

marantz
PROFESSIONAL

Model PMD580 User Guide

Network Solid State Recorder

IMPORTANT TO SAFETY

WARNING:

To reduce the risk of fire and electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus

CAUTION

1. Handle the power supply cord carefully

Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.

2. Do not open the rear cover

In order to prevent electric shock, do not open the top cover. If problems occur, contact your Marantz professional DEALER.

3. Do not place anything inside

Do not place metal objects or spill liquid inside the system. Electric shock or malfunction may result.

Please, record and retain the Model name and serial number of your set shown on the rating label.

Model No. PMD-580

Serial No. _____



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

LABELS (for U.S.A. model only)

CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR REFOR-MANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

FCC INFORMATION (For US customers)

1. PRODUCT

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

2. IMPORTANT NOTICE:

DO NOT MODIFY THIS PRODUCT

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by Marantz professional may void your authority, granted by the FCC, to use the product.

3. NOTE

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

This Class B apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.



14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional Safety Information!

15. ⚡ Marked terminals are HAZARDOUS LIVE and that the external wiring connected to those terminal requires installation by an instructed person or the use of ready-made leads or cords.
16. This product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

CAUTION:

To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.

The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

VORSICHT:

Um dieses Gerät vollständig von der Stromversorgung abzutrennen, trennen Sie bitte den Netzstecker von der Wandsteckdose ab.

Die Hauptstecker werden verwendet, um die Stromversorgung zum Gerät völlig zu unterbrechen; er muss für den Benutzer gut und einfach zu erreichen sein.

PRECAUTION:

Pour déconnecter complètement ce produit du courant secteur, débranchez la prise de la prise murale.

La prise secteur est utilisée pour couper complètement l'alimentation de l'appareil et l'utilisateur doit pouvoir y accéder facilement.

ATTENZIONE:

Per scollegare definitivamente questo prodotto dalla rete di alimentazione elettrica, togliere la spina dalla relativa presa.

La spina di rete viene utilizzata per interrompere completamente l'alimentazione all'unità e deve essere facilmente accessibile all'utente.

PRECAUCIÓN:

Para desconectar completamente este producto de la alimentación eléctrica, desconecte el enchufe del enchufe de la pared.

El enchufe de la alimentación se utiliza para interrumpir por completo el suministro de alimentación a la unidad y debe de encontrarse en un lugar al que el usuario tenga fácil acceso.

VOORZICHTIGHEID:

Om de voeding van dit product volledig te onderbreken moet de stekker uit het stopcontact worden getrokken.

De netstekker wordt gebruikt om de stroomtoevoer naar het toestel volledig te onderbreken en moet voor de gebruiker gemakkelijk bereikbaar zijn.

FÖRSIKTIGHETSMÅTT:

Koppla loss stickproppen från eluttaget för att helt skilja produkten från nätet.

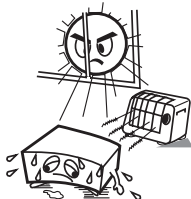
Stickproppen används för att helt bryta strömförsörjningen till apparaten, och den måste vara lättillgänglig för användaren.

PRECAUÇÃO:

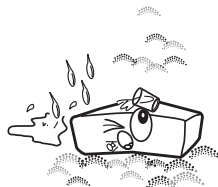
Para desligar completamente este produto da corrente, desligue a ficha da tomada de parede.

A ficha de corrente é utilizada para cortar completamente a alimentação elétrica à unidade e deve estar facilmente acessível para o utilizador.

NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA/ NOTA SOBRE A UTILIZAÇÃO



- Avoid high temperatures.
Allow for sufficient heat dispersion when installed on a rack.
- Vermeiden Sie hohe Temperaturen.
Beachten Sie, daß eine ausreichend Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.
- Eviter des températures élevées
Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Evitate di esporre l'unità a temperature alte.
Assicuratevi che ci sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio.
- Evite altas temperaturas
Permite la suficiente dispersión del calor cuando está instalado en la consola.
- Vermijd hoge temperaturen.
Zorg voor een degelijk hitteafvoer indien het apparaat op een rek wordt geplaatst.
- Undvik höga temperaturer.
Se till att det finns möjlighet till god värmeavledning vid monterning i ett rack.
- Evite temperaturas elevadas.
Se instalar numa prateleira, deixe espaço suficiente para a dispersão do calor.



- Keep the set free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- Protéger l'appareil contre l'humidité, l'eau et lapoussière.
- Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere.
- Mantenga el equipo libre de humedad, agua y polvo.
- Laat geen vochtigheid, water of stof in het apparaat binnendringen.
- Utsätt inte apparaten för fukt, vatten och damm.
- Mantenha o aparelho livre de humidade, água e pó.



- Do not let foreign objects in the set.
- Keine fremden Gegenstände in das Gerät kommen lassen.
- Ne pas laisser des objets étrangers dans l'appareil.
- E' importante che nessun oggetto è inserito all'interno dell'unità.
- No deje objetos extraños dentro del equipo.
- Laat geen vreemde voorwerpen in dit apparaat vallen.
- Se till att främmande föremål inte tränger in i apparaten.
- Não introduza objectos estranhos no aparelho.



- Unplug the power cord when not using the set for long periods of time.
- Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Disinnestate il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo.
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo.
- Neem altijd het netsnoer uit het stopcontact wanneer het apparaat gedurende een lange periode niet wordt gebruikt.
- Koppla ur nätkabeln om apparaten inte kommer att användas i lång tid.
- Desligue o cabo de alimentação quando não utilizar o aparelho durante longos períodos de tempo.



- Do not let insecticides, benzene, and thinner come in contact with the set.
- Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- Assicuratevi che l'unità non venga in contatto con insetticidi, benzolo o solventi.
- No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.
- Laat geen insectenverdelgende middelen, benzine of verfdunnner met dit apparaat in kontakt komen.
- Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hölje.
- Não deixe que insecticidas, benzeno e diluente entrem em contacto com o aparelho.



- Handle the power cord carefully.
Hold the plug when unplugging the cord.
- Gehen Sie vorsichtig mit dem Netzkabel um.
Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.
- Manipuler le cordon d'alimentation avec précaution.
Tenir la prise lors du débranchement du cordon.
- Maneggiare il filo di alimentazione con cura.
Agitare per la spina quando scollegate il cavo dalla presa.
- Maneje el cordón de energía con cuidado.
Sostenga el enchufe cuando desconecte el cordón de energía.
- Hanteer het netsnoer voorzichtig.
Houd het snoer bij de stecker vast wanneer deze moet worden aan- of losgekoppeld.
- Hantera nätkabeln varsamt.
Håll i kabeln när den kopplas från el-uttaget.
- Manuseie o cabo de alimentação cuidadosamente.
Segure na ficha ao desligar o cabo.



* (For sets with ventilation holes)

- Do not obstruct the ventilation holes.
- Die Belüftungsöffnungen dürfen nicht verdeckt werden.
- Ne pas obstruer les trous d'aération.
- Non coprite i fori di ventilazione.
- No obstruya los orificios de ventilación.
- De ventilatieopeningen mogen niet worden geblokkeerd.
- Täpp inte till ventilationsöppningarna.
- Não tape as ranhuras de ventilação.



- Never disassemble or modify the set in any way.
- Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.
- Non smontate mai, nè modificate l'unità in nessun modo.
- Nunca desarme o modifique el equipo de ninguna manera.
- Nooit dit apparaat demonteren of op andere wijze modificeren.
- Ta inte isär apparaten och försök inte bygga om den.
- Nunca desmonte ou modifique o aparelho de nenhuma forma.

CAUTION

- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Attention should be drawn to the environmental aspects of battery disposal.
- The apparatus shall not be exposed to dripping or splashing for use.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.

VORSICHT

- La ventilation ne doit pas être entravée en recouvrant les ouvertures de ventilation avec des objets tels des journaux, vêtements, rideaux, etc.
- Ne pas placer de bougies ou autre objet de ce type sur l'appareil.
- Un soin particulier doit être apporté à l'aspect environnemental de la mise au rebut.
- L'appareil ne doit pas être exposé à des suintements ou éclaboussures pendant l'utilisation.
- Ne pas placer d'objets remplis de liquide, tels des vases, sur l'appareil.

PRECAUTION

- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Attention should be drawn to the environmental aspects of battery disposal.
- The apparatus shall not be exposed to dripping or splashing for use.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.

ATTENZIONE

- Evitare di ostacolare la ventilazione coprendo le aperture con oggetti quali giornali, tovaglie, tende e così via.
- Evitare di posizionare sull'apparecchio oggetti che producono fiamme libere, ad esempio candele accese.
- Prestare attenzione agli aspetti di conservazione dell'ambiente per lo smaltimento delle pile.
- Non esporre l'apparecchio a spruzzi o al contatto con l'acqua.
- Non posizionare sull'apparecchio oggetti riempiti con liquidi, ad esempio vasi.

PRECAUCIÓN

- No se debe obstruir la ventilación cubriendo las aberturas de ventilación con objetos como periódicos, manteles o cortinas.
- No se deben colocar objetos con llama descubierta (como, por ejemplo, una vela) encima del aparato.
- A la hora de desechar las baterías se deben tener en cuenta las normativas medioambientales.
- El aparato no debe exponerse a goteos ni salpicaduras.
- No coloque encima del aparato recipientes que contengan líquidos, como, por ejemplo, floreros.

VOORZICHTIGHEID

- De ventilatie mag niet aangetast worden door het bedekken van de ventilatieopeningen met items zoals kranten, tafelkleden, gordijnen, etc.
- Geen open vuur zoals brandende kaarsen mogen op het apparaat worden geplaatst.
- U dient te letten op de omgevingsaspecten bij het weggooien van batterijen.
- Het apparaat mag niet worden blootgesteld aan druppelen of opspatten voor gebruik.
- Er mogen geen objecten gevuld met water, zoals vazen op het apparaat geplaatst worden.

FÖRSIKTIHETSMÅTT

- Ventilationen får inte hindras genom att ventilationsöppningarna täcks med t.ex. tidningar, bordsdukar, gardiner eller andra objekt.
- Inga öppna lågor, som exempelvis tända ljus, får placeras på apparaten.
- Var uppmärksam på miljöaspekterna när du avyttrar batterier.
- Apparaten får inte utsättas för droppande eller stänkande vätskor.
- Inga vätskefyllda föremål, t.ex. vaser, får placeras på apparaten.

PRECAUÇÃO

- A ventilação não deve ser obstruída tapando as ranhuras de ventilação com objectos, tais como jornais, toalhas de mesa, cortinas, etc.
- Não devem ser colocados no aparelho objectos com chamas abertas, tais como velas acesas.
- Deve ter em atenção os aspectos ambientais relacionados com a eliminação da bateria.
- Não deve expor o aparelho a salpicos ou gotas de água na utilização.
- Não deve colocar no aparelho objectos que contenham líquidos, tais como vasos.

•DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:

EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3.

EN55022, EN55024 for USB and Ethernet terminal as multifunction terminal.

Following the provisions of 73/23/EEC, 2004/108/EC and 93/68/EEC Directive.

•ÜBEREINSTIMMUNGSERKLÄRUNG

Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht:

EN60065, EN55013, EN55020, EN61000-3-2 und EN61000-3-3.

EN55022, EN55024 für USB und Ethernet-Anschluss als Multifunktions-Anschluss.

Entspricht den Verordnungen der Direktive 73/23/EEC, 2004/108/EC und 93/68/EEC.

•DECLARATION DE CONFORMITE

Nous déclarons sous notre seule responsabilité que l' appareil, auquel se réfère cette déclaration, est conforme aux standards suivants:

EN60065, EN55013, EN55020, EN61000-3-2 et EN61000-3-3.

EN55022, EN55024 pour les prises USB et Ethernet en tant que prises multifonction.

D'après les dispositions de la Directive 73/23/EEC, 2004/108/EC et 93/68/EEC.

•DICHIAZIONE DI CONFORMITÀ

Dichiariamo con piena responsabilità che questo prodotto, al quale la nostra dichiarazione si riferisce, è conforme alle seguenti normative:

EN60065, EN55013, EN55020, EN61000-3-2 e EN61000-3-3.

EN55022, EN55024 per USB e terminale Ethernet come terminale multifunzione.

In conformità con le condizioni delle direttive 73/23/EEC, 2004/108/EC e 93/68/EEC.

QUESTO PRODOTTO E' CONFORME
AL D.M. 28/08/95 N. 548

•DECLARACIÓN DE CONFORMIDAD

Declaramos bajo nuestra exclusiva responsabilidad que este producto al que hace referencia esta declaración, está conforme con los siguientes estándares:

EN60065, EN55013, EN55020, EN61000-3-2 y EN61000-3-3.

EN55022, EN55024 para USB y terminal Ethernet como terminal multifunción.

Siguiendo las provisiones de las Directivas 73/23/EEC, 2004/108/EC y 93/68/EEC.

•EENVORMIGHEIDSVERKLARING

Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit produkt, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen:

EN60065, EN55013, EN55020, EN61000-3-2 en EN61000-3-3.

EN55022, EN55024 voor USB en Ethernet-aansluiting als multifunctionele aansluiting.

Volgens de bepalingen van de Richtlijnen 73/23/EEC, 2004/108/EC en 93/68/EEC.

•ÖVERENSSTÄMMELSEINTYG

Härmed intygas helt på eget ansvar att denna produkt, vilken detta intyg avser, uppfyller följande standarder:

EN60065, EN55013, EN55020, EN61000-3-2 och EN61000-3-3.

EN55022, EN55024 för USB- och Ethernetterminal som flerfunktionsterminal.

Enligt stadgarna i direktiv 73/23/EEC, 2004/108/EC och 93/68/EEC.

•DECLARAÇÃO DE CONFORMIDADE

Declaramos sob nossa exclusiva responsabilidade que este produto, ao qual diz respeito esta declaração, se encontra em conformidade com as seguintes normas: EN60065, EN55013, EN55020, EN61000-3-2 e EN61000-3-3.

EN55022, EN55024 para terminal USB e Ethernet como terminal multifuncional.

De acordo com as provisões das Directivas 73/23/CEE, 2004/108/CE e 93/68/CEE.

DMi D&M Installation Europe
Kingsbridge House
Padbury Oaks
Longford
Middlesex
UB7 0EH
UK

A NOTE ABOUT RECYCLING:

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.

When discarding the unit, comply with local rules or regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning chemical waste.

This product and the accessories packed together constitute the applicable product according to the WEEE directive except batteries.

English



UNE REMARQUE CONCERNANT LE RECYCLAGE:

Les matériaux d'emballage de ce produit sont recyclables et peuvent être réutilisés. Veuillez disposer de tout matériau conformément aux règlements de recyclage locaux.

Lorsque vous mettez cet appareil au rebut, respectez les lois ou réglementations locales.

Les piles ne doivent jamais être jetées ou incinérées, mais mises au rebut conformément aux règlements locaux concernant les déchets chimiques.

Ce produit et les accessoires emballés ensemble sont des produits conformes à la directive DEEE sauf pour les piles.

Français



ACERCA DEL RECICLAJE:

Los materiales de embalaje de este producto son reciclables y se pueden volver a utilizar. Disponga de estos materiales siguiendo los reglamentos de reciclaje de su localidad.

Cuando se deshaga de la unidad, cumpla con las reglas o reglamentos locales.

Las pilas nunca deberán tirarse ni incinerarse. Deberá disponer de ellas siguiendo los reglamentos de su localidad relacionados con los desperdicios químicos.

Este producto junto con los accesorios empaquetados es el producto aplicable a la directiva RAEE excepto pilas.

Español



HINWEIS ZUM RECYCLING:

Das Verpackungsmaterial dieses Produktes ist für zum Recyceln geeignet und kann wieder verwendet werden. Bitte entsorgen Sie alle Materialien entsprechend der örtlichen Recycling-Vorschriften.

Beachten Sie bei der Entsorgung des Gerätes die örtlichen Vorschriften und Bestimmungen.

Die Batterien dürfen nicht in den Hausmüll geworfen oder verbrannt werden; bitte geben Sie die Batterie gemäß örtlichen Bestimmungen an den Sammelstellen oder Sondermüllplätzen ab.

Dieses Produkt zusammen mit den Zubehörteilen ist das geltende Produkt der WEEE-Direktive, davon ausgenommen sind die Batterien.

Deutsch



NOTA RELATIVA AL RICICLAGGIO:

I materiali di imballaggio di questo prodotto sono riutilizzabili e riciclabili. Smaltire i materiali conformemente alle normative locali sul riciclaggio.

Per smaltire l'unità, osservare la normativa in vigore nel luogo di utilizzo.

Non gettare le batterie, né incenerirle, ma smaltirle conformemente alla normativa locale sui rifiuti chimici.

Questo prodotto e gli accessori inclusi nell'imballaggio sono applicabili alla direttiva RAEE, ad eccezione delle batterie.

Italiano



EN KOMMENTAR OM ÅTERVINNING:

Produktens emballage är återvinningsbart och kan återanvändas. Kassera det enligt lokala återvinningsbestämmelser.

När du kasserar enheten ska du göra det i överensstämmelse med lokala regler och bestämmelser.

Batterier får absolut inte kastas i soporna eller brännas. Kassera dem enligt lokala bestämmelser för kemiskt avfall.

Denna apparat och de tillbehör som levereras med den är de som uppfyller gällande WEEE-direktiv, med undantag av batterierna.

Svenska



EEN AANTEKENING WAT BETREFT HET RECYCLEREN:

Het inpakmateriaal van dit product is recycleerbaar en kan opnieuw gebruikt worden. Er wordt verzocht om zich van elk afvalmateriaal te ontdoen volgens de plaatselijke voorschriften.

Volg voor het wegdoen van de peler de voorschriften voor de verwijdering van wit- en bruingoed op.

Batterijen mogen nooit worden weggegooid of verbrand, maar moeten volgens de plaatselijke voorschriften betreffende chemisch afval worden verwijderd.

Op dit product en de meegeleverde accessoires, m.u.v. de batterijen is de richtlijn voor afgedankte elektrische en elektronische apparaten (WEEE) van toepassing.

Nederlands



UMA NOTA SOBRE A RECICLAGEM:

Os materiais de embalagem deste produto são recicláveis e podem ser reutilizados. Elimine quaisquer materiais de acordo com as normas de reciclagem locais.

Quando eliminar a unidade, obedeça às regras ou normas locais.

As pilhas nunca devem ser deixadas fora ou incineradas, mas sim eliminadas de acordo com as normas locais relativas aos resíduos químicos.

Este produto e os respectivos acessórios embalados em conjunto constituem o produto aplicável de acordo com a diretiva WEEE, excepto as pilhas.

Português

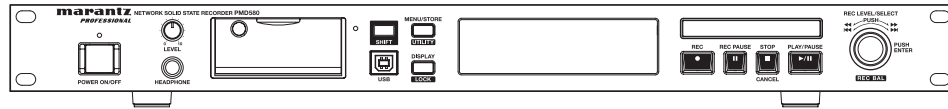


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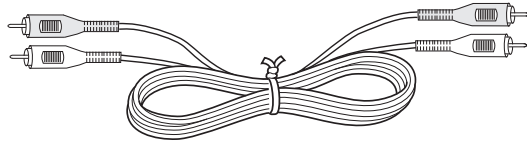
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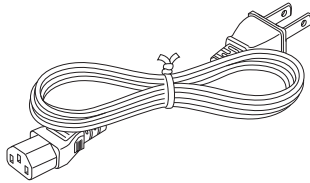
- PMD580



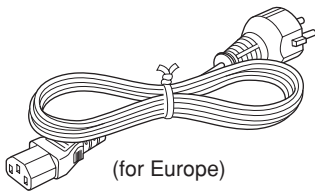
- Audio cable (2)



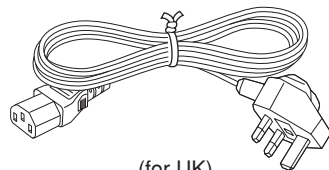
- Power cord (for US)



- Power cord (2 pieces for Europe)

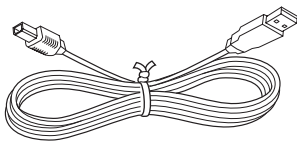


(for Europe)



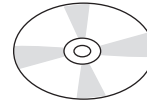
(for UK)

- USB cable

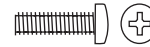


- This User Guide

- CD-ROM
PDF format manuals



- CF door screw (2)



- Retainer (1)



- Customer Registration Document (1) (only for US)

General Information

■ Introduction

Thank you for selecting the Marantz Professional PMD580 Network Recorder. The PMD580 is an audio recorder that records in digital audio formats onto a Compact Flash™ memory card (CF card) or Microdrive™.

The PMD580 is an audio recorder. It accepts audio inputs from your audio equipment, standard line level analog audio inputs or a digital input, and records in digital audio formats onto a removable flash memory card.

Removable flash memory cards, also used in digital cameras, are widely available at appliance stores and computer shop. Removable flash memory cards come in several configurations (variations in the thickness and shape of the card and connections). The PMD580 accepts “Compact Flash™” memory cards or “Microdrive™” cards.

For convenience, this manual will refer to the memory card as a “CF card”.

Note:

To record from a microphone, you have to plug the microphone into a pre-amp to change the microphone level input(s) to a line level input to the PMD580.

■ Computer compatible

The advantages of CF card digital recording are:

- The recording is directly digital, CF cards are available in various sizes (see chart on page 70).
- Compressed recording can record long audio sessions (at quality levels suitable for recording a meeting).
- Audio recorded in the popular MP3 compression format is directly available for intranet or internet file sharing.
- High quality recording (CD level or greater) can be selected.
- Recordings can be transferred to your desktop or laptop computer by removing the CF card from the PMD580 or by connecting the PMD580 to your computer via the USB port or Ethernet.

On your computer you can then:

- log and archive audio files
- play audio files
- save audio files to:
 - your hard drive
 - a floppy
 - a CD-R disc
- post streaming audio files on your web site
- use software and your computer to transcribe digital recordings
- use software and your computer to manipulate high quality audio files

■ Setup

Audio inputs may be from:

- line level sources connected to the BALANCED IN (XLR) jacks.
- line level audio sources connected to the ANALOG IN (RCA) jacks.
- digital audio sources in SPDIF or AES/EBU format connected to the DIGITAL IN (RCA) jack.
- digital audio sources in SPDIF or AES/EBU format connected to the BALANCED IN (XLR) jack.

Audio outputs may be to:

- headphones connected to the HEADPHONE (Phone) jack.
- analog audio devices such as an amplifier or other device connected to the ANALOG OUT (RCA) jacks.
- analog audio devices such as an amplifier or other device connected to the BALANCED OUT (XLR) jacks.
- digital audio devices using SPDIF or AES/EBU format connected to the DIGITAL OUT (RCA) jack.
- digital audio devices using SPDIF or AES/EBU format connected to the BALANCED OUT (XLR) jack.

■ External control

- Web Remote enables external control of the PMD580 from your computer in the network.
- RS-232C control codes enable full external control of the PMD580.
- A wired remote connection (REMOTE) accepts a mono Phone jack (remote control not supplied). Depending on the menu selection, a simple contact closure connected here permits:
 - Start Pause : pause and resume
 - StartPauseTR : restart after pause while recording initiates a new track
 - Manual Track : initiate a new track while recording (if Seamless Play is Off during playback initiating a track adds a small audio gap)

■ Security - CF cards

For security, the CF card compartment door can be secured with a screw. Requiring a tool to open the CF card compartment reduces casual removal of the CF card.

■ Scheduled recording

The PMD580 can be set to start recording when the preset start time comes and end the recording when the preset end time comes.

■ Playback aids

A common problem with lengthy recordings is difficulty in locating one or more specific passages for playback. The PMD580 has several ways to mark or tag specific record starting and/or ending points.

- Date and time
A built-in date and time generator marks the beginning of each track.
- Tracks
 - A new track (file) is automatically started each time you begin a recording.
 - It is not possible to record over a previously recorded track unless it is first erased.
 - An Auto Track feature can add tracks every minute or other selectable recording interval. (Minute track: Setting the interval to one minute provides a new track every minute of a recording, permitting navigation of a large audio recording by time.)
 - A new track can be started during recording by pressing the **REC** button. (Manual Track, Manual Track incrementing, On.)

■ Web remote control

The PMD580 can be connected to your computer in the Local Area Network, and can be controlled and set from the window in your internet web browser.

■ Features

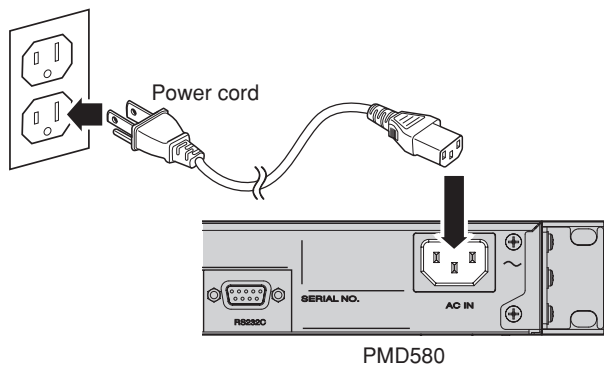
- Stereo (2 channels) and mono (1 channel) audio recording and playback.
- Records onto various types of CF cards. (Please refer to the Marantz Professional web site at www.d-mpro.com for what kind of media is recommended.)
- Three different recording formats.
 - Compressed recording using MPEG1 Layer III (MP3) mono and stereo.
 - Uncompressed recording using 16-bit linear Pulse Code Modulation (PCM).
 - Uncompressed recording using 24-bit linear Pulse Code Modulation (PCM).
- MS-DOS™, Windows and Macintosh compatible audio files.
- Selectable file types:
 - Wave
 - MP3
- Selectable recording bit rate
 - MP3 compressed at 32 kbps (recommended for dictation)
32, 48 or 64 kbps (recommended for voice recording)
128 or 192 kbps (recommended for recording music)
 - PCM uncompressed at 768 kbps (mono) with 16bit or 24 bit resolution. (very high quality mono audio recording)
 - PCM uncompressed at 1536 kbps (stereo) with 16 bit or 24 bit resolution. (recommended for very high quality audio recording)
- Record start and end times can be scheduled.
- Pre-Recording memory buffer that records 2 seconds of audio before recording is started.
- Built-in Time and Date generator marks the beginning of each track.
- Three remote options, including Remote jack, RS-232C and Local Area Network, permit wired remote control.
- Network features
 - Archiving can be set to make a copy of the recorded files in a network drive.
 - Web Remote settings from the network computer.

Quick Start Guide

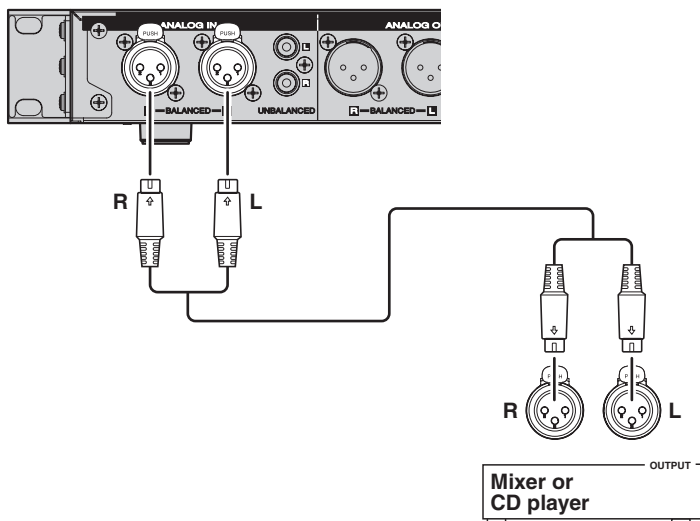
Follow the instructions on this page to Quick Start your new PMD580 Network CF card Recorder and begin recording.

■ Quick Start Basic Instructions

- a. Plug the power cord in.



- b. Connect balanced audio cables.



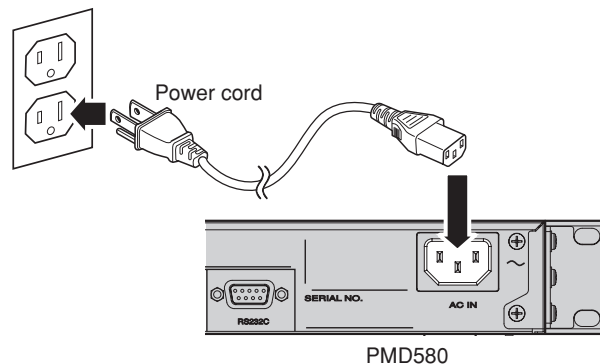
- c. Press the **POWER** switch to turn on.
- d. Insert a CF card.
- e. Press the **REC** button to start recording.
- f. Press the **REC PAUSE** button when recording is not necessary.
- g. Press the **REC** button to resume recording.
- h. Press the **STOP/CANCEL** button to stop recording.

■ Quick Start Detailed Instruction

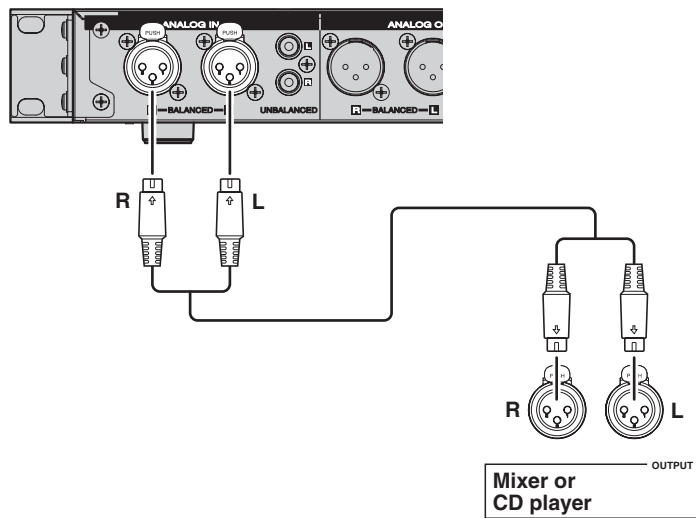
The PMD580 comes factory preset for recording balanced analog inputs. These are settings for recording a line level stereo balanced inputs. Quick Start ignores your changing any of these presets.

1. Unpack the PMD580.

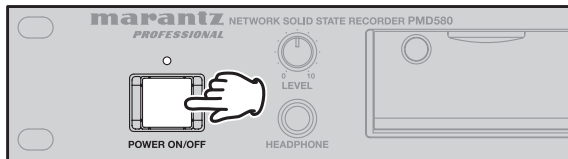
- a. Plug the power cord into household power.



- b. Connect a couple of balanced audio cables into the output of a CD player or other audio source.



2. Press the POWER switch.



On first power up, wait for the PMD580 to boot.



The display will change to Initialize.



The display will change to Loading.



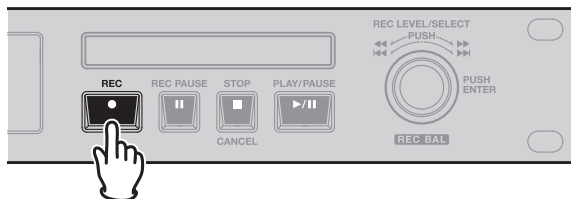
The display change to No Card.



3. Insert a CF card. See page “CF cards”.

4. Press the REC button.

Recording begins.

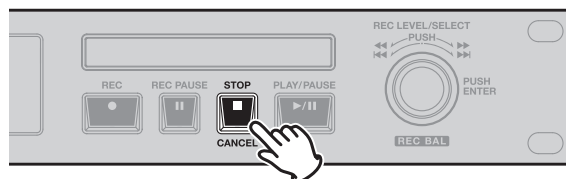


The Rec indicator will be lit and steady while recording.

The display will show the recording time of the current track (c).



5. Press the STOP/CANCEL button to stop recording and end the track (close the audio file).



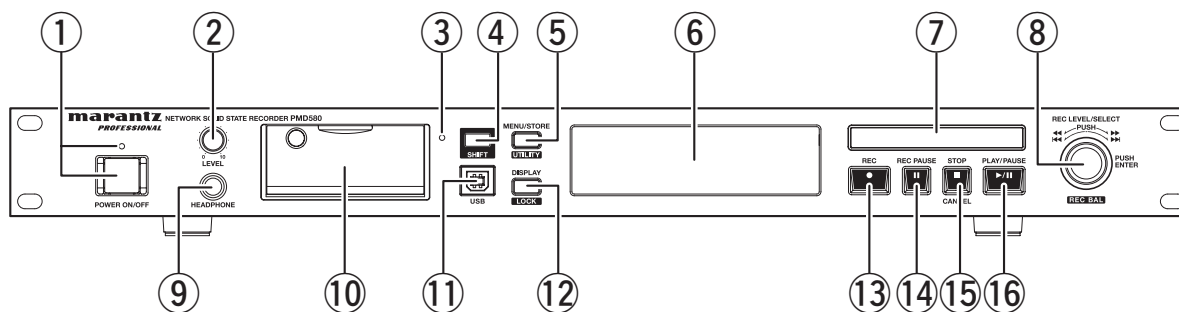
The display will show the remaining recording time at current settings for the CF card.



- To transfer audio files to your computer, connect via USB, see page “USB”.
- To archive audio files control the PMD580 via Ethernet, connect LAN port. See page “Network and Operations”.
- For the Time/Date setting, see pages 31, 32.
- For other recording condition, see page 20.

Part Names and Functions

■ Front Panel



① POWER ON/OFF switch and indicator (Blue)

- Press this to turn the Power ON or OFF.
- The indicator lights when the power is turned on.

② LEVEL Control

Use this to adjust the level of the headphones.

③ Card access light (Green)

This light flashes while the CF card is being read from or written to. It is lit and steady while the CF card is ready.

④ SHIFT button

Keep pressing this to set the unit while pressing the **SHIFT** button.

⑤ MENU/STORE/UTILITY button

- In stop, press this to set the unit in MENU mode.
- In MENU mode, press this to store the change in the preset menu.
- In stop, press this while pressing the **SHIFT** button to set the unit in Utility mode.

⑥ LCD unit

Displays time and other information.
See page 9.

⑦ LEVEL METER unit

Displays the strength of the recording or playback signal.

⑧ Jog wheel

- During stop or playback, turn this to select the file.
- During recording, turn this to control the recording level.
- During shift record, turn this to control the Left/Right recording level balance.
- During Menu or Utility, turn this to select the menu items.
- During recording press this to reset the Margin level display.
- During playback keep pressing this to continue audible search.
- During Menu or Utility press this to enter.

⑨ PHONES Jack

For private listening, you can connect the headphones to this jack.

⑩ Card compartment

Pull the Card door open to access the CF card.

⑪ USB port

USB mode is started by connecting a USB cable while stopped.

USB mode is started when the unit is turned on or stopped while a USB cable is connected.

The CF card in the PMD580 appears as an external storage device on a connected computer.

No key operation valid in USB mode

⑫ DISPLAY/LOCK button

- Press this to change the time display mode.
- Press this while pressing the **SHIFT** button to lock or unlock the buttons on the front panel.

⑬ REC button (Red)

Press this to start recording.

⑭ REC PAUSE button (Red)

Press this to set the unit in record pause mode.

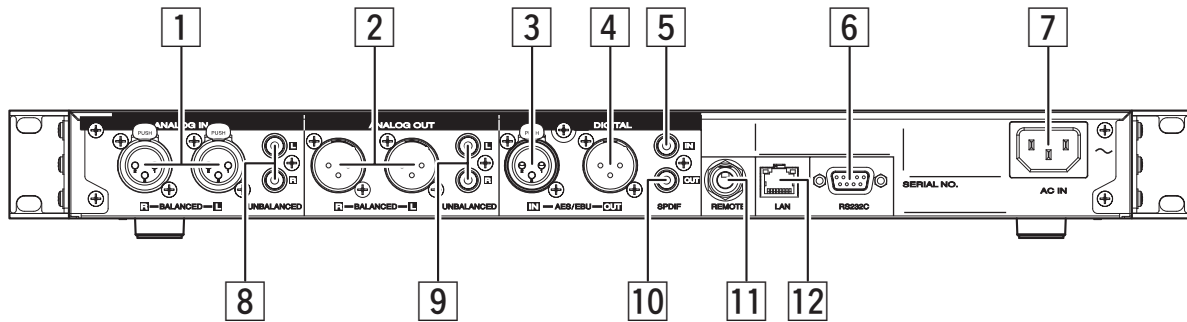
⑮ STOP/CANCEL button

Press this to stop playback or recording. (Also to exit from the Menu or Utility mode.)

⑯ PLAY/PAUSE button (Green)

Press this to start playback (lit and steady) or pause playback (flashing).

■ Rear Panel



1 ANALOG (Balanced) INPUT

These are balanced inputs using XLR type connections.
 Pin layout : 1. GND / 2. Hot / 3. Cold
 Applicable connector : XLR-3-32 or equivalent.
 Input attenuator (+4 dB /-20 dB) (See Preset Menu)

2 ANALOG (Balanced) OUTPUT

These are active balanced outputs using XLR type connections.
 Pin layout : 1. GND / 2. Hot / 3. Cold
 Applicable connector
 XLR-3-31 or equivalent.

3 DIGITAL (XLR) INPUT

- This is a balanced input using an XLR type jack.
- Signal format : SPDIF (IEC-958 Type II) or AES/EBU
- Sampling frequency : 44.1 /48

4 DIGITAL (XLR) OUTPUT

- This is a balanced output using an XLR type jack.
 1.GND / 2.Hot / 3.Cold.
- Signal format : SPDIF(IEC-958 Type II) or AES/EBU
 (select in menu)
- Sampling frequency : 44.1 /48 /Auto (select in menu)
- Applicable connector : XLR-3-31 or equivalent

5 DIGITAL (RCA) INPUT

- This is a coaxial input using an RCA type jack.
- Signal format : SPDIF(IEC-958 Type II) or AES/EBU
- Sampling frequency : 44.1 /48

6 RS232C connector

Using serial communication, a host device can control the PMD580.
 See page 62.

7 AC INLET

Connect the included power cord here.

8 ANALOG (Unbalanced) INPUT

These are unbalanced inputs using RCA type jacks.

9 ANALOG (Unbalanced) OUTPUT

These are unbalanced outputs using RCA type jacks.

10 DIGITAL (RCA) OUTPUT

- This is a coaxial output using an RCA type jack.
- Signal format : SPDIF(IEC-958 Type II) or AES/EBU
 (select in menu)
- Sampling frequency : 44.1 /48 /Auto (select in menu)

11 REMOTE (REMOTE input jack)

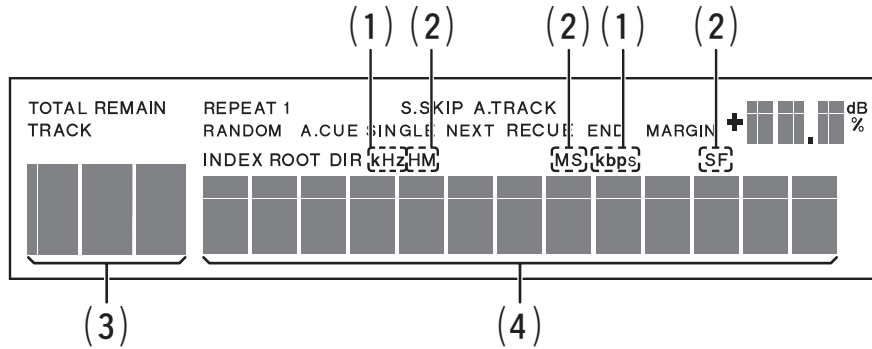
Function is selectable by MENU.
 (StartPause (for Rec, Play)/StartPauseTR (for Rec, Play)
 /Manual Track (for Rec))
 See page 31.

12 LAN connector

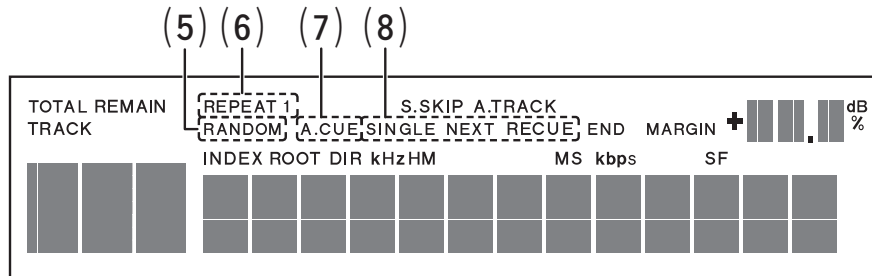
Using local area network, a host device can control the PMD580 and archive the recorded files in a shared folder.
 See page 52.

■ Display Unit

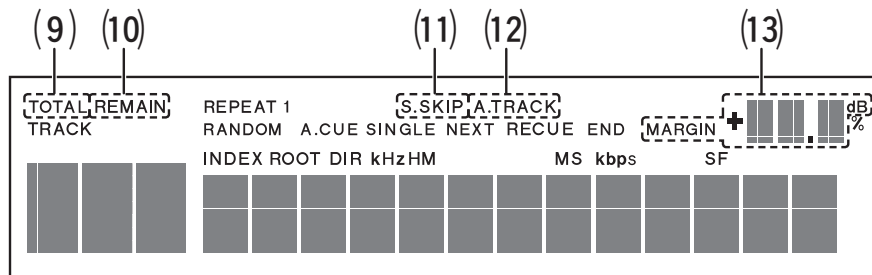
[Basic Operation]



[Playback features]



[Recording]



[Basic Operation]

- (1) **kHz/kbps**
Lights when the sampling frequency or bit rate of the file playing is available and displayed.
- (2) **H/M/S**
Lights when the time is displayed in the letter display.
- (3) **3-digit segment**
Track number /Total number of Tracks
- (4) **13-digit segment**
Displays file information, time, and the other information

[Playback features]

- (5) **RANDOM**
Lights in random playback mode.
- (6) **REPEAT/1**
Lights in repeat playback mode.
- (7) **A-CUE**
Lights when auto cue mode is on.
- (8) **SINGLE/NEXT/RECUE**
Lights when single playback mode is on.

[Recording]

- (9) **TOTAL**
Lights while total track number is displayed.
- (10) **REMAIN**
Lights while remain time is displayed.
- (11) **S.SKIP**
Lights while silent skip mode is on.
- (12) **A.TRACK**
Lights when auto track mode is on.
- (13) **MARGIN ##dB**
Displays the margin level.

[Display Control]

1) During Stop

- Total Track, Remaining recordable time
↓
- Total Track, Rec format
↓
- Current Date
↓
- Current Time
↓
- Total Track, Channel : "Stereo" or "Mono"

2) During Record or Record-pause

- Track, Recording elapsed time (HHH:MM:SS)
↓
- Track, Remaining recordable time (HHH:MM:SS)
↓
- Track, :File name (scrolls to the extension.)
↓
- Track, Rec format
↓
- Track, Recorded date
↓
- Track, Recorded time
↓
- Track, Channel : "Stereo", "L-Mono" or "LR-Mono"

Key LED

Status	REC Key LED	REC PAUSE Key LED	PLAY Key LED
PLAY	OFF	OFF	ON
PLAY PAUSE	OFF	OFF	Flash
PLAY STOP	OFF	OFF	OFF

3) During Play or Play-pause

- Track, Elapsed time
↓
- Track, Remaining playback time
↓
- Track, File name
↓
- Track, File information
↓
- Recorded date
↓
- Recorded time
↓
- Track, Channel : "Stereo" or "Mono"

PLAY Mode Icon

PLAY MODE	ICON	
NORMAL		
REPEAT ALL	REPEAT	
REPEAT ONE	REPEAT 1	
SINGLE	Stop	SINGLE END
	Next	SINGLE NEXT
	Recue	SINGLE RECUE
RANDOM	RANDOM	

KEY LED

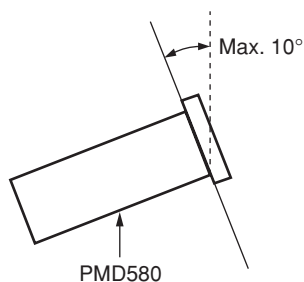
Status	REC Key LED	REC PAUSE Key LED	PLAY Key LED
REC STANDBY	OFF	Flash	OFF
REC	ON	OFF	ON
REC PAUSE	OFF	Flash	OFF
REC STOP	OFF	OFF	OFF

Preparation for Use

■ Installation

How to mount in a rack

- The PMD580 is of 1U size, allowing it to be mounted in EIA standard 19-inch racks. When mounting the PMD580 in a rack, use guide rails or shelf boards, etc., on the rack side to prevent weight from being applied to the front of the PMD580. The fittings alone cannot support the weight of the PMD580.
- Do not cover the top of the unit. Remember, heat is dispersed from the PMD580's upper surface.
- Set up the installation environment carefully. For example, take care to protect the PMD580 from heat from other devices. If necessary, use forced ventilation. The surrounding conditions must meet the specifications described in "SPECIFICATIONS" on Page 72.
- The PMD580 will work normally when the player unit is mounted with the front panel within 10 degrees of the vertical plane. If the unit is tilted excessively, discs may not load or unload properly.



- If the PMD580 is placed near an amplifier, tuner or other components, noise (induced hum) or beat interference may result (especially during AM or FM reception). If this occurs, separate the PMD580 from other components or reorient its position.

■ Connections

Follow the instructions on this page to install your new PMD580 CF Recorder and begin recording. The PMD580 comes factory preset for recording in stereo with MP3 compression, recommended quality for music recording.

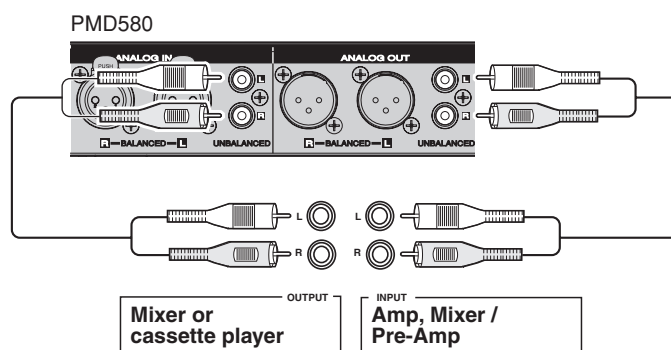
See page 52 for Network connections.

1. Connect to one or more audio inputs.

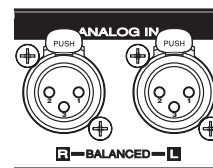
Note:

The PMD580 does not connect directly to microphone level inputs.

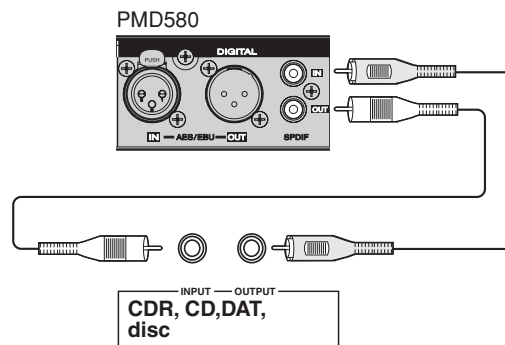
- Connect line level analog inputs and/or outputs to the ANALOG IN/OUT jacks.



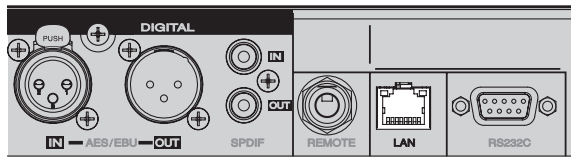
- Connect line level XLR equipment for recording. (For mono recording use either jack.)



- Connect DIGITAL input and/or output to SPDIF or AES/EBU digital equipment for playing or recording.



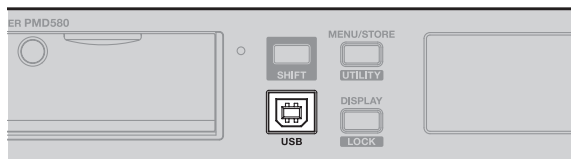
2. Connect to your computer via Local Area Network.



Control and setup of the PMD580 is available via network web remote control.

See page "Network and Operations".

3. Connect to your computer (PC or Mac) via the USB port.



This connection makes it easy to copy audio files to your computer's hard drive from the PMD580 CF card.

The USB connection can only be made active when the PMD580 is off (neither recording nor during playback).

The CF card in the PMD580 appears as a removable drive on your computer.

See page "USB".

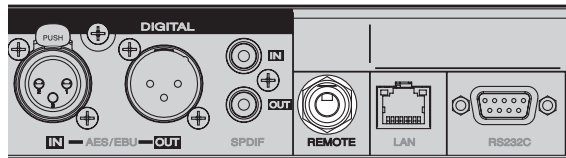
4. Connect external (remote) control (optional).

- RS-232C host equipment.

Full control and setup of the PMD580 is available via RS-232C external control.

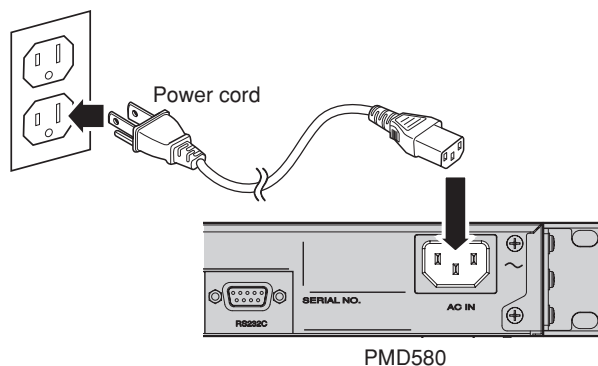
See page "RS232C" for RS-232C control codes.

- Connect a wired remote switch with mono phone jack to REMOTE.



The connection offers four remote options outlined on page "REMOTE".

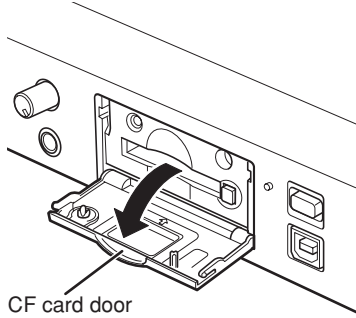
5. Use the supplied power cord to plug into power.



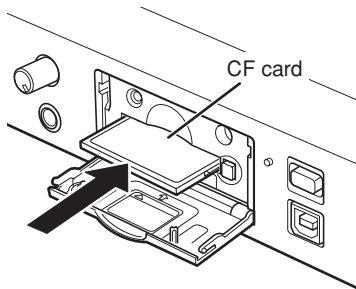
CF cards

To insert a CF card:

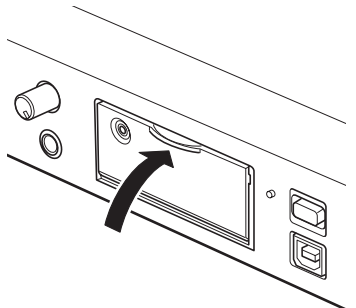
1. Pull the CF card door to open.



2. Fully insert the CF card.



3. Close the CF card door.

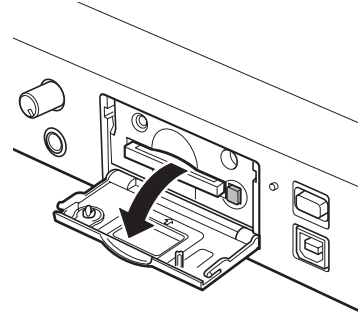


Note:

If the CF card door won't latch, check that the Card eject button is in the click in position.

To eject a CF card:

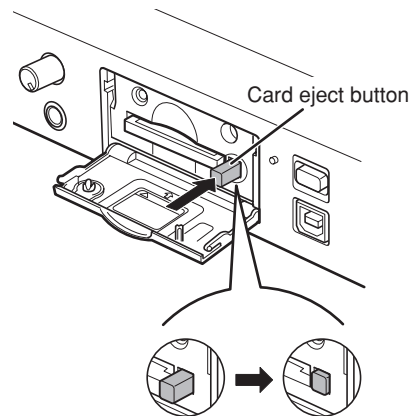
1. Open the CF card door.



Note:

If recording is in progress, opening the CF card door automatically stops recording and writes critical track information to properly close the file.

2. Press the Card eject button so it is in click out position.



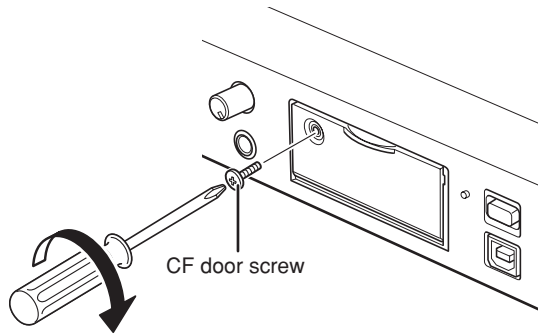
3. To eject the card, press the Card eject button from the click out position to the click in position.

CF card security

(3 mm × 10 mm long)

The supplied CF card compartment security screw requires a small Phillips screwdriver to open the CF card compartment door. That reduces the possibility of the CF card being misplaced or stolen.

1. Remove the plastic pin and then the retainer.
2. Add the screw. Tighten the screw with a small Phillips screwdriver enough so that the screw cannot be removed with a fingernail.



CF card Format

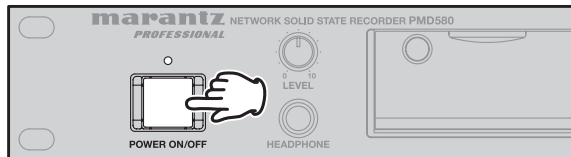
Formatting a CF card erases all audio files on the CF card and prepares it for use in the PMD580.

Setup the "Format" in the Utility menu.

Recording

■ Recording Procedure

1. Press the **POWER** switch to turn on the power.



- “Booting” appears in the display.
- “Initialize” appears after “Booting”.
- Remain time appears in the display.



2. Press the **REC-PAUSE** button to set the unit in record-standby mode.

- “MARGIN XX dB” will be shown in the display. The PMD580 holds this display at the highest level achieved.
- The record level control is available.

3. Turn the **Jog wheel** to adjust the record level. (Only if analog is selected as inputs)

4. Press the **Jog wheel**.

- Margin level will be reset.

5. Press the **REC** button.



- The **REC** button is lit and steady during recording.

6. Press the **REC PAUSE** button to set the unit in record-pause mode.

- The **REC PAUSE** button is flashing and the record level control is available.
- Margin level display will be reset automatically within 3 seconds in record pause mode.

7. Press the **STOP/CANCEL** button during record or record-pause mode.

- The PMD580 stops recording and closes the recording file(track).
- The PMD580 waits at the beginning of the recorded track.

8. Press the **STOP/CANCEL** button again to go back to the stop mode.

■ How to adjust Record Level

Only in record or record pause mode, turn the **Jog wheel** to change the record level setting for analog input sources.



- Clockwise increases the level setting, counterclockwise decreases the level setting.
- The last setting value is memorized on non-volatile memory.
- A "MUTE" selection is also provided.
- The record level setting adjusts in 1 dB steps from 0 to -59 dB

■ How to adjust Record Balance

Turn the **Jog wheel** while pressing the **SHIFT** button to change the Left/Right recording level balance.

- When the cursor is to the right of the center, turning the **Jog wheel** clockwise decreases the recording level of the Left channel by 1 dB, and turning it counterclockwise increases the recording level by 1 dB.
- When the cursor is to the left of the center, turning the **Jog wheel** clockwise increases the recording level of the Right channel by 1 dB, and turning it counterclockwise decreases the recording level by 1 dB.

■ Add a track manually

During recording press the **REC** button.

- A new track is started.
- This function works when the Manual Track in the Menu mode is turned on.

■ Add a track automatically

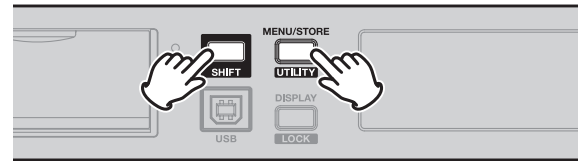
With Auto Track on in the Menu, a new track begins automatically at specified intervals of recording time.

- The interval time can be set in the menu.
- Especially the time search will be possible to do easily on a regular player for a long time non-stop recording if you set the mode up 1 minute (Minute Track Recording).

■ How to set Scheduled Recording

With Rec scheduler on in the Utility Menu, a recording starts automatically according to the schedule.

1. Set the Rec Schedule On in the Utility Menu.



- Maximum number of event is 30. (Up to 10 events /day)



- "Rec Scheduled" is displayed in stop after the Rec Scheduler is turned On.
- When the **DISPLAY/LOCK** button is pressed the display changes as following and returns "Rec Scheduled" in 5 seconds

"Rec Scheduled" → "Remaining Recordable Time" → "Set Record File Information" → "Current Date" → "Current Time" → "Set Record Channel" → "Rec Scheduled"

Note:

The operation and display in Playback /Record work normally but "Rec Scheduled" is displayed during stop.

2. The PMD580 starts recording when the start time comes.



- "Rec Scheduled" is displayed and key is unlocked.
- When the **DISPLY/LOCK** button is pressed the display changes as following and returns "Rec Scheduled" in 5 seconds

"Rec Scheduled" → "Recording Elapsed Time" → "Remaining Recordable Time" → "File Name" → "File Information" → "Recorded Date" → "Recorded Time" → "Channel" → "Rec Scheduled"

Note:

When the start time comes while in playback, the PMD580 stops playback and starts recording.

Record status and Operation

Status	Operation
STOP	<ul style="list-style-type: none"> From 10 seconds before Scheduled start time, <ol style="list-style-type: none"> "Rec Scheduled" is displayed. Countdown starts. Front keys are locked.(Unlocked by SHIFT+DISPLAY) The Record starts when the scheduled time comes.
PLAY /REC STOP	
Rec Standby	<ul style="list-style-type: none"> From 10 seconds before Scheduled start time, <ol style="list-style-type: none"> "Rec Scheduled" is displayed. Countdown starts. Front keys are locked.(Unlocked by SHIFT+DISPLAY) The Recorded starts when the scheduled time comes. The record data are saved in a file selected in standby mode.
Rec Pause	<ul style="list-style-type: none"> From 10 seconds before Scheduled start time, <ol style="list-style-type: none"> "Rec Scheduled" is displayed. Countdown starts. Front keys are locked.(Unlocked by SHIFT+DISPLAY) The Record starts when the scheduled time comes. The recorded data are saved in the next file selected in REC PAUSE mode.
REC	<ul style="list-style-type: none"> From 10 seconds before Scheduled start time, <ol style="list-style-type: none"> "Rec Scheduled" is displayed. Countdown starts. Front keys are locked.(Only the STOP, REC PAUSE button works.) The Record starts when the scheduled time comes. The recorded data are saved in a new file.(Same operation as Auto Track)
PLAY, SEEK -/+	<ul style="list-style-type: none"> From 10 seconds before Scheduled start time, <ol style="list-style-type: none"> "Rec Scheduled" is displayed. Countdown starts. Front keys are locked.(Unlocked by SHIFT+DISPLAY) The Record starts when the scheduled time comes.
FWD, RWD	<ul style="list-style-type: none"> From 10 seconds before Scheduled start time, <ol style="list-style-type: none"> "Rec Scheduled" is displayed. Countdown starts. Front keys are locked.(Unlocked by SHIFT+DISPLAY) The Record starts when the scheduled time comes. Preset items are saved in the EEPROM and setting items are cancelled.
PLAY PAUSE	
Preset MENU	
USB mode	<ul style="list-style-type: none"> "Can'tSchedRec" is displayed 3 seconds when the scheduled time comes. "DidntSchedRec" is displayed 3 seconds after the USB cable is disconnected.
Web remote Serial remote Parallel remote	<ul style="list-style-type: none"> From 10 seconds before Scheduled start time, <ol style="list-style-type: none"> "Rec Scheduled" is displayed. Countdown starts. Front keys are locked.(cannot be unlocked during countdown.) The unit sends back "busy" or "nack" after the control command is received. The operation depends on the unit's status while using Web remote.
During Archive (Stop)	<ul style="list-style-type: none"> From 10 seconds before Scheduled start time, <ol style="list-style-type: none"> "Rec Scheduled" is displayed. Countdown starts. The unit stops archiving and starts recording when the start time comes.

Notes:

- The operation during recording depends on the preset menu.
(Auto Track, Pre Record, Silent Skip,...)
- If the end time of one scheduled recording is the same as the start time of another scheduled recording, the recording continues and a new file starts like Auto Track recording.

Playback

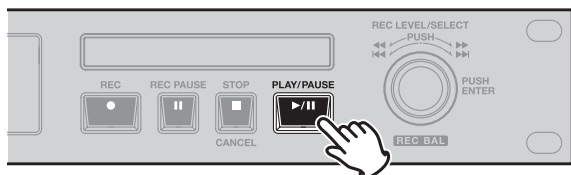
■ Playback Procedure

1. In stop mode, turn the **Jog wheel** to select the track you want to listen to.



- Track number and the file name appear in the display. (When file name is selected as a display mode.)
The **PLAY/PAUSE** button flashes.

2. Press the **PLAY/PAUSE** button.



- The playback starts and the elapsed time appears in the display.
- The **PLAY/PAUSE** button is lit and steady.

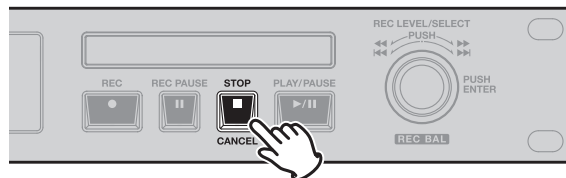
3. Press the **PLAY/PAUSE** button during playback.

- Playback will be temporarily halted.
The **PLAY/PAUSE** button Flashes when in pause mode.

4. To continue playback, press the **PLAY/PAUSE** button.

- The playback will be continued from the same point in the track.

5. Press the **STOP/CANCEL** button.

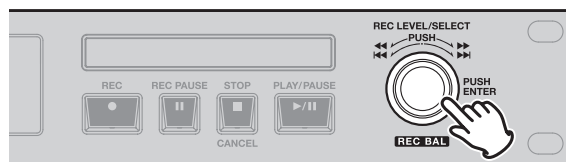


- The PMD580 waits at the beginning of the last playback track.
- Press the **STOP/CANCEL** button again to go back to the stop mode.

■ Track jump

1. Turn the **Jog wheel** clockwise during playback.

- The playback will advance to the beginning of the next track and playback will continue.



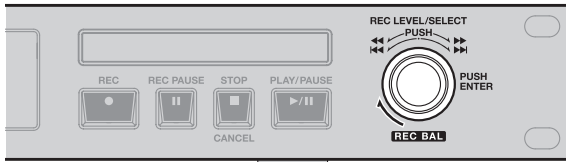
2. Turn the **Jog wheel** counterclockwise during playback.

- The playback will return to the beginning of the current track and playback will continue.

■ Search

Search in reverse

1. During stop or play-pause, press and turn left the **Jog wheel** one click, The PMD580 play-pause in the first click.



2. Press and turn left the **Jog wheel** to rewind quickly. The rewind is at 10x speed in the second click. Then it speeds up to 60x speed in the 3rd click, 600x speed in the 4th click.

Search in forward

1. During stop or play-pause, press and turn right the **Jog wheel** one click, The PMD580 play-pause in the first click.



2. Press and turn right the **Jog wheel** to wind quickly. The forward is at 10x speed in the second click. Then it speeds up to 60x speed in the 3rd click, 600x speed in the 4th click.

Note:

- If the **Jog wheel** is held past the end of a track, the last forward will continue into the next track.
- If the **Jog wheel** is held past the beginning of a track, the rewind will continue into the previous track.

■ Audible search

Manual search forward

1. Press the **Jog wheel** and turn clockwise during playback.



- Playback of the track is sped up while the **Jog wheel** is pressed.

Manual search in reverse

1. Press the **Jog wheel** and turn counterclockwise during playback.



- Playback of the track is sped up while the **Jog wheel** is pressed.

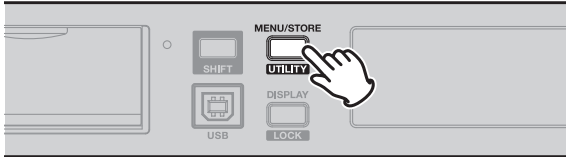
Preset & Utility

■ Preset function and operation

Presets lets you set or change recording and playback parameters, such as changing inputs and setting the Date/Time and the IP address.

(1) General menu procedure

1. With the PMD580 at stop, press the **MENU/STORE/UTILITY** button.



- A preset item appears in the display.

2. Turn the **Jog wheel** to scroll to the choice within Menu.



3. When displayed, press the **Jog wheel** to select that Menu choice.
 - Preset setting data appears in the display. You will now be able to edit the preset item.
4. Turn the **Jog wheel** to scroll through the submenu displays.
5. When the desired parameter or value is displayed, press the **Jog wheel** to select it.
6. Repeat steps 2-5 as needed.
7. Press the **MENU/STORE/UTILITY** button to save your changes or **STOP/CANCEL** button to cancel all changes and Return to stop mode.

(2) Table of preset items

Defaults are different by an area. (US, Europe and Japan)

No.	Display	Selection Range	Default		
			US	Europe	Japan
R01	Input Select	Analog Bal., Analog Unb., Digital Bal., Digital Unb.	Analog Bal.	Analog Bal.	Analog Bal.
R02	Rec Format	PCM / MP3 44.1kHz / 48kHz (MP3 Stereo) 32, 64, 96, 128, 160kHz (MP3 Mono) 16/24bit (PCM) Stereo/L-Mono/LR-Mono 64, 128, 192, 256, 320kHz	MP3 44.1kHz Stereo	PCM 48kHz Stereo	PCM 48kHz Stereo
R03	PreRecord	4 seconds 2 seconds Off	2 seconds	2 seconds	2 seconds
R04	Input Ref	-20dB +4dB	-20dB	-20dB	-20dB
R05	Manual Track	On / Off	On	On	On
R06	Auto Track	Off 1 / 5/ 10/ 15 / 30 minutes 1 / 2 / 6 / 8 / 12 / 24 hours	Off	Off	Off
R07	Silent Skip	Trk / On / Off 1 - 5 sec (1 sec steps) -60 - -20 dB(5dB steps)	Off 3 seconds -40dB	Off 3 seconds -40dB	Off 3 seconds -40dB
R08	Output Ref	-20dB, +4dB	-20dB	-20dB	-20dB
R09	RecLevel	Manual /ALC	Manual	Manual	Manual
P01	Digi Out Form	Broadcast/Consumer	Broadcast	Broadcast	Broadcast
P02	Digi Out FS	Auto / 44.1kHz / 48kHz	Auto	Auto	Auto
P03	Play Mode	Normal / Repeat All / Repeat One / Single / Random	Normal	Normal	Normal
P04	Single Mode	Stop / Next / Recue	Next	Next	Next
P05	Auto Cue	On/Off -60dB -20dB	Off -40dB	Off -40dB	Off -40dB
C01	Remote	Start Pause /Start PauseTR /Manual Track	Start Pause	Start Pause	Start Pause
S01	Date	Jan01 2007 - Dec31 2037	-	-	-
S02	Time	00:00 -23:59 AM 12:00 - PM 11:59	-	-	-
S03	Date Form	MDY, DMY, YMD	MDY	DMY	YMD
S04	Time Form	12h, 24h	12h	24h	12h
S05	Machine Name	Up to 12 characters (0 - 9, A - Z, a - z)	PMD580A00000	PMD580A00000	PMD580A00000
S06	IP Address	Auto / 000 000 000 000 - 255 255 255 255	Auto	Auto	Auto
S07	Show IP				
S08	Subnet Mask	000 000 000 000 - 255 255 255 255	255 255 255 000	255 255 255 000	255 255 255 000
S09	Gateway	Disable / 000 000 000 000 - 255 255 255 255	Disable	Disable	Disable

No.	Display	Selection Range	Default		
			US	Europe	Japan
S10	DNS Server	Disable / 000 000 000 000 – 255 255 255 255	Disable	Disable	Disable
S11	NTP Server	Disable / 000 000 000 000 – 255 255 255 255	Disable	Disable	Disable
S12	Time Zone	00:00 - 13:00 -12:00 - 00:00 (15min step)	00:00	00:00	00:00
S13	Password	None/ or up to 12 characters 0-9, A-Z, a-z	None	None	None
S14	Archive	Auto/ Schedule/ Off	Off	Off	Off
S15	Archive IP	000 000 000 000 – 255 255 255 255	000.000.000.000	000.000.000.000	000.000.000.000
S16	Archive Folder	None/ or up to 64 characters 0-9, A-Z, a-z	None	None	None
S17	Archive User Name	None/ or up to 32 characters 0-9, A-Z, a-z	None	None	None
S18	Archive Password	None/ or up to 12 characters 0-9, A-Z, a-z	None	None	None
S19	Auto Deletion	Off 1 / 3 / 6 / 12 / 24 hours	Off	Off	Off
S20	Default				

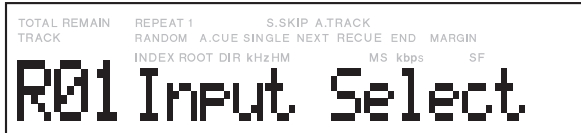
(3) Description

(R01) Input Select

Audio input(s) and audio channels for recording are selected using the Input Select.

Selection Range	Description
Analog Bal.	Selects Analog Balance Inputs.
Analog Unb.	Selects Analog Unbalanced Inputs.
Digital Bal.	Selects Digital Balanced Inputs.
Digital Unb.	Selects Digital Unbalanced Inputs.

1. From stop press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Input Select” is displayed.



3. Press the **Jog wheel** while “Input Select” is displayed.



- The input choice is flashing.
4. Turn the **Jog wheel** to tab through the input choices.
 5. When correct press the **Jog wheel** Display returns to Input flashing.
 6. Turn the **Jog wheel** to select other Menu choices.
 7. Press the **MENU/STORE/UTILITY** button to save the changes and return to stop or press the **STOP/CANCEL** button to exit Menu mode without making any changes.

(R02) Rec Format

Selection Range (PCM)

Channel	Sampling (KHz)	Resolution
Stereo	44.1	24bit
L-Mono LR-Mono	48	16bit

Selection Range (MP3)

Channel	Sampling (KHz)	Bitrate(Kbps)				
		64	128	192	256	320
Stereo	44.1					
	48					
L-Mono LR-Mono	44.1	32	64	96	128	160
	48					

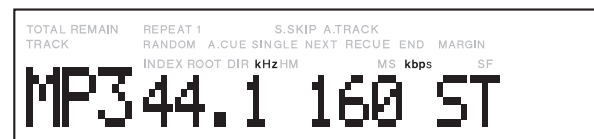
1. From stop press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Rec Format” is displayed.



3. Press the **Jog wheel** while “Rec Format” is displayed.
4. Turn the **Jog wheel** to select the audio format PCM or MP3, then press the Jog wheel.
5. Turn and press the **Jog wheel** to select the sampling frequency, resolution and channel in PCM format.



Or turn and press the **Jog wheel** to select the sampling frequency, bit rate and audio channel in MP3 format.



Display returns to Rec Format.

6. Turn the **Jog wheel** to select other Menu choices.
7. Press the **MENU/STORE/UTILITY** button to save the changes and return to Stop or .press the **STOP/CANCEL** button to exit Menu mode without making any changes.

(R03) Pre Record

When Pre Record is on and the PMD580 is in record-pause, it 'listens' to the selected audio input(s) and continuously buffers 2 seconds of audio. When recording begins, the 2 second pre record buffer is written at the beginning of the new track. The 2 seconds give you time to start recording without missing the first seconds of audio.

Selection Range	Note
4 seconds	
2 seconds	Default
Off	

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Pre Record is displayed.
3. While Pre Record is displayed, press the **Jog wheel**.
The 4 seconds, 2 seconds or Off will be flashing.
4. Turn the **Jog wheel** to toggle among 4 seconds, 2 seconds and Off.
5. When correct, press the **Jog wheel**.
The display returns to Pre Record.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

(R04) Input Ref

The Input Ref menu allows you to select the reference level for Analog Balanced Inputs.

Selection Range	Note
+4 dB	
-20 dB	Default

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Input Ref is displayed.
3. While Input Ref is displayed, press the **Jog wheel**.
The +4 dB or -20 dB will be flashing.
4. Turn the **Jog wheel** to toggle between +4 dB and -20 dB.
5. When correct, press the **Jog wheel**.
The display returns to Input Ref.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

(R05) Manual Track

When Manual Track is On during recording, press the **REC** button to increment the track. A new track is created at that point. A slight break might be heard during playback.

Selection Range	Note
On	Default
Off	

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Manual Track is displayed.
3. While Manual Track is displayed, press the **Jog wheel**. The On or Off will be flashing.
4. Turn the **Jog wheel** to toggle between On and Off.
5. When correct, press the **Jog wheel**.
The display returns to Manual Track.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

(R06) Auto track

With Auto Track on, a new track begins automatically at specified intervals of recording time.

Selection Range	Note
1, 5, 10, 15, 30 min., 1, 2, 6, 12, 24 hours	
Off	Default

1. From stop press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Auto Track is displayed.
3. While Auto Track is displayed, press the **Jog wheel**. The time or Off will be flashing.
4. Turn the **Jog wheel** to tab through the time interval choices (1, 5, 10, 15 or 30 minutes, or 1, 2, 6, 8, 12 or 24 hours, or Off). When correct, push and release the **Jog wheel**. The display returns to Auto Track.
5. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

Note:

You can press the **STOP/CANCEL** button to cancel all changes at any point before completing step 5.

(R07) Silent skip

Silent skip automatically pauses recording when there is a period of silence and resumes recording when sound resumes. Sometimes this feature is referred to as voice-activated recording. Silent Skip looks for sound below a preset level for a preset period of time.

When that occurs, the PMD580 switches to record pause. When a signal is input, recording resumes.

Selection Range	Note
Trk /On /Off	Off (Default)
Time: 1 – 5 sec (1 sec step)	3 seconds (Default)
Level: -60 - -20 dB (5 dB step)	-40 dB (Default)

1. From stop press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Silent Skip is displayed.
3. While Silent Skip is flashing, press the **Jog wheel**. The On or Off will be flashing.
4. Turn the **Jog wheel** to toggle between On and Off.
5. When correct, press the **Jog wheel**.
The display switches to time interval.
6. Turn the **Jog wheel** to tab through the silent time interval choices (1 - 5 seconds).
When correct, press the **Jog wheel**.
The display switches to -dB flashing.
7. Turn the **Jog wheel** to tab through the margin sound level choices (-20 through -60 dB in 5 dB units).
When correct, press the **Jog wheel**. The display returns to SilentSkp.
Display returns to stop mode.

Notes:

- You can press the **STOP/ CANCEL** button to cancel all changes at any point before completing step 7.
- When Silent Skip is On, S.SKIP appears in the display during Stop and record.

(R08) Output Ref

Reference for Analog Balanced Outputs.

Selection Range	Note
+4 dB	
-20 dB	Default

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Output Ref is displayed.
3. While Output Ref is flashing, press the **Jog wheel**. The +4 dB or -20 dB will be flashing.
4. Turn the **Jog wheel** to toggle between +4 dB and -20 dB.
5. When correct, press the **Jog wheel**.
The display returns to Output Ref.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

(R09) Rec Level

Before recording an analog source, perform the following steps to obtain the appropriate recording level.

Selection Range	Note
Manual	Default
ALC	

Manual:

Recording level must be adjusted manually using the **Jog wheel** on the front panel.

1. To have the PMD580 set the recording level manually, set the Rec Level setting to Manual.
2. Set the PMD580 in record or record pause mode.
3. Watch the audio level meter(s) and monitor the sound source you want to record.
4. Use the **Jog wheel** to adjust the audio level meter(s) so that the 0 dB indicator(s) just barely flicker at the highest peak from the input signal.
 - The OVER indicator should not light (this would result in clipping).

ALC (Automatic Level Control):

Automated recording level adjustment based on the level of the input signal.

1. To have the PMD580 set the recording level automatically, set the Rec Level setting to ALC.
2. Set the unit in record or record pause mode.
 - **Jog wheel** does not effect the recording.
 - "ALC On" appears in the display when the **Jog wheel** is turned.
 - Time constant is long to prevent sudden fluctuations in the recording level.

(P01) Digi Out Form

The digital output format is selectable from Broadcast or Consumer using Digi Out Form.

Selection Range	Note
Broadcast	Default
Consumer	

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Digi Out Form is displayed.
3. While Digi Out Form is flashing, press the **Jog wheel**. The Broadcast or Consumer will be flashing.
4. Turn the **Jog wheel** to toggle between Broadcast and Consumer.
5. When correct, press the **Jog wheel**.
The display returns to Digi Out Form.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

(P02) Digi Out FS

Select the sampling frequency of digital output.

Selection Range	Note
44.1 kHz	
48 kHz	
Auto	Default

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Digi Out FS is displayed.
3. While Digi Out FS is flashing, press the **Jog wheel**. The 44.1 kHz, 48 kHz or Auto will be flashing.
4. Turn the **Jog wheel** to toggle among 44.1 kHz, 48 kHz and Auto.
5. When correct, press the **Jog wheel**. The display returns to Digi Out FS.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes. Display returns to stop mode.

(P03) Play mode

Play Mode lets you choose what happens when the end of a track is reached during playback.

Selection Range	Note
Normal	Default
Repeat All	
Repeat One	
Single	
Random	

Normal (Normal Playback)

When playback reaches the end of a track it automatically begins the next track until all tracks on the CF card have been played. After the last track on the CF card, playback stops. The PMD580 returns to stop mode.

1. Select the Play Mode menu choice:
While in stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Play Mode” is displayed.
3. Press the **Jog wheel**.
4. Turn the **Jog wheel** until “Normal” is displayed.
5. Press the **MENU/STORE/UTILITY** button.
 - The Normal Playback is set and the unit returns to stop mode.

Repeat All (All track repeat)

During playback all tracks are repeated. Same as Normal except when playback reaches the end of the last track. It automatically starts playback from the beginning of the first track.

1. Select the Play Mode menu choice:
While in stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Repeat All” is displayed.
3. Press the **Jog wheel**.
4. Turn the **Jog wheel** until “Repeat All” is displayed.
 - The “REPEAT” indicators light in the display and the all track repeat mode is set.
5. Press the **MENU/STORE/UTILITY** button.
 - The unit returns to stop mode.
6. Press the **PLAY/PAUSE** button.
 - The card is played repeatedly.
 - If the All Track repeat is set during program play, the tracks are played repeatedly in the programmed order.

Repeat One (Single track repeat)

When playback reaches the end of the track it automatically starts playing again at the beginning of the same track.

- 1. Select the Play Mode menu choice:**
While in stop, press the **MENU/STORE/UTILITY** button.
- 2. Turn the Jog wheel** until “Play Mode” is displayed.
- 3. Press the Jog wheel.**
- 4. Turn the Jog wheel** until “Repeat Track” is displayed.
 - The “REPEAT 1” indicators light in the display and the single track repeat mode is set.
- 5. Press the MENU/STORE/UTILITY** button.
 - The unit returns to stop mode.
- 6. Turn the Jog wheel** to select the track to be played repeatedly.
- 7. Press the PLAY/PAUSE** button.
 - The current track is played repeatedly.

Single (Single Playback)

When playback reaches the end of the track, it automatically starts the operation according to the single mode setting. See Single mode in the Preset Menu.

- 1. Select the Play Mode menu choice:**
While in stop, press the **MENU/STORE/UTILITY** button.
- 2. Turn the Jog wheel** until “Play Mode” is displayed.
- 3. Press the Jog wheel.**
- 4. Turn the Jog wheel** until “Single” is displayed.
- 5. Press the MENU/STORE/UTILITY** button.
 - The Single Playback is set and the unit returns to stop mode.

Random (Random Playback)

This function rearranges the tracks into a random sequence and it then plays all the tracks in this random sequence.

- 1. Select the Play Mode menu choice:**
While in stop, press the **MENU/STORE/UTILITY** button.
- 2. Turn the Jog wheel** until “Play Mode” is displayed.
- 3. Press the MENU/STORE/UTILITY** button.
- 4. Turn the Jog wheel** until “Random” is displayed.
 - The “RANDOM” indicator lights in the display and the random playback mode is set.
- 5. Press the MENU/STORE/UTILITY** button.
 - The unit returns to stop mode.
- 6. Press the PLAY/PAUSE** button.
 - The card is played in random order.

(P04) Single mode

Single mode set the operation after completing the playback of a track in single playback mode.

Selection Range	Note
Stop	
Next	Default
Recue	

Stop:

The PMD580 returns to stop mode after the track has played.

Next:

The PMD580 advances to the next track and waits in cue mode.

Recue:

The PMD580 returns to the beginning of the current track and waits in cue mode.

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Single Mode is displayed.
3. While Single Mode is displayed, press the **Jog wheel**. The Stop, Next or Recue will be flashing.
4. Turn the **Jog wheel** to toggle among Stop, Next and Recue.
5. When correct, press the **Jog wheel**.
The display returns to Single Mode.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

(P05) Auto Cue

Auto Cue skips the silence at the beginning of an audio track and pauses playback at the point where the audio begins (sound is loud enough).

You can adjust how loud (dB's) the audio has to be before playback is cued.

Selection Range	Note
On/Off	Off (Default)
-60 dB - -20 dB 5 dB steps	-40 dB (Default)

1. From stop press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Auto Cue is displayed.
3. While Auto Cue is displayed, press the **Jog wheel**. The On or Off will be flashing.
4. Turn the **Jog wheel** to toggle between On and Off.
5. When correct, press the **Jog wheel**. The display switches to -dB flashing.
6. Turn the **Jog wheel** to tab through the sound level choices (-20 through -60 dB in 5 dB steps). When correct, press the **Jog wheel**. The display returns to Auto Cue.
Display returns to stop mode.

Note:

You can press the **STOP/ CANCEL** button to cancel all changes at any point before completing step 6.

(C01) Remote

The Remote Menu setting is for a wired remote (not supplied) plugged into the REMOTE Phone jack. There are three remote modes.

Selection Range	Note
Start Pause	Default
Start Pause TR	
Manual Track	

Start Pause:

During recording or playback, close to start, open to pause.

Start Pause TR:

During recording, close to start, open to pause.

After a record pause, start begins the next track.

Manual Track:

During recording, close to increment the track. A new track is created at that point.

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Remote is displayed.
3. While Remote is displayed, press the **Jog wheel**. The Start Pause, Start Pause TR or Manual Track will be flashing.
4. Turn the **Jog wheel** to toggle among Start Pause, Start Pause TR and Manual Track.
5. When correct, press the **Jog wheel**. The display returns to Remote.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes. Display returns to stop mode.

(S01) Date

The date is written on each audio track (file) when the track is started. When an audio track is viewed on a computer, this date appears as when the file was "Created".



Items	Selection Range
Year	2007 – 2099
Month	Jan – Dec
Day	01 – 31

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until Date appears in the display.
3. Press the **Jog wheel** while Date is displayed. The Date information will be displayed with the year flashing.
4. Turn the **Jog wheel** until the current year is displayed.
5. Press the **Jog wheel** to confirm the year. The month will be flashing.
6. Turn the **Jog wheel** until the current month is displayed.
7. Press the **Jog wheel** to confirm the month. The day will be flashing.
8. Turn the **Jog wheel** until the current day is displayed.
9. Press the **MENU/STORE/UTILITY** button to save your changes. (or press the **STOP/CANCEL** button to cancel all changes.)
10. Display returns to stop mode.

(S02) Time

The time is written on each audio track (file) when the track is started. When an audio track is viewed on a computer, this time appears as when the file was "Created".



Item	Selection Range
Time	00:00 - 23:59 or 12:00 - 11:59am /11:59pm

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until Time appears in the display.
3. Press the **Jog wheel** while Time is displayed.
The Time information will be displayed with the Hour flashing.
4. Turn the **Jog wheel** until the current hour is displayed.
5. Press the **Jog wheel** to confirm the hour.
The minute will be flashing.
6. Turn the **Jog wheel** until the current minute is displayed.
7. Press the **MENU/STORE/UTILITY** button to save your changes. (or press the **STOP/CANCEL** button to cancel all changes.
8. Display returns to stop mode.

(S03) Date form

The date form is the date order month/day/year, day/month/year or year/month/day.



Selection Range	Description
M/D/Y	M/D/Y: Jan01 2008
D/M/Y	D/M/Y: 01Jan 2008
Y/M/D	Y/M/D: 2008 Jan01

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Date Form is displayed.
3. While Date Form is displayed, press the **Jog wheel**.
The MDY, DMY or YMD will be flashing.
4. Turn the **Jog wheel** to toggle among MDY, DMY and YMD.
5. When correct, press the **Jog wheel**.
The display returns to Date Form.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

(S04) Time Form

The time form menu selects the 12 hour time display with am (or pm) or 24 hour time display.



Selection Range	Description
12h	12:00 - 11:59 am 12:00 - 11:59 pm
24h	00:00 - 23:59

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Time Form is displayed.
3. While Time Form is displayed, press the **Jog wheel**. The 12h or 24h will be flashing.
4. Turn the **Jog wheel** to toggle between 12h and 24h.
5. When correct, press the **Jog wheel**. The display returns to Time Form.
6. If you are done making Menu changes to the Preset, press the **MENU/STORE/UTILITY** button to save your changes. Display returns to stop mode.

(S05) Machine Name

Machine Name allows you to set the name of the PMD580.



Selection Range	Description
5 to 12 characters (0 – 9, A – Z, a – z)	“PMD580A000000” = Default

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Machine Name” is displayed.



3. Press the **Jog wheel** while Machine Name is displayed. The first character of the Machine Name will flash.



4. Turn the **Jog wheel** to select a position to change or add a character then press the **Jog wheel**.



5. Turn the **Jog wheel** to select a character.



6. When correct, press the Jog wheel.

The right most position will flash.

Repeat steps from 4 to 6 until all Machine Name characters are correct.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

7. Press the MENU/STORE/UTILITY button to store the changes, or press the STOP/CANCEL button to exit MENU mode without saving any changes.

8. Display returns to stop mode.

(S06) IP address

The IP address of the PMD580 is automatically assigned by the DHCP server or device when the IP address menu is set "Auto"(Default). When the IP address is not assigned automatically, use the IP address menu to set the IP address directly.



Selection Range	Description
Auto / 000.000.000.000 - 255.255.255.255	<ul style="list-style-type: none"> • Turn the Jog wheel to up or down 1 step. • Turn with Press the Jog wheel to up or down 10 steps.

1. From stop, press the MENU/STORE/UTILITY button.

2. Turn the Jog wheel until "IP address" is displayed.



3. Press the Jog wheel while IP address is displayed. The first character of the IP address will flash.



4. Turn the Jog wheel to select the characters.

5. When correct, press the Jog wheel.

The next position will flash.

Repeat steps 4 and 5 until all IP address characters are correct.

6. Press the MENU/STORE/UTILITY button to save the changes, or press the STOP/CANCEL button to exit MENU mode without saving any changes.

7. Display returns to stop mode.

Note:

If you are not familiar with the network environment where you wish to connect your PMD580, please contact your network or IT official or administrator.

(S07) Show IP

The Show IP menu allows you to display the IP address of the PMD580.



1. While in stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Show IP” appear in the display.



3. Press the **Jog wheel**.
The Display switches to the IP address.
4. Press the **STOP/CANCEL** button to exit the Menu.

(S08) Subnet mask

The Subnet mask menu allows you to set the subnet mask to identify the subnetwork.



Selection Range	Description
000.000.000.000 - 255.255.255.000	<ul style="list-style-type: none">• Turn the Jog wheel to up or down 1 step.• Turn with Press the Jog wheel to up or down 10 steps.

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Subnet mask” is displayed.



3. Press the **Jog wheel** while IP address is displayed.
The first character of the IP address will flash.



4. Turn the **Jog wheel** to select the characters.
5. When correct, press the **Jog wheel**.
The next position will flash.
Repeat steps 4 and 5 until all Subnet mask characters are correct.
6. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.
7. Display returns to stop mode.

(S09) Gateway

The Gateway menu allows you to set the default gateway Server that serves as an entrance to another network, and vice-versa.



Selection Range	Description
Disable / 000.000.000.000 – 255.255.255.255	<ul style="list-style-type: none"> Turn the Jog wheel to up or down 1 step. Turn with Press the Jog wheel to up or down 10 steps.

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Gateway” is displayed.



3. Press the **Jog wheel** while IP address is displayed. The first character of the Gateway will flash.



4. Turn the **Jog wheel** to select the characters.
5. When correct, press the **Jog wheel**.
The next position will flash.
Repeat steps 4 and 5 until all Gateway characters are correct.
6. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.
7. Display returns to stop mode.

(S10) DNS Server

The DNS Server menu allows you to set the DNS (Domain Name System) Server. The DNS server translates the Server name into the IP address in the network.



Selection Range	Description
Disable / 000.000.000.000 – 255.255.255.255	<ul style="list-style-type: none"> Turn the Jog wheel to up or down 1 step. Turn with Press the Jog wheel to up or down 10 steps.

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “IP address” is displayed.



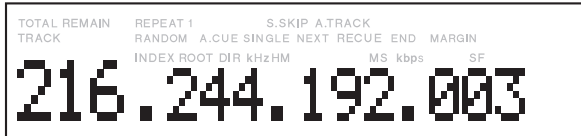
3. Press the **Jog wheel** while DNS Server is displayed. The first character of the DNS Server will flash.



4. Turn the **Jog wheel** to select the characters.
5. When correct, press the **Jog wheel**.
The next position will flash.
Repeat steps 4 and 5 until all DNS Server characters are correct.
6. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.
7. Display returns to stop mode.

(S11) NTP Server

The NTP Server menu allows you to set the NTP(Network Time Protocol) server. The PMD580 gets the time information from the NTP server.

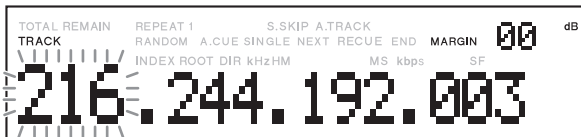


Selection Range	Description
Disable / 000.000.000.000 - 255.255.255.255	<ul style="list-style-type: none"> Turn the Jog wheel to up or down 1 step. Turn with Press the Jog wheel to up or down 10 steps.

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “NTP Server” is displayed.



3. Press the **Jog wheel** while NTP Server is displayed. The first character of the NTP Server will flash.



4. Turn the **Jog wheel** to select the characters.
5. When correct, press the **Jog wheel**. The next position will flash. Repeat steps 4 and 5 until all NTP Server characters are correct.
6. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.
7. Display returns to stop mode.

(S12) Time Zone

The Time Zone menu allows you to set the NTP (Network Time Protocol) Time Zone.



Selection Range	Note
Time Zone -12:00 to +13:00	00:00 (Default)

1. From stop press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Time Zone is displayed.



3. While Time Zone is flashing, press the **Jog wheel**. The display switches to Time flashing.
4. Turn the **Jog wheel** to tab through the Time zone choices (-12:00- to +13:00 in 15 minute steps). When correct, press the **Jog wheel**. The display returns to Time Zone. Display returns to stop mode.

Note:

Press and turn the **Jog wheel** to up or down 1 hour steps.

(S13) Password

The Password menu allows you to set the password to access to the PMD580 while the user use the Web remote function in the user's computer.

Item	Description
Password	0 to 9, A to Z, a to z, 6 to 12 characters

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until "Password" is displayed.



3. Press the **Jog wheel** while Password is displayed. "New" is displayed, and the first character of the password (blank) will flash.



4. Turn the **Jog wheel** to select a position and press the **Jog wheel**.
5. Turn the **Jog wheel** to select the characters.
6. When correct, press the **Jog wheel**.

The next position will flash.

Repeat steps from 4 to 6 until all password characters are correct.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

7. Press the **PLAY/PAUSE** button.



8. Turn the **Jog wheel** to select a position and press the **Jog wheel**.
9. Turn the **Jog wheel** to select the characters.

10. When correct, press the **Jog wheel**.

The next position will flash.

Repeat steps from 8 to 10 until all password characters are correct.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

11. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.

12. Display returns to stop mode.

Notes:

- The input word will not be displayed.
- The password input is required twice.
- "New" is displayed during the first password input.
- "Re" is displayed during the second password input.
- "Invalid" will be displayed if the second word is different from the first one.

(S14) Archive

The Archive menu allows you to select the way to archive the recorded files.

Selection Range	Note
Auto	
Schedule	
Off	Default

Auto:

The archive will be made during Rec stop mode.

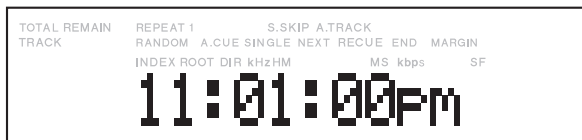
Schedule:

The archive will be made according to the archive schedule.

Off:

The archive will not be made.

The input of Archive time will be required after “Schedule” is selected.



(hh:mm:ss)

Selection Range	Description
Hour (12h)	12 - 11am or 12 - 11pm
Hour (24h)	00 - 23
Minute	00 - 59

(S15) Archive IP(Archive Server)

The Archive IP menu allows you to set the IP address or Server name to save the archive files.



Selection Range	Description
Server name	Up to 21 words
IP address	123.456.789.123

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Archive IP” is displayed.



3. Press the **Jog wheel** while Archive IP is displayed. The first character of the Archive IP or Server Name will flash.



4. Turn the **Jog wheel** to select the position and press the **Jog wheel**.
5. Turn the **Jog wheel** to select the characters.
6. When correct, press the **Jog wheel**. The next position will flash. Repeat steps from 4 to 6 until all Archive IP or Server Name characters are correct.
7. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.
8. Display returns to stop mode.

(S16) Archive Folder (Archive folder name)

The Archive Folder menu allows you to set the shared folder to save the archive files.

Item	Selection Range
Folder name	Up to 64 characters "_" , " " , "." , "-" , "\" , 0 to 9, A to Z, a to z

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until "ArchiveFolder" is displayed.



3. Press the **Jog wheel** while ArchiveFolder is displayed. The first character of the Archive Folder name will flash.



4. Turn the **Jog wheel** to select a position and press the **Jog wheel**.
5. Turn the **Jog wheel** to select the characters.
6. When correct, press the **Jog wheel**.
The next position will flash.
Repeat steps from 4 to 6 until all Archive IP or Server Name characters are correct.
Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.
7. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.
8. Display returns to stop mode.

(S17) Arch UserName (Archive User Name)

The Archive User Name menu allows you to set the user name to access to the archive server.

Item	Description
Archive User Name	Up to 32 characters "_" , " " , "." , "-" , "\" , 0 to 9, A to Z, a to z

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until "Arch UserName" is displayed.



3. Press the **Jog wheel** while Arch UserName is displayed. The first character of the Archive User Name will flash.



4. Turn the **Jog wheel** to select a position and press the **Jog wheel**.
5. Turn the **Jog wheel** to select the characters.
6. When correct, press the **Jog wheel**.
The next position will flash.
Repeat steps from 4 to 6 until all Archive User Name characters are correct.
Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.
7. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.
Display returns to stop mode.

(S18) Archive Password

The Archive password menu allows you to set the password to access to the archive server.

- The input password will not be displayed.

Item	Description
Archive Password	0 to 9, A to Z, a to z, Up to 12 characters

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** until “Arch Password” is displayed.



3. Press the **Jog wheel** while Password is displayed. “New” is displayed, and the first character of the password (blank) will flash.



4. Turn the **Jog wheel** to select a position and press the **Jog wheel**.

5. Turn the **Jog wheel** to select the characters.

6. When correct, press the **Jog wheel**.

The next position will flash.

Repeat steps from 4 to 6 until all password characters are correct.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

7. Press the **PLAY/PAUSE** button.



8. Turn the **Jog wheel** to select a position and press the **Jog wheel**.

9. Turn the **Jog wheel** to select the characters.

10. When correct, press the **Jog wheel**.

The next position will flash.

Repeat steps from 8 to 10 until all password characters are correct.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

11. Press the **MENU/STORE/UTILITY** button to save the changes, or press the **STOP/CANCEL** button to exit MENU mode without saving any changes.

12. Display returns to stop mode.

Notes:

- The input word will not be displayed.
- The password input is required twice.
- “New” is displayed during the first password input.
- “Re” is displayed during the second password input.
- “Invalid” will be displayed if the second word is different from the first one.

(S19) Auto Deletion

The auto deletion process will run in the background while recording. The PMD580 will delete recorded files when free space is getting low.

The PMD580 checks if free CF space is less than 30 sec or not. The physical free byte will depend on the recording format. When the PMD580 detect less than free space, the PMD580 will search oldest file. If the archived oldest file is found, the PMD580 will delete it. If the file is not found, the unit will stop recording with error.

Selection Range	Note
On	
Off	Default

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Auto Deletion is displayed.



S19 Auto Deletion

3. While Auto Deletion is displayed, press the **Jog wheel**. The On or Off will be flashing.



On

4. Turn the **Jog wheel** to toggle between On and Off.
5. When correct, press the **Jog wheel**.
The display returns to Auto Deletion.
6. Press the **MENU/STORE/UTILITY** button to save your changes.
Display returns to stop mode.

(S20) Default


The Default menu choice resets all menu items to their defaults. This is handy if you are setting up a new setting configuration because you don't have to check all the settings, you know they are at the default.

1. From stop, press the **MENU/STORE/UTILITY** button.
2. Turn the **Jog wheel** so Default is displayed.



S20 Default

3. While Default is displayed, press the **Jog wheel**. The Ok will be flashing.



S20 Default Ok

4. Press the **Jog wheel**.

Executing will be displayed for a couple of seconds while the default is being written.



Executing

Completed will be displayed for a second.

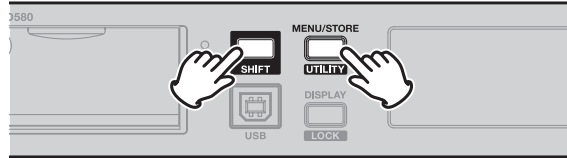


Completed

Display returns to stop mode.

Utility Menu

Utility menu, accessed from stop by pressing both the **MENU/STORE/UTILITY** button and the **SHIFT** button, lets you edit a folder or file, set Rec scheduler and use other utility functions.



Utility Menu function table

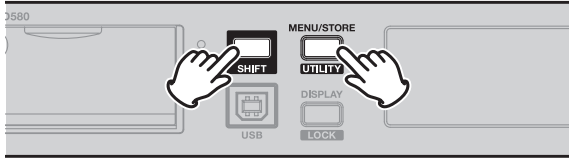
No.	Display	Meaning	Note
U01	User area	On : Letters will be added to the User area of the file name. Off : Letters will not be added. Letters : Up to 32*1 letters can be set in the Utility Menu.	Default = "Off" *1 More than 0 letters automatically include "_" in the right end of the User area.
U02	Machine ID	Letters : From 5 to 8 letters can be set for the Machine ID area of the file name.	Default = "MZ001"
U03	File Order	Select the playback order of the files in alphabetical or Date.	Default = "Date"
U04	Rec Schedule	Scheduler recording On/Off	Default = "Off"
U05	RecSched Time	Set times of Scheduler REC.	-
U06	All Shed CLR	Delete All Rec Schedule.	-
U07	Make Folder	Creat a folder.	-
U08	Select Folder	Select a folder of record and playback files.	Default = "MPGLANG1" or alphabetical top folder.
U09	Rename File	Change the name of a file.	-
U10	Rename Folder	Change the name of a folder.	
U11	Track Delete	Delete a file.	
U12	Format	Format a CF card.	
U13	Card check	Check a CF card.	
U14	Menu Load	Load preset data from a file named 580preset.cfg in a CF card.	
U15	Menu Save	Save preset data in a file named 580preset.cfg in a CF card.	
U16	F/W version	Check the firmware version.	

Description

(U01) User Area

The User Area menu allows you to have a user area in a file name. The User Area is assigned in a top of a file name. For example, if the User Area is “abcdefghijklm”, the file is numbered “abcdefghijklm_070312_MZ001.wav”.

1. From stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.



2. Turn the **Jog wheel** until “User Area” is displayed.



3. Press the **Jog wheel**.



- On or Off will flash.

4. Press the **Jog wheel**.

- The first character of the User area will flash.



5. Turn the **Jog wheel** to select the character.

- Following characters can be used.

“A” to “Z”, “a” to “z”, “0” to “9”, “-”, “ ”, “.”, “_”

Notes:

- “ ”(space) and “.”(dot) cannot be used at the top of the User Area.
- Select the space character to end the User Area.

6. When correct, press the **Jog wheel**.

The next position will flash.

Repeat steps 5 and 6 until all User Area characters are correct.

When the space character is selected, the display returns to the File name ID, so proceed to step 7.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

7. After editing, Press the **PLAY/PAUSE** button.

The display returns to the User Area.

8. Turn the **Jog wheel** to select other Menu choices. Press the **MENU/STORE/UTILITY** button to store the changes, or press the **STOP/CANCEL** button to exit Utility mode without making any changes.

Display returns to stop mode.

(U02) Machine ID

The Machine ID menu allows you to have a Machine ID information in a file name. The Machine ID is assigned in the last of a file name. For example, if the Machine ID is “MZ001”, the first file is numbered “abcdefghijklm_070312_MZ001.wav”.

1. From stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “Machine ID” is displayed.



3. Press the **Jog wheel** while Machine ID is displayed. The first character of the Machine ID will flash.



4. Turn the **Jog wheel** to select a position and press the **Jog wheel**.
5. Turn the **Jog wheel** to select the characters.
6. When correct, press the **Jog wheel**.

The next position will flash.

Repeat steps from 4 to 6 until all Machine ID characters are correct.

When the space character is selected, the display returns to the Machine ID, so proceed to step 7.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

7. After editing, Press the **PLAY/PAUSE** button.

The display returns to the Machine ID.

8. Turn the **Jog wheel** to select other Menu choices. Press the **MENU/STORE/UTILITY** button to store the changes, or press the **STOP/CANCEL** button to exit MENU mode without making any changes.

Display returns to stop mode.

(U03) File Order

The File Order menu allows you to select the way to sort the files by name (alphabetical) or by time (Date).

Alphabetical

“Alphabetical” sorts the tracks by file name in alphabetical order.

Example of alphabetical order

> A > a > B > b > 1 > 2 - - -

Date

“Date” sorts the tracks in order of date and time at which the track is created.

1. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “File Order” appears in the display.



3. Press the **Jog wheel**.

The Display switches to “Alphabetical” or “Date” flashing.

4. Turn the **Jog wheel** until the order you want to select appears.
5. Press the **Jog wheel** to set the change or press the **STOP/CANCEL** button to cancel.

(U04) Rec Schedule (Recording scheduler SW)

The Rec schedule menu set the Rec schedule function On or Off.

1. Press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “Rec Schedule” appears in the display.



3. Press the **Jog wheel** to accept the selection.
4. Turn the **Jog wheel** until “On” appears in the display.



5. Press the **Jog wheel** to accept the selection.
6. Turn the **Jog wheel** to select other Menu choices. Press the **MENU/STORE/UTILITY** button to store the changes, or press the **STOP/CANCEL** button to exit MENU mode without making any changes.
 - Display returns to stop mode.

(U05) Rec Schedule Time

The Rec Schedule Time menu allows you to set or change recording start time, stop time and the user area of the filename.

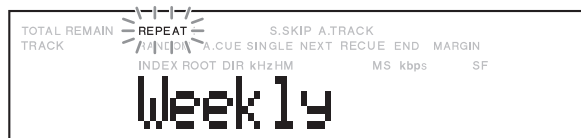
1. Select the Rec Scheduler Time menu.
 - While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
 - Turn the **Jog wheel** until “Rec Sched Time” appears.



2. Select the Program number.
 - Press the **Jog wheel** to accept the selection.
 - Turn the **Jog wheel** to select the program number.



3. Select the repeat or 1.
 - The number flashes during selection.
 - Turn the **Jog wheel** while pressing the **SHIFT** button to select “DEL”, then press the **Jog wheel** to delete the event.
 - Turn the **Jog wheel** while pressing the **SHIFT** button to select “CLR”, then press the **Jog wheel** to clear all events.
 - Press the **Jog wheel** to accept the selection.
3. Select the repeat or 1.
 - “REPEAT”, or “1” flashes.



- “Weekly” appears while the REPEAT is selected.
- Select “1” to record one time only.
- “One Day” appears while the “1” is selected.
- Press the **Jog wheel** to accept the selection.

4. Set the week or day.

- While the “REPEAT” is selected, week appears in the display.

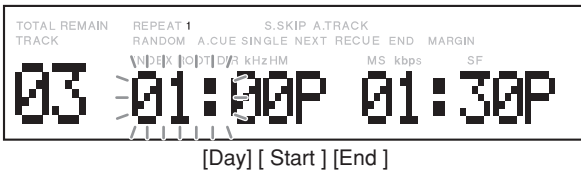
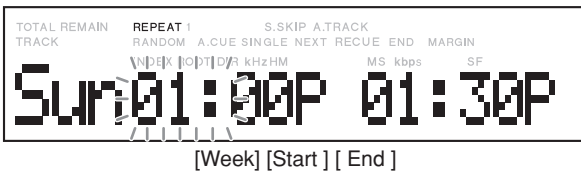


- While the “1” is selected, date appears in the display.



- The date order depends on the date form in the Preset Menu.
- Press the **Jog wheel** to accept the selection.

5. Set the start and end time.



- If the end time is earlier than the start time, the day of the end time will be set to the next day of the start time.
- The event can not take the same time with another event. When the same time zone is set, “Duplication” is displayed 2 seconds, the input is cancelled, then the display goes back to the Rec Schedule Time set menu.
- Turn the **Jog wheel** to select the week, start time, and end time. Then press the **Jog wheel** to set the input and go to the next. The setting item will flash.
- Time display(12H or 24H) depends on the “Time form” in the Preset Menu.
A(P) is attached while in 12H AM(PM).

6. Input the filename User Area.

- User area can be set for each event.

7. Write the schedules.

- Press the **PLAY/PAUSE** button to write the schedules. “Executing” appears during writing. “Completed” appears 1 second after the writing is completed.
- Press the **STOP/CANCEL** button to cancel any schedule input and return to stop mode.

Notes:

- Maximum event count is 30.
- If a single scheduled recording (set as “1”) is completed, the scheduled time is cleared.
- If the **STOP/CANCEL** button is pressed while selecting program number, the unit returns **STOP**.
- If the **STOP/CANCEL** button is pressed other than selecting program number, the unit returns number selection.

8. Delete the schedule.

- Turn the **Jog wheel** to select the program number.
- Press the **SHIFT** button. “Del” flashes in the display.
- Press the **Jog wheel**. “Delete OK” appears and “OK” flashes.
- Press the **Jog wheel**. “Executing” appears in the display. The display returns to program number selection.
- Press the **STOP/CANCEL** button to return to stop mode.

(U06) All Sched CLR (All Rec Scheduled Clear)

The All Sched CLR menu allows you to delete all contents in Rec schedule.

1. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “All Sched CLR” appears in the display.



3. Press the **Jog wheel**.
4. Turn the **Jog wheel** until “All Clear OK” appears.
5. Press the **Jog wheel**.
 - “Executing” will be displayed until Erase is finished. Then “Completed” will be displayed.
6. Press the **STOP/CANCEL** button to cancel.

(U07) Make Folder

The Make folder menu allows you to create a folder in a root directory.

How to create a folder:

1. While in stop, press both the **MENU/STORE/UTILITY** button and **SHIFT** button.
2. Turn the **Jog wheel** until “Make Folder” appears in the display.



3. Press the **Jog wheel**.

The display switches to the first character of the folder name.



The first character of the folder name flashes.

4. Turn the **Jog wheel** until the character you want is flashing.
5. Press the **Jog wheel**.

The display switches to the next character of the folder name.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.
6. Repeat step 4 and 5 to complete the folder name input (up to 64 characters).
7. Press the **PLAY/PAUSE** button to add the folder.

When Sel Folder Y/N appears, press the **Jog wheel** to set the folder.
8. Press the **STOP/CANCEL** button to cancel.

(U08) Select Folder

The Select Folder menu allows you to select a folder of record or playback files in the CF card.

1. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “Select Folder” appears in the display.



3. Press the **Jog wheel**.
The Display switches to folder flashing.
4. Select a folder
 - Turn the **Jog wheel** until the folder you want to select appears.
5. Press the **Jog wheel**.
6. Press the **STOP/CANCEL** button to cancel.

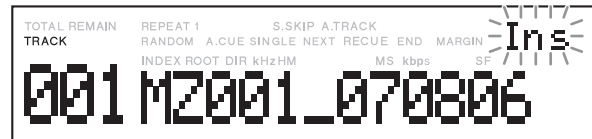
(U09) Rename File

The Rename menu changes the name of a track(file).

1. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “Rename File” appears in the display then press the **Jog wheel**.



3. Select a track you want to change the name.
<Example>



- The first character of the track flashes.
- Turn the **Jog wheel** to change the character.
- The file name scrolls when the character not shown in the display is selected.

Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

4. Press the **PLAY/PAUSE** button to complete and return to the Rename File.

(U10) Rename Folder

The Rename Folder menu changes the name of a folder.

1. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** to select the “Rename Folder”, then press the **Jog wheel**.



3. Select a folder you want to change the name.
<Example>



- The first character of the folder flashes.
- Turn the **Jog wheel** to change the character.
- The file name scrolls when the character not shown in the display is selected.

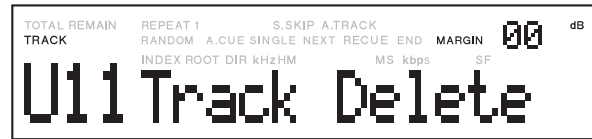
Press the **SHIFT** button and then press the **Jog wheel** to delete the characters. Pressing the **SHIFT** button again enables you to insert characters.

4. Press the **PLAY/PAUSE** button to complete and return to the Rename Folder.

(U11) Track Delete

The Track Delete menu deletes a selected track.

1. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “Track Delete” appears in the display.



3. Press the **Jog wheel**.
The Display switches to track number flashing.
4. Select a track or a folder
 - Turn the **Jog wheel** until the track number you want to erase appears.
 - Turn the **Jog wheel** while pressing the **SHIFT** button, until the folder name you want to erase appears.
5. Press the **Jog wheel**.
“Executing” will be displayed until Erase is finished. Then “Completed” will be displayed.
 - Display returns to step 3 so you can erase another track.
6. Press the **STOP/CANCEL** button to cancel.

(U12) Format

The Format menu erases all files and folders in the CF card and prepares for use in the PMD580.

If the CF card is formatted other than FAT16 or FAT32, the card have to be formatted in the computer.

1. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “Format” is displayed.



3. Press the **Jog wheel**.
The Display switches to “OK?” flashing.
4. Press the **Jog wheel**.
“Executing” will be displayed until Format is finished. Then “Completed” will be displayed.
The PMD580 and display return to stop mode.
5. Press the **STOP/CANCEL** button to cancel.

(U13) Card check

The Card check menu does a sample read/write to check if a CF card has problems.

1. While in stop, press both **MENU/STORE/UTILITY** button and the **SHIFT** button.
2. Turn the **Jog wheel** until “Card Check” is displayed.



3. Press the **Jog wheel**.
The Display switches to “OK?” flashing.
4. Press the **Jog wheel**.
“Executing” will be displayed until Card Check is finished.
Then write speed and read speed will be displayed alternately.
5. Press the **STOP/CANCEL** button to cancel.

(U14) Menu Load

This feature allows you to load the preset data from the CF card to the PMD580.

1. Insert the CF card in which a preset data file is stored.
2. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
3. Turn the **Jog wheel** until “Menu Load” is displayed.



4. Press the **Jog wheel** to enter.
The Display switches to “Upload OK?” flashing.
5. Press the **STOP/CANCEL** button to cancel.
6. Press the **Jog wheel**.
“Executing” will be displayed until Menu load is finished.
Then “Completed” will be displayed.
The PMD580 and display return to stop mode.

(U15) Menu Save

This feature allows you to save preset data in a file named 580preset.cfg.

1. From stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “Menu Save” is displayed.



3. Press the **Jog wheel**.
The Display switches to “Download OK?” flashing.
4. Press the **STOP/CANCEL** button to cancel.
5. Press the **Jog wheel**.
“Executing” will be displayed until Menu Save is finished.
Then “Completed” will be displayed.
The PMD580 and display return to stop mode.

(U16) F/W version

The F/W version menu displays the unit’s firmware version.

1. While in stop, press the **MENU/STORE/UTILITY** button while pressing the **SHIFT** button.
2. Turn the **Jog wheel** until “F/W version” appear in the display.



3. Press the **Jog wheel**.
The Display switches to the firmware version.
4. Press the **STOP/CANCEL** button to cancel.

Network and Operations

■ Network functionality and Operation

The network functionality of the Marantz Professional PMD580 allows you to archive recorded files in a shared folder in the network and provide you with a simple web-based user interface to control the PMD580 over your network.

The PMD580 has following functions.

1. Archive recorded files in a network drive

The PMD580 automatically archive the recorded audio files in a shared folder on a network computer.

See page 39 for S14 Archive menu in system preset settings.

2. Web remote control

The PMD580's internal Web GUI allows any internet ready computer on the network to have control of the PMD580's features. Record features on the front panel and in the preset menu can be controlled by the unit's web remote.

■ How to hook up the PMD580 to your network

Connect the PMD580 to the network using the Ethernet RJ-45 terminal (LAN) on the rear of the PMD580.

You can connect the PMD580 in any of the following ways:

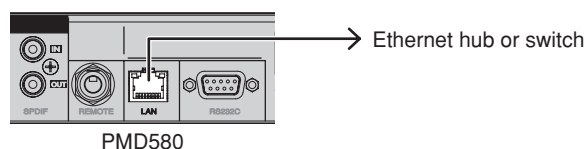
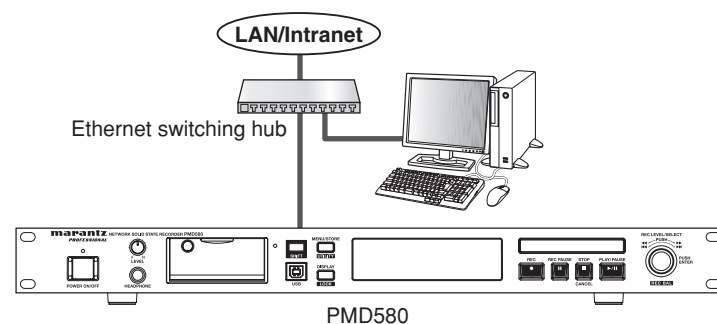
- Through a corporate network
- Through a home network using a router or switch
- Directly to a computer using an Ethernet cross-over cable.

The PMD580 supports the automatic acquisition of IP addresses from a DHCP(Dynamic Host Configuration Protocol) server. More often than not, you can connect your PMD580 to a corporate network or home network in three easy steps:

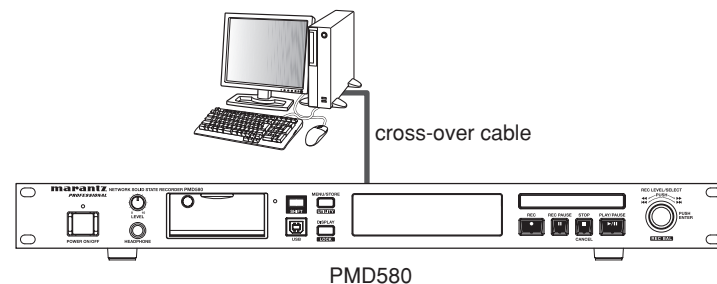
1. Before connecting the PMD580, set the preset setting of "S06 IP Address" to Auto (default).

It means that the PMD580 will attempt to acquire the network settings from a DHCP server in the network.

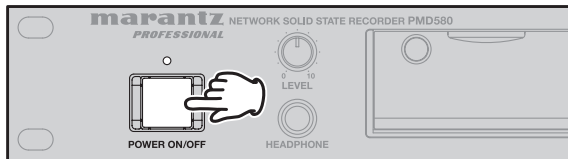
2. Connect a network cable to the Ethernet RJ-45 jack on the rear of the PMD580. And connect the other end of the network cable to an Ethernet hub or switch.



If you are not connected to a network, use a cross-over Ethernet cable to connect the PMD580 directly to your computer.



3. Turn the unit on.



The PMD580 automatically configures its network settings and communications with the network or computer without you having to do anything further.

Notes:

- If you set the system settings of “IP Address” to Auto, use the Show IP menu in the preset settings to find the IP address of the PMD580 that is assigned by a DHCP server automatically.
- If the PMD580 can not find a DHCP server, when the PMD580 is turned power on, it might take time to finish initializing.
- If you assign the network setting manually, at the first you should set the following system settings of the PMD580.
 - IP address
 - Subnet Mask
 - Gateway
 - Set “DNS Server” setting if necessary.

Note:

If you are not familiar with the network environment where you wish to connect your PMD580, please contact your network or IT official or administrator.

■ How to set up a Shared Folder on a Server or a Network Server

[Using the Front Panel]

The PMD580 archives the recorded files in a shared folder of a server or a network server.

- 1.** Create a shared folder on a network server.
- 2.** Turn on the PMD580.
- 3.** Select the Preset menu.
- 4.** Set the archive folder parameters.
 - S15 Archive IP (Archive server IP address)
 - S16 Archive Folder (Archive folder name)
 - S17 Arch UserName (Archive folder user name)
 - S18 Arch Password (Archive folder password)
- 5.** Turn off the PMD580 and on again to reboot.

[Using the Web Remote]

The PMD580 archives the recorded files in a shared folder of a server or a network server.

- 1.** Create a shared folder on a server.
- 2.** Bring up the Web Remote on any network computer. See page 54.
- 3.** Click the System settings button.
- 4.** Type the folder information in each text box.
 - Archive IP (Archive server IP address)
 - Archive Folder (Archive folder name)
 - Arch UserName (Archive folder user name)
 - Arch Password (Archive folder password)
- 5.** Click the **SAVE** button.
- 6.** Turn off the PMD580 and on again to reboot.

For detail of the Web remote, see page 54.

Control Functions

■ Web Remote

The Web Remote controls the unit and configure settings from the computer.
The PMD580 supports common web browsing software applications.

The Web Remote has following pages and functions.

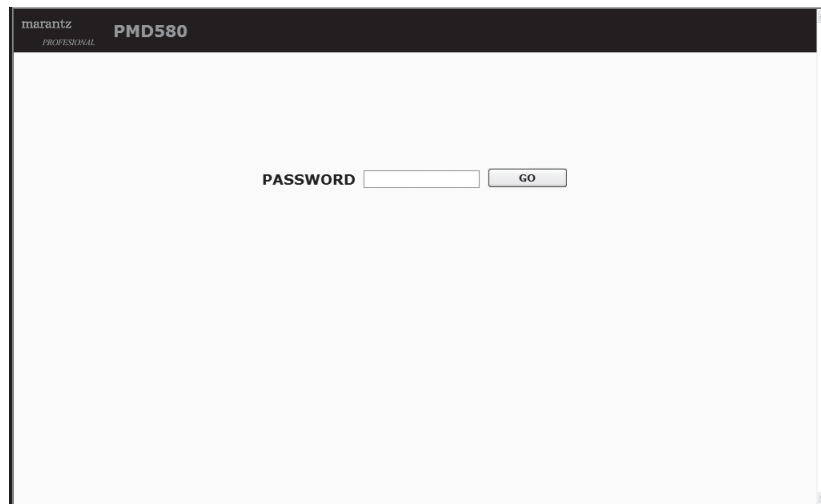
Pages	Functions
Password screen	Type your user name and password.
Main screen	Rec Control and data download.
Setting screen	Preset and Utility
Record Schedule screen	

How to hook up and use this Web Remote.

To connect to the PMD580's web remote, start up the web browser and specify the PMD580's IP address.
(Example address: <http://192.168.0.1/>)
(See page 52 to connect the PMD580 to the network.)

Password screen

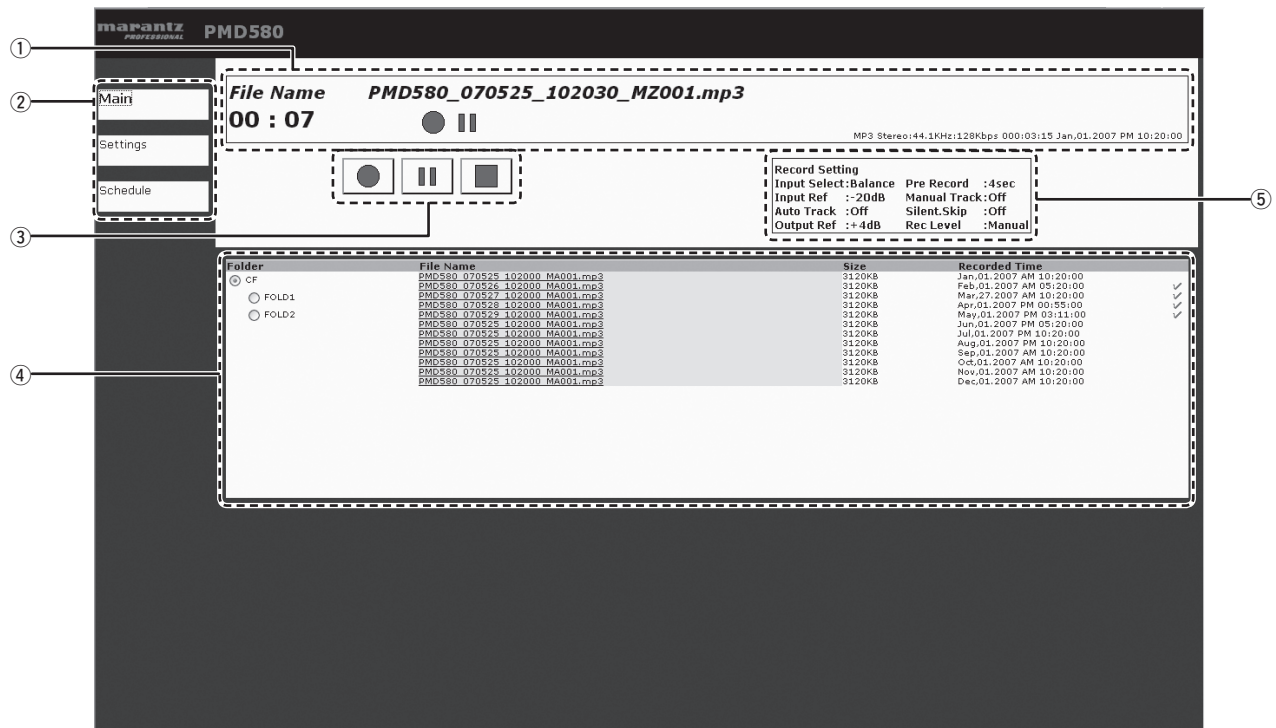
1. Type the password in the PASSWORD text box.
2. Click the GO button.



Note:

Type the S13 Password for the Password.

Main screen



① Status Indicator

The status of the PMD580, file name and the time information is shown in this area.

② Page buttons

The display jumps to the other pages using these buttons.

③ Rec control

REC, **REC-PAUSE** and **STOP** allow you to control the PMD580 in the same way as operating front panel.

④ File List

The list of files in a CF card is shown in this area.

⑤ Record settings

The record format and settings are shown in this area.

Note:

Click the file name you want to save in your computer. A file download dialogue box will appear.

Record Settings

The record settings screen allows you to modify the record settings in the preset menu. Select an item from the list box.

The screenshot displays the 'Record Settings' screen for the Marantz PMD580. The interface includes a left-hand navigation menu with 'Main', 'Settings', and 'Schedule' options. The 'Settings' menu is expanded to show 'Record Settings', 'Play Settings', 'System Settings', and 'Utilities'. The 'Record Settings' screen contains the following settings:

- 1. Input Select: Designate which audio input(s) is/are to be recorded. (Analog Bal)
- 2. Rec Format: Set the desired file format of the recorded audio. Algorithm: PCM (selected) or MP3. PCM settings: Channel: Stereo, Fs: 44.1 KHz, Bit: 16 bit. MP3 settings: Channel: Stereo, Fs: 44.1 KHz, Bit rate: 64 Kbps.
- 3. Pre Record: Set the Pre Record cache time. (2 second(s))
- 4. Input Reference Level: Set the audio reference level for the balanced analog inputs. (-20 dB)
- 5. Manual Track: Turn the Manual Track feature On or Off. When on, pushing the record button during record will make a new file. (On)
- 6. Auto Track: Turn the Auto Track feature On or Off. When on, a new file will be created at the specified time interval. (Off)
- 7. Silent Skip: Silent Skip automatically pauses recording when the input audio drops below the set threshold for the designated amount of time. When audio surpasses the threshold, recording resumes. This is often referred to as voice activated recording. On/Off/Track: Track, Time: 3 second(s), Level: -40 dB.
- 8. Output Reference Level: Set the audio reference level for the balanced analog outputs. (-20 dB)
- 9. Rec Level: Specify how the Record Level will be governed for recording. (Manual)

At the bottom of the screen are three buttons: 'SAVE', 'CANCEL', and 'DEFAULT'.

Buttons and Functions

- **Main** button
The display changes to the main page. Changed settings are not stored.
- **Settings** button
Nothing happens.
- **Schedule** button
The display changes to the Schedule page.
- **Record Settings** button
Nothing happens screen.
- **Play Settings** button
The display changes to the Play Settings page.
- **System Settings** button
The display changes to the System settings page.
- **Utility** button
The display changes to the Utility page.
- **SAVE** button
The changed settings are stored.
- **CANCEL** button
The changed settings are cancelled and returns to the stored value.
- **Default** button
The record settings are cleared and the default values are set.

Playback Settings

The playback settings screen allows you to modify the playback settings in the preset menu. Select an item from the list box.

The screenshot shows the Marantz PMD580 interface. The top bar includes the Marantz logo and 'PMD580'. Below it are tabs for 'Record Settings', 'Play Settings', 'System Settings', and 'Utilities'. A left sidebar contains 'Main', 'Settings', and 'Schedule'. The 'Play Settings' tab is selected, showing five numbered settings with dropdown menus. At the bottom are 'SAVE', 'CANCEL', and 'DEFAULT' buttons.

Buttons and Functions

- **Main** button
The display changes to the main page. Changed settings are not stored.
- **Settings** button
Nothing happens.
- **Schedule** button
The display changes to the Schedule page.
- **Record Settings** button
The display changes to the Rec Settings page.
- **Play Settings** button
Nothing happens.
- **System Settings** button
The display changes to the System settings page.
- **Utility** button
The display changes to the Utility page.
- **SAVE** button
The changed settings are stored.
- **CANCEL** button
The changed settings are cancelled and returns to the stored value.
- **Default** button
The playback settings are cleared and the default values are set.

System Settings

The system settings screen allows you to modify the system settings in the preset menu. Select an item from the list box.

marantz PROFESSIONAL PMD580

Record Settings | Play Settings | **System Settings** | Utilities

Main

Settings

Schedule

Clock Set the hour format of the clock and how the date will be displayed.

1.Date Form MM/DD

2.Time Form 12H

Network Settings Specify the settings for setting the time of the PMD580. If you have your own Network Time Protocol Server specify it here.

3.Machine Name PMD580A00000

4.IP Address

DHCP

192 . 168 . 0 . 100

5.SubnetMask 255 . 255 . 255 . 0

6.DefaultGateway

7.DNS Server

8.Password

Re-Enter Password

NTP Settings Specify the settings for setting the time of the PMD580. If you have your own Network Time Protocol Server specify it here.

9.NTP Server

10.Time Zone 00:00

Archive Settings Set how, when, and where the PMD580 should archive its recorded files.

11.Archive Auto Time PM 10 : 00

12.Archive Server

13.Archive Folder TEST

14.Archive User Name

15.Archive Password

Re-Enter Archive Password

16.Auto Deletion Off

When Auto Deletion is on, the PMD580 will delete previously recorded and archived audio when free space becomes limited. This process is done on a FIFO (First In, First Out) basis.

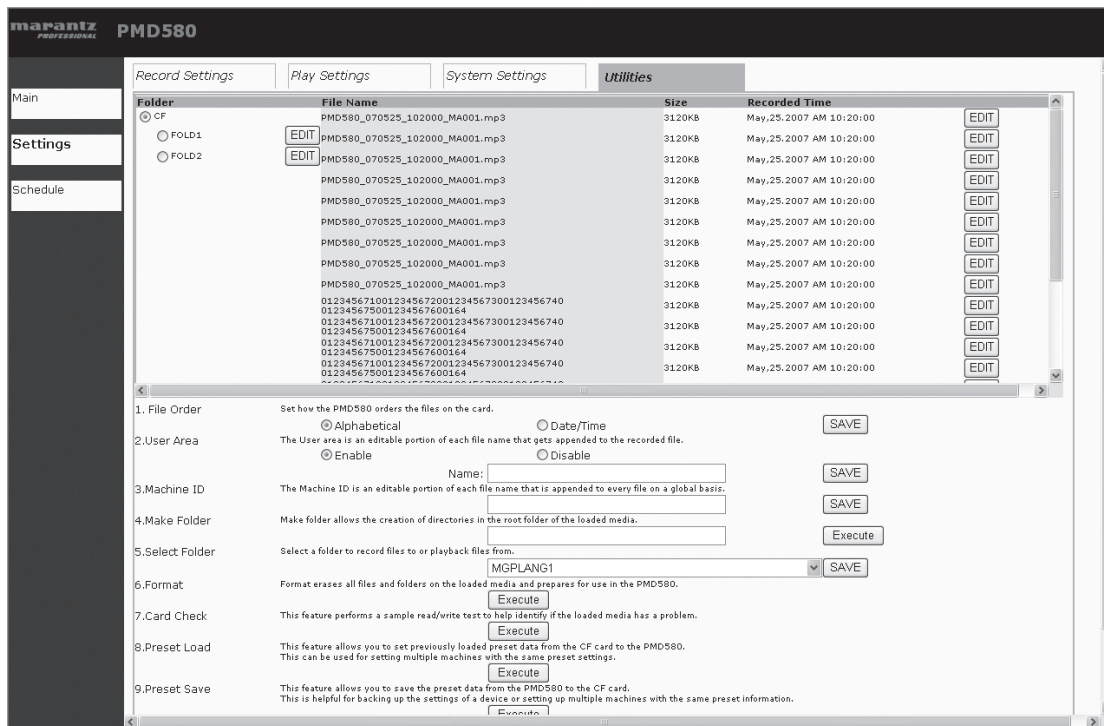
SAVE CANCEL DEFAULT

Buttons and Functions

- **Main** button
The display changes to the main page. Changed settings are not stored.
- **Settings** button
Nothing happens.
- **Schedule** button
The display changes to the Schedule page.
- **Record Settings** button
The display changes to the Rec Settings page.
- **Play Settings** button
The display changes to the Playback settings page.
- **System Settings** button
Nothing happens.
- **Utility** button
The display changes to the Utility page.
- **SAVE** button
The changed settings are stored.
- **CANCEL** button
The changed settings are cancelled and returns to the stored value.
- **Default** button
The system settings are cleared and the default values are set.

Utility Settings

The Utility screen allows you to modify the utility settings in the utility menu.



Buttons and Functions

- **Main** button
The display changes to the main page. Changed settings are not stored.
- **Settings** button
Nothing happens.
- **Schedule** button
The display changes to the Schedule page.
- **Record Settings** button
The display changes to the Rec Settings page.
- **Play Settings** button
The display changes to the Playback settings page.
- **System Settings** button
The display changes to the System setting page.
- **Utility** button
Nothing happens.
- **SAVE** button
The changed settings are stored.
- **CANCEL** button
The changed settings are cancelled and returns to the stored value.
- **Default** button
The utility settings are cleared and the default values are set.
- **Edit** button for Folder menu
The display changes to the Folder Edit page.
- **Edit** button for File menu
The display changes to the file Edit page.
- **Execute** button in Make Folder menu
The PMD580 makes a folder.
- **Execute** button in Format menu
The PMD580 format the CF card.
- **Execute** button in Card check menu
The PMD580 write and read data in the CF card to check the CF card.
- **Execute** button for Preset Load menu
The PMD580 starts the Preset Load function.
- **Execute** button in Preset Save menu
The PMD580 starts the Preset Save function.

Record Schedule

The Record Schedule screen allows you to modify the record schedule.

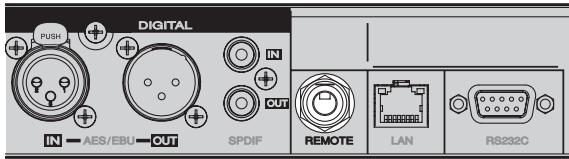
No	Weekly/Day	Schedule	Duration	File Name
1	Weekly	Sun	am 10:00 - am 11:00	01:00 Sunday Rec 2007 05 22
2	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test1 2007 05 22 10000
3	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
4	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
5	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
6	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
7	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
8	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
9	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
10	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
11	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
12	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
13	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
14	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
15	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
16	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
17	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
18	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
19	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
20	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
21	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000
22	Day	Jan.01.2007	am 10:00 - am 11:00	01:00 Test2 2007 05 22 10000

Buttons and Functions

- **Main** button
The display changes to the main page. Changed settings are not stored.
- **Settings** button
Nothing happens.
- **Schedule** button
The display changes to the Schedule page.
- **SAVE** button
The changed settings are stored.
- **Delete** button
The selected schedule data are erased.
- **CANCEL** button
The changed settings are cancelled and returns to the stored value.

■ REMOTE Jack

A connected switch on closing and opening does the following depending on the Remote Menu setting.



Start Pause

Close to start open to pause during recording or playback.

StartPauseTR

Close to start, open to pause during recording or playback. Start after a record pause, continues on the next track.

Manual Track

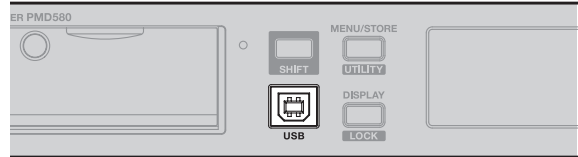
During recording, close to increment the track. A new track is created at that point.

	Start Pause	StartPauseTR	Manual Track
Open → Close	Start	Start	Create a new track
Close → Open	Pause	Pause at next Track	---

■ USB (Universal Serial Bus)

The PMD580 records directly onto your CF cards. Recordings can then be transferred to your desktop or laptop computer by removing the CF card from the PMD580, or by connecting the PMD580 to your computer via the LAN port or the USB port.

Audio recorded in the popular MP3 compression format is directly available for intranet or internet file sharing.



Computer compatible

On your computer you can then:

- log and archive audio files
- play audio files

Save audio files to:

- your hard drive
- a floppy
- a CD-R disc
- post streaming audio files on your web site
- use software and your computer to transcribe digital recordings
- An editing program

How to connect via USB port

The CF card in the PMD580 appears as an external drive on a connected computer.

1. Power up the computer

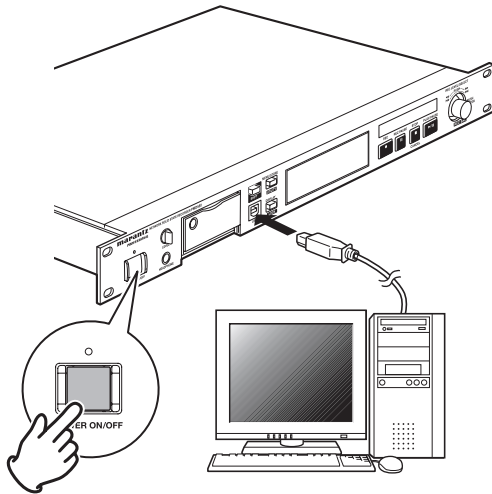
Note:

Check the operating system of your computer.
Windows Me, 2000, XP, Vista., MAC OS 10

2. Insert a CF card.

3. Power up the PMD580.

4. During STOP mode, connect the USB cable attached to the PMD580 and your computer.



- While USB is on, a set screen is displayed.



- No buttons other than the **POWER** button function.
- During USB mode the eject or insert of a CF card is possible, however, there is no guarantee for data in case of ejecting.”
- An archive function stops while the USB is on.
- The CF card in the PMD580 appears as a removable device on your computer.
- The audio files are in a folder that is named MPGLANG1 or a folder you made using the Make Folder function.
- Power off and back on to resume recording or playback on the PMD580.

How to disconnect via USB port

1. Disconnect the cable to the PMD580 and your computer.

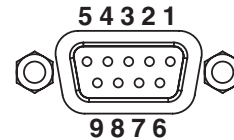
- An archive function resumes if it is set to be active.

Serial Remote Control

Connect a male (D-Sub 9 Pin) to female (D-Sub 9 Pin) straight cable for RS-232C external control by host equipment.

The RS-232C host can control functions of the PMD580 externally.

RS-232C specifications:



Pin	Name
1.	Ground
2.	TxD
3.	RxD
4.	NC
5.	S. Ground
6.	NC
7.	NC
8.	NC
9.	NC

(1) Physical specifications

Baud rate : 9600 bps
Data bits : 8 bit
Parity bit : None
Stop bit : 1 bit
Flow control : None

Notes:

- OK(ACK:06h) or ERR(NACK:15h) is returned for the Control Command.
- The Status information is transmitted automatically when the status is changed.
- For sending Control Command or Status Request Command, wait more than 100ms after reception of a response(OK, ERR or status).

(2) Control Command

You send a command via RS232C from a PC or a jig.

Code	Command		Note
"@02300"+CR	0		
"@02301"+CR	1		
"@02302"+CR	2		
"@02303"+CR	3		
"@02304"+CR	4		
"@02305"+CR	5		
"@02306"+CR	6		
"@02307"+CR	7		
"@02308"+CR	8		
"@02309"+CR	9		
"@02311"+CR	DISPLAY		
"@02312"+CR	Standby		
"@020PW"+CR	PowerON		
"@0RBT"+CR	Reboot		
"@023V"+CR	Rec Volume +		
"@023V-"+CR	Rec Volume -		
"@023BR"+CR	Rec Volume Balance Right		
"@023BL"+CR	Rec Volume Balance Left		
"@02332"+CR	Track Jump ►►		
"@02333"+CR	Track Jump ◀◀		
"@023DJtthhmmssff"+CR	Direct Jump (to ttt hh mm ss ff)		ttt is Track number
"@02348"+CR	PAUSE		
"@023501"+CR	RWD		X10
"@023502"+CR			X60
"@023503"+CR			X600
"@0235001"+CR			Off
"@023521"+CR	FF		X10
"@023522"+CR			X60
"@023523"+CR			X600
"@0235201"+CR			Off
"@02353"+CR	PLAY		
"@02354"+CR	STOP		
"@02355"+CR	Recording		
"@023MT"+CR	M.Track		
"@023MR"+CR	Margin Reset		
"@023KL"+CR	Lock Panel's Key		
"@023KU"+CR	Unlock Panel's Key		
"@0INUB"+CR	Preset: R01	InputSelect	Unbalance
"@0INBA"+CR			Balance
"@0INDI"+CR			Digi-In
"@0INDB"+CR			Digital-Bal

Code	Command		Note
"@0CHST"+CR	Preset: R02	Algo/File	Channel:Stereo
"@0CHML"+CR			Channel:L-Mono
"@0CHMX"+CR			Channel:LR-Mono
"@0AFPM"+CR			File Format:WAV
"@0AFM3"+CR			File Format:MP3
"@0BRXX"+CR			BPS
"@0BIXX"+CR			Bit
"@0FSXX"+CR			FS:44=44.1kHz, 48=48kHz
"@0PRXS"+CR	Preset: R03	PreRec	X (sec)
"@0PR01"+CR			OFF
"@0IF20"+CR	Preset: R04	Input Reference	-20dB
"@0IF+4"+CR			+4dB
"@0MT00"+CR	Preset: R05	M.Track	ON
"@0MT01"+CR			OFF
"@0AT0000"+CR	Preset: R06	A.Track	OFF
"@0AThmm"+CR			Time:hmm
"@0SS00"+CR	Preset: R07	S.SKIP	ON
"@0SS01"+CR			OFF
"@0SS02"+CR			Track
"@0SCXX"+CR			Time
"@0SLXX"+CR			Level
"@0OF20"+CR	Preset: R08	Output Reference	-20dB
"@0OF+4"+CR			+4dB
"@0RLMA"+CR	Preset: R09	Rec Level	Manual
"@0RLAL"+CR			ALC
"@0DOBC"+CR	Preset: P01	Digital Out	Broadcast
"@0DOCS"+CR			Consumer
"@0dFAT"+CR	Preset: P02	Digital Out Fs	AUTO
"@0dF44"+CR			44.1KHz
"@0dF48"+CR			48KHz
"@0PMOF"+CR	Preset: P03	Playmode	OFF (Normal)
"@0PMAL"+CR			ALL
"@0PMAR"+CR			A.REPEAT
"@0PMSP"+CR			Single.PLAY
"@0PMRD"+CR			RANDOM
"@0FMST"+CR	Preset: P04	Finish Mode (Single Mode)	STOP
"@0FMNT"+CR			Next
"@0FMRC"+CR			Recue
"@0AC00"+CR	Preset: P05	Auto Cue	ON
"@0AC01"+CR			OFF
"@0CLXX"+CR			Level
"@0RCSP"+CR	Preset: C01	Remote	StartPause
"@0RCST"+CR			StartPauseTrack
"@0RCMT"+CR			M.Track
"@0DFMD"+CR	Preset: S03	DateForm	MDY
"@0DFDM"+CR			DMY
"@0DFYM"+CR			YMD

Code	Command		Note
"@0TF12"+CR	Preset: S04	Time Form	12h
"@0TF24"+CR			24h
"@0MNxxxxxxxxxxxx"+CR	Preset: S05	Machine Name	xxx:5 to 12 characters
"@0IPxxxxxxxxxxxx"+CR	Preset: S06	IP Address	xxx.xxx.xxx.xxx
"@0SMxxxxxxxxxxxx"+CR	Preset: S08	Sub net mask	xxx.xxx.xxx.xxx
"@0GWxxxxxxxxxxxx"+CR	Preset: S09	Gateway	xxx.xxx.xxx.xxx
"@0DNxxxxxxxxxxxx"+CR	Preset: S10	DNS	xxx.xxx.xxx.xxx
"@0NPxxxxxxxxxxxx"+CR	Preset: S11	NTP Server	xxx.xxx.xxx.xxx
"@0TZxxxxx"+CR	Preset: S12	Time Zone	xxxx:±hhmm
"@0AR01"+CR	Preset: S14	Archive	OFF
"@0ARAT"+CR			AUTO
"@0ARShhmm"+CR			Schedule:hhmm
"@0Alxxxxxxxxxxxx"+CR	Preset: S15	Archive Server IP	xxx.xxx.xxx.xxx
"@0AOxxxxxxxxxxxx"+CR	Preset: S16	Archive Folder	xxx:Max 64 characters
"@0AUxxxxxxxxxxxx"+CR	Preset: S17	Archive User Name	xxx:Max 32 characters
"@0APxxxxxxxxxxxx"+CR	Preset: S18	Archive Password	xxx:5 to 12 characters
"@0ADOF"+CR	Preset: S19	Auto Deletion	OFF
"@0ADxx"+CR			xx hours 1 hour=01 24 hours=24
"@0DESY"+CR	Preset: S20	Preset Default	System Preset
"@0DEPL"+CR			Play Preset
"@0DERE"+CR			Rec Preset
"@0DEFL"+CR			Preset(all)
"@0US00"+CR	Utility: U01	User area	ON
"@0US01"+CR			OFF
"@0UAxxxxxxxxxxxx"+CR			xxx: Max 37 characters
"@0MIxxxxxxx"+CR	Utility: U02	MachineID	xxx:5 to 8 characters
"@0FRAL"+CR	Utility: U03	File Order	Alphabetical
"@0FRDA"+CR			Date/Time
"@0SH00"+CR	Utility: U04	Schedule	ON
"@0SH01"+CR			OFF
"@0SDDAYMMDDhhmmHHMMXXXXXXXXXX"+CR	Utility:U05		Date/Time,xxx:User area (Max 37 characters)
"@0SDWEwwwhhmmHHMMXXXXXXXXXX"+CR			Weekly,xxx:User area (Max 37 characters)
"@0SDDDYMMDDhhmmHHMMXXXXXXXXXX"+CR			Delete Date/Time setting
"@0SDWDwwwhhmmHHMMXXXXXXXXXX"+CR			Delete Weekly setting
"@0SHDL"+CR	Utility: U06		All Delete
"@0MFxxxxxxxxxxxx"+CR	Utility: U07	Make Folder	xxx:1 to 64 characters
"@0SFxxxxxxxxxxxx"+CR	Utility: U08	Select Folder	xxx:1 to 64 characters
"@0RNttt:XXXXXXXXXX"+CR	Utility: U09	Rename File	ttt:Track number
"@0RFxxxxxxxxxx:XXXXXXXXXX"+CR	Utility: U10	Rename Folder	xxx:old, XXX:new (1 to 64 characters)
"@023TEttt"+CR	Utility: U11	Track Erase	ttt:Track number
"@023FOMAT"+CR	Utility: U12	Format	
"@0PVLD"+CR	Utility: U14	Preset Load	
"@0PVSA"+CR	Utility: U15	Preset Save	

(3) Status Information

When status of PMD580 changes, it is transmitted a message automatically to a host. When PMD580 sends a message whenever time information changes, the exchanges of data become too frequent. Therefore, PMD580 sends time information data and presetting value, when requested it.

Status Request command (to PMD580)		Status Information (PMD580)		Note	
Request.	Command	Answer	Command		
Power Mode	"@0?PW"+CR	Power Mode	On	"@0PW00"+CR	
			Off	-	
			Standby	"@0PW01"+CR	
Door Sense	"@0?DS"+CR	Door Sense	Open	"@0DS01"+CR	
			Close	"@0DS00"+CR	
Card	"@0?CD"+CR	Card	No Card	"@0CDNC"+CR	
			Reading	"@0CDRE"+CR	
			Card In	"@0CDCI"+CR	
			Card Error	"@0CDCE"+CR	
			Card 999	"@0CD99"+CR	
			Card Full	"@0CDFL"+CR	
			Blank Card	"@0CDBC"+CR	
Status	"@0?ST"+CR	Status	Din Unlock	"@0STRU"+CR	
			Recording	"@0STRE"+CR	
			RecPause	"@0STRP"+CR	
			STOP	"@0STST"+CR	
			TRACK Select	"@0STTS"+CR	
			Scheduled	"@0STSH"+CR	
			PLAY	"@0STPL"+CR	
			PLAYPAUSE	"@0STPP"+CR	
			SEEK +	"@0STS"+CR	
			SEEK -	"@0STS- "+CR	
			FF	"@0STFF"+CR	
			RWD	"@0STRW"+CR	
			TrackEdit/Preset	"@0STED"+CR	
Operation Error	"@0STER"+CR				
Time Mode	"@0?TM"+CR	Time Mode	RecRemainTime	"@0TMRE"+CR	
			Algo	"@0TMAG"+CR	
			TrackTime (Elapsed Time)	"@0MTT"+CR	
			Current Date	"@0TMCD"+CR	
			Current Time	"@0TMCT"+CR	
			Recorded Time	"@0TMRT"+CR	
			Recorded Data	"@0TMRD"+CR	
			File name	"@0TMFN"+CR	
			TrackRemainTime	"@0TMTR"+CR	
Recorded Channel	"@0TMCH"+CR				
Track Number	"@0?TR"+CR	Track Number	XXX	"@0TRXXX"+CR	
Display Time	"@0?TI"+CR	Display Time	hhmmss	"@0TIhhmmss"+CR	

Status Request command (to PMD580)				Status Information (PMD580)				Note
Request.		Command		Answer		Command		
Volume (Play)		"@0?VM"+CR		Volume (Play)	XXX	"@0VMXXX"+CR		
Rec Volume		"@0?RV"+CR		Rec Volume	LLRR	"@0RVLLRR"+CR		
TotalTrackNumber		"@0?TT"+CR		Number of Total Tracks		"@0TTxxx"+CR		xxx:TotalTrackNumber
Track Name (xxx:TrackNo)		"@0?Tnxxx"+CR		Track Name	NNNNNNN	"@0TnNNNNNNN"+CR		NNN:TrackName
Track Size (xxx:TrackNo)		"@0?Tsxxx"+CR		Track Size	xxxxxxx (byte)	"@0Tsxxxxx"+CR		xxxx:TrackSize(byte)
Folder list		"@0?FL"+CR		Folder Name List	AAAAAAA BBBBBBB	"@0FLAAAAAAA: BBBBBBB"+CR		xxx: Folder Name ; separator between folder names
Preset	R01	InputSelect		"@0?IN"+CR	InputSelect	UNBALANCE	"@0INUB"+CR	
						BALANCE	"@0INBA"+CR	
						Digi-In	"@0INDI"+CR	
						Digi-In Balance	"@0INDB"+CR	
Preset	R02	Algo/File		"@0?AF"+CR	Algo/File	STEREO	"@0CHST"+CR	
						L-MONO	"@0CHML"+CR	
						LR-MONO	"@0CHMX"+CR	
						PCM	"@0AFPM"+CR	
						MP3	"@0AFM3"+CR	
						XXX	"@0BRXXX"+CR	
						XX	"@0BIXX"+CR	16/24bit
	XX	"@0FSXX"+CR	XX: 48KHz=48, 44.10KHz=44, 32KHz=32, 22.10KHz=22 etc					
Preset	R03	PreRec	On/Off	"@0?PR"+CR	PreRec	OFF	"@0PR01"+CR	
						XX (sec)	"@0PRXS"+CR	
Preset	R04	Input Level		"@0?IF"+CR	Input Level	-20dB	"@0IF20"+CR	
						+4dB	"@0IF+4"+CR	
Preset	R05	M.Track		"@0?MT"+CR	M.Track	ON	"@0MT00"+CR	
						OFF	"@0MT01"+CR	
Preset	R06	A.Track	Time	"@0?AT"+CR		XXXX	"@0ATXXXX"+CR	off=0000 1min=0001, 30min=0030 1h=0100, 24h=2400
Preset	R07	S.SKIP		"@0?SS"+CR	S.SKIP	ON	"@0SS00"+CR	
						OFF	"@0SS01"+CR	
						Track	"@0SS02"+CR	
						Time	"@0?SC"+CR	XX
		Level	"@0?SL"+CR	XX	"@0SLXX"+CR			
Preset	R08	Output Level		"@0?OF"+CR	Output Level	-20dB	"@0OF20"+CR	
						+4dB	"@0OF+4"+CR	
Preset	R09	Rec level		"@0?RL"+CR	Rec level	Manual	"@0RLMA"+CR	
						ALC	"@0RLAL"+CR	
Preset	P01	Digital Out		"@0?DO"+CR	Digital Out	Broadcast	"@0DOBC"+CR	
						Consumer	"@0DOCS"+CR	
Preset	P02	Digital Out Fs		"@0?dF"+CR	Digital Out Fs	Auto	"@0dFAT"+CR	
						44.1KHz	"@0dF44"+CR	
						48KHz	"@0dF48"+CR	

Status Request command (to PMD580)				Status Information (PMD580)			Note
Request.		Command	Answer	Command			
Preset	P03	Playmode	"@0?PM"+CR	Playmode	OFF	"@0PMOF"+CR	
					ALL	"@0PMAL"+CR	
					Repeat One	"@0PMAR"+CR	
					S.PLAY	"@0PMSP"+CR	
					RANDOM	"@0PMRD"+CR	
Preset	P04	Finish Mode (Single Mode)	"@0?FM"+CR	Finish Mode (Single Mode)	STOP	"@0FMST"+CR	
					Next	"@0FMNT"+CR	
					Recue	"@0FMRC"+CR	
Preset	P05	Auto Cue	"@0?AC"+CR	Auto Cue	On	"@0AC00"+CR	
					Off	"@0AC01"+CR	
		Level			"@0?CL"+CR	XX	"@0CLXX"+CR
Preset	C01	Remote	"@0?RC"+CR		M.Track	"@0RCMT"+CR	
					StartPause	"@0RCSP"+CR	
					StartPauseTrack	"@0RCST"+CR	
Preset	S03	DateForm	"@0?DF"+CR	DateForm	MDY	"@0DFMD"+CR	
					DMY	"@0DFDM"+CR	
					YMD	"@0DFYM"+CR	
Preset	S04	Time Form	"@0?TF"+CR	Time Form	12H	"@0TF12"+CR	
					24H	"@0TF24"+CR	
Preset	S05	Machine Name	"@0?MN"+CR	Machine Name	xxxxxxxxxxxxx	"@0MNxxxxxxxxxxxxx"+CR	
Preset	S06	IP Address	"@0?IP"+CR	IP Address	xxx.xxx.xxx.xxx	"@0IPxxxxxxxxxxxxx"+CR	@0IP192168000001 (IPAddress=192.168.0.1) @0IPAUTO000000000 (IPAddress=Auto)
Preset	S08	Sub net mask	"@0?SM"+CR	Sub net mask	xxx.xxx.xxx.xxx	"@0SMxxxxxxxxxxxxx"+CR	@0SMDISABLE00000 (IPAddress=Auto)
Preset	S09	Gateway	"@0?GW"+CR	Gateway	xxx.xxx.xxx.xxx	"@0GWxxxxxxxxxxxxx"+CR	@0GWDISABLE00000 (Disable)
Preset	S10	DNS	"@0?DN"+CR	DNS	xxx.xxx.xxx.xxx	"@0DNxxxxxxxxxxxxx"+CR	@0DNDISABLE00000 (Disable)
Preset	S11	NTP Server	"@0?NP"+CR	NTP Server	xxx.xxx.xxx.xxx	"@0NPxxxxxxxxxxxxx"+CR	@0NPDISABLE00000 (Disable)
Preset	S12	Time Zone	"@0?TZ"+CR	Time Zone	XXXXX	"@0TZXXXXX"+CR	
Preset	S14	Archive	"@0?AR"+CR	Archive	OFF	"@0AR01"+CR	
					Auto	"@0ARAT"+CR	
					Scheduled	"@0ARSchmm"+CR	hhmm:ArchiveTime
Preset	S15	Archive Server IP	"@0?AI"+CR	Archive Server IP	xxx.xxx.xxx.xxx	"@0AIxxxxxxxxxxxxx"+CR	
Preset	S16	Archive Folder	"@0?AO"+CR	Archive Folder	XXXXXXXXXXXXX	"@0AOXXXXXXXXXXXXX"+CR	
Preset	S17	Archive User Name	"@0?AU"+CR	Archive User Name	XXXXXXXXXXXXX	"@0AUXXXXXXXXXXXXX"+CR	
Preset	S19	Auto Deletion	"@0?AD"+CR	Auto Deletion	OFF	"@0ADOF"+CR	
					1 / 3 / 6 / 12 / 24 hours	"@0ADOF"+CR	xx hours 1 hour=01 24 hours=24
Preset		PresetAll	"@0?PA"+CR	PresetAll			

Status Request command (to PMD580)				Status Information (PMD580)			Note	
Request.			Command	Answer		Command		
Utility	U01	User area	ON/Off	"@0?US"+CR	User area	ON	"@0US00"+CR	
			XXXXXXXXXXXXXXXXXXXX	"@0?UA"+CR		OFF	"@0US01"+CR	
			XXXXXXXXXXXXXXXXXXXX	"@0?UA"+CR		XXXXXXXXXXXXXXXXXXXX	"@0UAXXXXXXXXXXXXXXXXXXXX"+CR	
Utility	U02	MachineID	XXXXXXXXXXXXXXXXXXXX	"@0?MI"+CR	MachineID	xxxxxxx	"@0MIxxxxxxx"+CR	
Utility	U03	File Order		"@0?FR"+CR	File Order	Date/Time	"@0FRDA"+CR	
						Alphabetical	"@0FRAL"+CR	
Utility	U04	Schedule		"@0?SH"+CR	Schedule	ON	"@0SH00"+CR	
						OFF	"@0SH01"+CR	
	U05	Data	"@0?SD"+CR	Schedule Data	Date/Time	"@0SDDAYMMDDhhmmHHMMXXXXXXXXXX"+CR	@ between data blocks	
						weekly	"@0SDWEwwwwhmmHHMMX XXXXXXXXXX"+CR	
Utility	U08	Select Folder		"@0?SF"+CR	Select Folder	XXXXXXXXXXXX	"@0SFXXXXXXXXXXXX"+CR	
Utility	U13	Card Cheak		"@0?CK"+CR	Card Cheak	XX.XXX (MB/S)	"@0CKXXXXX"+CR	
Utility	U16	Version		"@0?VN"+CR	Version	xxxx	"@0VNxxxx"+CR	

Recording time chart

All times are approximated record times.

Different media manufacturers allow more or less space for error correction and the like on their respective products.

Rec Format	Sampling Rate	Channel	Bitrates	Redording Time (hour:minute)		
				256MB	1GB	4GB
PCM-16	44.1KHz	Stereo	1411 kbps	0 : 24	1 : 36	6 : 24
		Mono	705.5 kbps	0 : 48	3 : 12	12 : 48
	48KHz	Stereo	1536 kbps	0 : 22	1 : 28	5 : 52
		Mono	768 kbps	0 : 44	2 : 56	11 : 44
PCM-24	44.1KHz	Stereo	2117 kbps	0 : 16	1 : 04	4 : 16
		Mono	1058.5 kbps	0 : 32	2 : 08	8 : 32
	48KHz	Stereo	2304 kbps	0 : 14	0 : 56	3 : 44
		Mono	1152 kbps	0 : 28	1 : 52	7 : 28
MP3		Stereo	320 kbps	1 : 46	7 : 06	28 : 22
		Mono	160 kbps	3 : 32	14 : 12	56 : 45
		Stereo	256 kbps	2 : 13	8 : 52	35 : 28
		Mono	128 kbps	4 : 26	17 : 44	70 : 56
		Stereo	192 kbps	2 : 57	11 : 48	47 : 12
		Mono	96 kbps	5 : 54	23 : 36	94 : 24
		Stereo	128 kbps	4 : 26	17 : 44	70 : 56
		Mono	64 kbps	8 : 52	35 : 28	141 : 52
		Stereo	64 kbps	8 : 52	35 : 28	141 : 52
		Mono	32 kbps	17 : 44	70 : 56	283 : 44

Troubleshooting

Should problems occur, it is often unnecessary to consult your dealer or technical service department. On the basis of the following checks, you may be able to rectify a number of conditions yourself without difficulty. If the condition cannot be remedied after the following check, please consult your dealer.

The PMD580 does not turn on.

- Check AC power cord connections.

The PMD580 seems to record, but there is no sound on playback.

- Check input settings.
(For example, if LINE input is selected and no input is connected to the LINE IN jack, the PMD580 will record silence. The PMD580 will not playback.)

There is no audio playback through headphones.

- Check Level control setting.
- Check a different track or CF

The PMD580 will not record.

- Check that the maximum of 999 tracks have not been recorded.
- Check that the PMD580 acknowledges the CF card.

There is excessive noise on the PMD580.

- Check cable connections and/or replace cable.
- Check for proper gain levels.

Playback on a PC results in poor sound.

- Check quality of PC sound card and program.
- Check frequency conversion program.*
* The PMD580 records audio files with a sampling frequency of 48kHz. Some PC programs convert the files to 44.1kHz (using a sample rate converter). Only high quality sample rate converters should be used.

PC cannot read files

- Check the capability of the PC program. Some playback and editing programs do not support MP3 or Broadcast Wave (.wav) formats.

If the PMD580 exhibits erratic behaviour, the microprocessor can be reset by powering off, disconnecting AC power and removing batteries.

Network is not working

- Check the network cable is plugged in on both the PMD580 and the network.
- Ensure that you have selected the correct network type.

IP address cannot be obtained

- Check that there is a server or a device that works as a DHCP server.

Care and Maintenance

Use a soft cloth slightly moistened with mild detergent solution.

Media cards that are heavily used should be occasionally reformatted to avoid audio problems due to fragmentation.

Specifications

Digital Audio System

System..... Solid State Recorder
Usable MediaCF memory cards, Microdrive cards
Recording and media methods
MP3MPEG1 Layer III compression
WAV 16/24 bit linear PCM
Recording MP3 bit rate (selectable)
Mono 160, 128, 96, 64, 32 kbps
Stereo 320, 256, 192, 128, 64 kbps
Sampling frequency 44.1, 48 kHz
Number of channels2 (stereo), 1 (mono)
Audio Frequency response 10 to 20,000Hz \pm 1.0 dB
Signal-to-Noise Ratio IEC-A weighted.....91 dB
Total Harmonic Distortion at 0 VU (PCM) 0.01 %
Dynamic Range.....94 dB

Inputs

Balanced Input
Type..... XLR (1:GND, 2:HOT, 3:COLD)
Input Sensitivity +4 dBu /-20 dBu /24 kohms

Unbalanced Input
Type..... RCA jack
Input Sensitivity500 mVrms /22 kohms

UNBALANCED DIGITAL IN
Type..... RCA jack
Input impedance75 ohms
Standard input level0.5 Vp-p
Sampling frequency 44.1 /48 kHz
Format AES/EBU or SPDIF (IEC 958 Type II)

Balanced Digital Input
Type..... XLR (1:GND, 2:HOT, 3:COLD)
Sampling frequency 44.1 /48 kHz
Format AES/EBU or SPDIF (IEC 958 Type II)

Outputs

Balanced output
Type..... XLR (1:GND, 2:HOT, 3:COLD)
Level..... +18 dBu (+4dBu reference) /600 ohms

Unbalanced output
Type..... RCA jack
Standard level 2 Vrms (+4dBu reference) /10 kohms

Balanced Digital output
Type..... XLR (1:GND, 2:HOT, 3:COLD)
Output impedance 110 ohms
Standard output level3.5 Vp-p
FormatAES/EBU or SPDIF (IEC 958 Type II) selectable

Unbalanced Digital output
Type..... RCA jack
Output impedance75 ohms
Standard output level0.5 Vp-p
Sampling frequency 44.1/48 kHz
Format AES/EBU or SPDIF (IEC 958 Type II)

LAN Interface

Format 10Base-T/100Base-TX
Transmission rate 10/100 Mbps
Connector..... 8pin RJ-45

General

Power requirements
US model.....AC120 V 60 Hz
European model.....AC100 - 240 V 50/60 Hz
Power consumption..... 26 W
Environmental conditions
Operational temperature 5 - 35 °C (41 - 95 °F)
Operational humidity 25 - 85 %, no condensating
Storage temperature-20 - 60 °C (-4 - 140 °F)
Headphone Output power..... 18 mW+18 mW /32 ohms

Dimensions

Width 483 mm (19.0")
Height..... 52 mm (2.0")
Depth..... 344 mm (13.5")
Weight 3.7 kg (8.2 lbs)

Included accessories

Power cord (for US)..... 1
Power cord (for Europe) 2
USB cable 1
Audio cable 2
CF door Screw..... 2
Retainer 1
User Guide 1
CD-ROM 1
Customer Registration Document (only for US) 1

- Specifications are subject to change without notice.

Limited Warranty

Your Marantz Professional product is warranted against manufacturer defects in material and workmanship for a period of one year parts and labor.

Except as specified below, this warranty covers defects in material and workmanship. The following are not covered under warranty:

1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
 - a) Accidents, acts of nature, misuse, abuse, neglect or unauthorized product modification.
 - b) Improper installation, removal or maintenance, or failure to follow supplied instructions.
 - c) Repair or attempted repair by a non-Marantz authorized agent.
 - d) Any shipment (claims must be presented to the carrier).
 - e) Any cause other than a defect of manufacturing.
2. Cleaning, check-ups with no fault found or changes incurred for installation, removal or reinstallation of the product.
3. Any serialized product on which the serial number has been defaced, modified or removed.
4. Batteries and battery chargers.
5. Accessories, including but not limited to: cables, mounting hardware and brackets, cleaning accessories, power cords and adapters, and carry cases.

Non-transferable warranty

This Warranty may be enforced only by the original purchaser.

What We Will Pay For

We will pay for all labor and material expenses for items covered by the warranty.

How You Can Get Service (Americas only)

1. If your unit needs service in the USA, contact our service referral at the appropriate telephone number indicated below. We will advise you of the name and location of one or more authorized service centers from which service may be obtained. Please do not return the unit directly to us.
2. You must pay any shipping charges if it is necessary to ship the product for service. If the necessary repairs are covered by the warranty, we will pay return shipping charges to your location anywhere in the United States or its territories.
3. Whenever warranty service is required, you must present the original dated sales receipt or other proof of date purchased.

Limitation of Implied Warranties

All implied warranties, including warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this warranty.

Exclusion of Damages (Americas only)

Liability for any defective product is limited to repair or replacement of the product at manufacturer's option.

Manufacturer shall not be liable for damage to other products caused by any defects in Marantz products, damages based on inconvenience or loss of use of the product, or any other damages, whether incidental, consequential, or otherwise.

Some States do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

How State Law Relates to the Warranty (Americas only)

This warranty gives you specific legal rights, and you may have other rights which may vary from State to State.

Marantz Professional Service Number (Americas only):

Marantz Professional Factory Service (630) 741-0330, toll free within the US (866) 405-2154.

Products purchased outside of the United States, its possessions or territories.

This warranty is enforceable only in the United States and its possessions or territories.

Marantz Professional products Sales Office Site:

For inquiries or information on repair service of Marantz Professional Products, please contact our Sales Office or Tech Support Centre near you which are listed in D&M Professional website below.

AMERICA

D&M Professional America <http://www.d-mpro.com>
Service number : 866-405-2154 (Toll Free)

EUROPE

D&M Professional Europe <http://www.d-mpro.eu.com>

ASIA / OTHERS

D&M Professional Asia <http://www.d-mproasia.com>

D&M Holdings Inc.
PROFESSIONAL BUSINESS COMPANY

