

Operating Manual



MVF-2132 Multi-Voice File



interM

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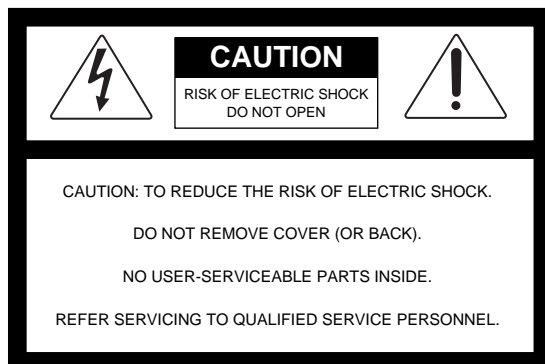
Welcome

A personal welcome to you from the management and employees of Inter-M

All of the co-workers here at Inter-M are dedicated to providing excellent products with inherently good value, and we are delighted you have purchased one of our products.

We sincerely trust this product will provide years of satisfactory service, but if anything is not to your complete satisfaction, we will endeavor to make things right.

Welcome to Inter-M, and thank you for becoming part of our worldwide extended family!



WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

*Do not install this equipment in a confined space such as a book case or similar unit.

*The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

*Worded: "WARNING FOR YOUR PROTECTION PLEASE READ THE FOLLOWING-WATER AND MOISTURE: Unit should not be used near water (e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings."



This symbol 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.



This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

Caution: To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

Attentions: Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans en laisser aucune partie à découvert.

Unpacking

Please take a few minutes to read this manual to familiarize yourself with the important information regarding installation, product features, and operation.

As with most electronic devices, ORIGINAL PACKAGING (OR EQUAL) IS REQUIRED in the unlikely event that the product needs to be returned for servicing.

Short Form Instructions

1. Do not connect the AC power until step 5.
2. Connect the OUTPUT to an Inter-M Weekly Program Timer or other appropriate device.
3. Connect the Serial port or Remote connector to an Inter-M Weekly Program Timer or other appropriate device.
4. Connect any external sources to be used with the system (Microphone, CD Player, Cassette Deck, or other signal source).
5. Attach the supplied power cord to the unit and to an appropriate AC power source. There is no power switch so the unit remains powered at all times, although the unit may receive its power from the timer-controlled switched outlet on the Inter-M Weekly Timer.
6. Select the desired file using the REW or FF buttons, then press play to listen to the file.
7. Incorporate the remaining functions and capabilities of the unit as appropriate.

Installation

Environment

Never place this product in an environment which could alter its performance or reduce its service life. Such environments usually include high levels of heat, dust, moisture, and vibration.

Important Safety Instructions

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 manufacturer'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.



Description

This unit is a single rack space MP3 digital format audio signal storage device, and typically is used for storage and playback of voice messages, but it also may be used for storage and playback of music segments or warning tones or signals.

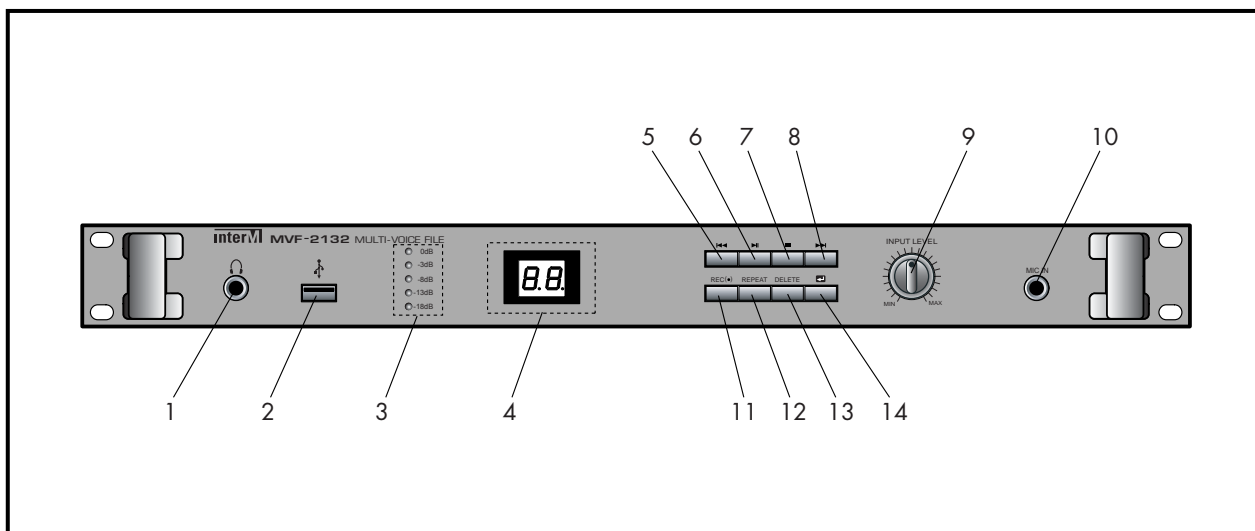
Features

- MP3 128Kbps (CD digital sound quality)
- 32Mbyte internal memory for up to 30 minutes playback
- 256Mbyte memory capability via external memory expansion devices
- USB V1.1 compatible for MP3 file transfers with computers
- Comprehensive front panel alphanumeric status indicators
- Inputs provided for connection with a microphone, compact disk, or other line-level auxiliary device

Accessories

One detachable AC power cord is provided for use with this product.

Front Panel



1. HEADPHONE OUTPUT JACK

Headphones can be connected to this jack to monitor the sound during record or playback modes.

2. USB PORT

This provides a convenient interface with computers to facilitate MP3 file transfers. Windows 2000 ready, Windows 98 compatible by downloading software from Inter-M.com (Length of USB Cable: MAX 2m)

3. DUAL FUNCTION LEVEL INDICATOR

While recording the meter shows the Input signal level. During Playback the meter shows the Output signal level.

4. DISPLAY SCREEN

This displays the status of operational modes and selection numbers of the recorded audio in real-time.

5. REWIND BUTTON

Depressing this button decrements the file selection number (selects a file with a lower number).

6. PLAY BUTTON

Depressing this button one time will cause the unit to PLAY the voice or music selection. Depressing this button a second time will PAUSE the unit.

7. STOP BUTTON

Depressing this button will cause the unit to discontinue Play or Record operations.

8. FAST FORWARD BUTTON

Depressing this button increments the file selection number (selects a file with a higher number).

9. INPUT LEVEL CONTROL

The position of this control knob determines the strength of the input signal while recording (amplitude is shown on the LED level indicator bar graph). Turning the knob clockwise will increase the level, turning it counter-clockwise will decrease the level.

10. MICROPHONE INPUT

The input accepts a 1/4" balanced (or unbalanced) microphone (for recording a voice message).

11. RECORD BUTTON

Depressing this button one time will cause the unit to enter REC mode. The REC status will be shown in the display. To start recording the voice and sound sources from CD Player, Deck, tuner, etc press REC button. Press STOP button to stop it or when the recording is done.

12. REPEAT BUTTON

Depressing this button one time will replay the current file continuously. Depressing this button two times will replay files continuously. Depressing this button three times will cause the unit to STOP after playing the current file.

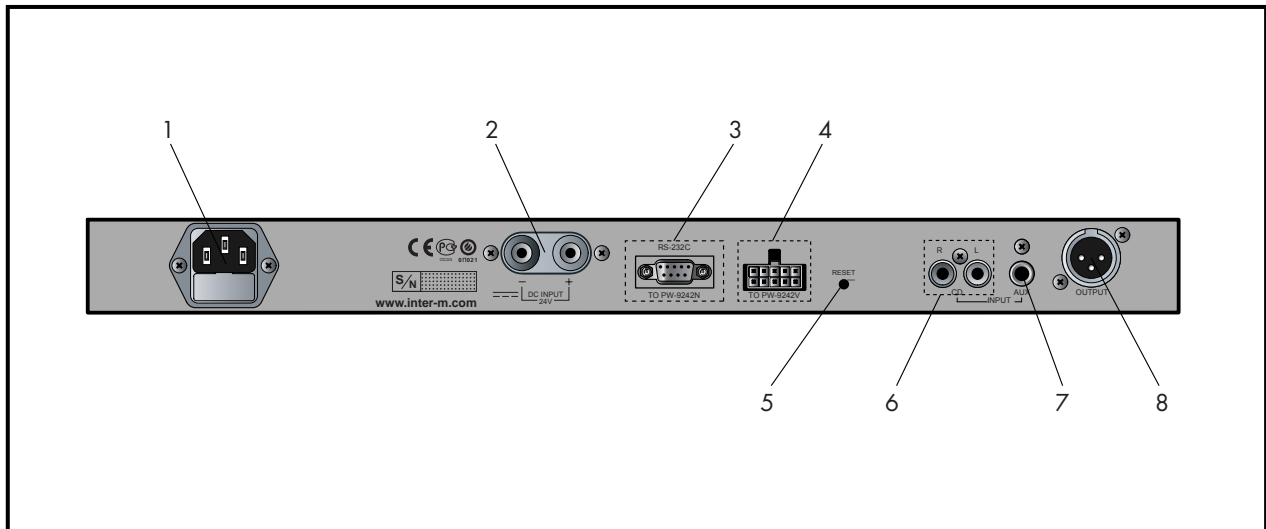
13. DELETE BUTTON

Depressing this button one time will delete the selected MP3 file stored in memory. To delete the file, press DELETE button, and select the file No. by using the rewind or fast forward button, then press the Enter button to complete the deletion. To cancel it, press STOP button.

14. ENTER BUTTON

This button is used in conjunction with the DELETE button to remove files from memory.

Rear Panel



1. AC MAIN INPUT

This receptacle permits connection of the unit to an appropriate AC power source, using the universal AC power cord provided with the unit.

2. DC MAIN INPUT

This 24VDC input is for connection to DC Mains. This alternate power source is commonly used in applications requiring emergency backup power.

3. SERIAL PORT

This provides an RS-232C interface for connecting this unit to the Inter-M PW-9242N weekly program timer.

4. REMOTE CONTROL PORT

This provides a means of connecting this unit to the Inter-M PW-9242V weekly program timer.

5. RESET

Depressing this button will reboot the internal CPU to clear related errors or malfunctions.

6. CD INPUT

This input accepts a Compact Disk player (or other unbalanced line-level source) for the purpose of recording (storing) an audio program signal.

7. AUX INPUT

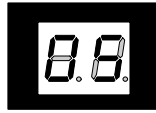
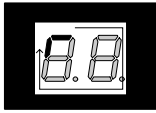
This input accepts a cassette deck (or other unbalanced line-level source) for the purpose of recording (storing) an audio program signal.

8. OUTPUT

This Output connects to a paging system (or sound system) that will broadcast the selected audio program signal(s).

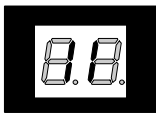
Display Legend

- PLAY



Display segments will illuminate sequentially around the perimeter of the display alternating with a display of file number.

- PAUSE



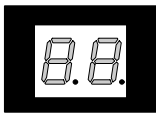
Illuminated display segments will appear stationary in this position.

- REW/FF



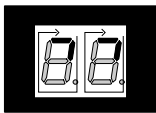
The selected audio program file number will appear.

- STOP



Two red lighted dots will flash.

- RECORDING



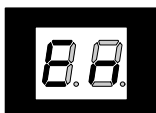
Display segments will illuminate sequentially around each alphanumeric section of the display.

- DELETE DISPLAY



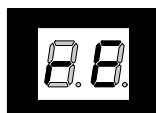
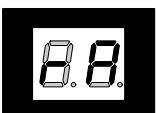
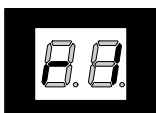
The letters "dE" will appear indicating the DELETE button has been depressed.

- ENTER



The letters "En" will appear indicating the ENTER button has been depressed.

- REPEAT



"r1" indicates that the REPEAT button has been depressed one time. "rA" indicates that the REPEAT button has been depressed two times. "rE" indicates that the REPEAT button has been depressed three times.

Connections

- System Interconnect

Inter-M products are wired to reflect accepted wiring practices used throughout the world.

Balanced XLR connectors are wired as described:

Pin 1 is Ground

Pin 2 is Positive

Pin 3 is Common

Balanced 1/4" TRS connectors are wired as described:

Tip is Positive

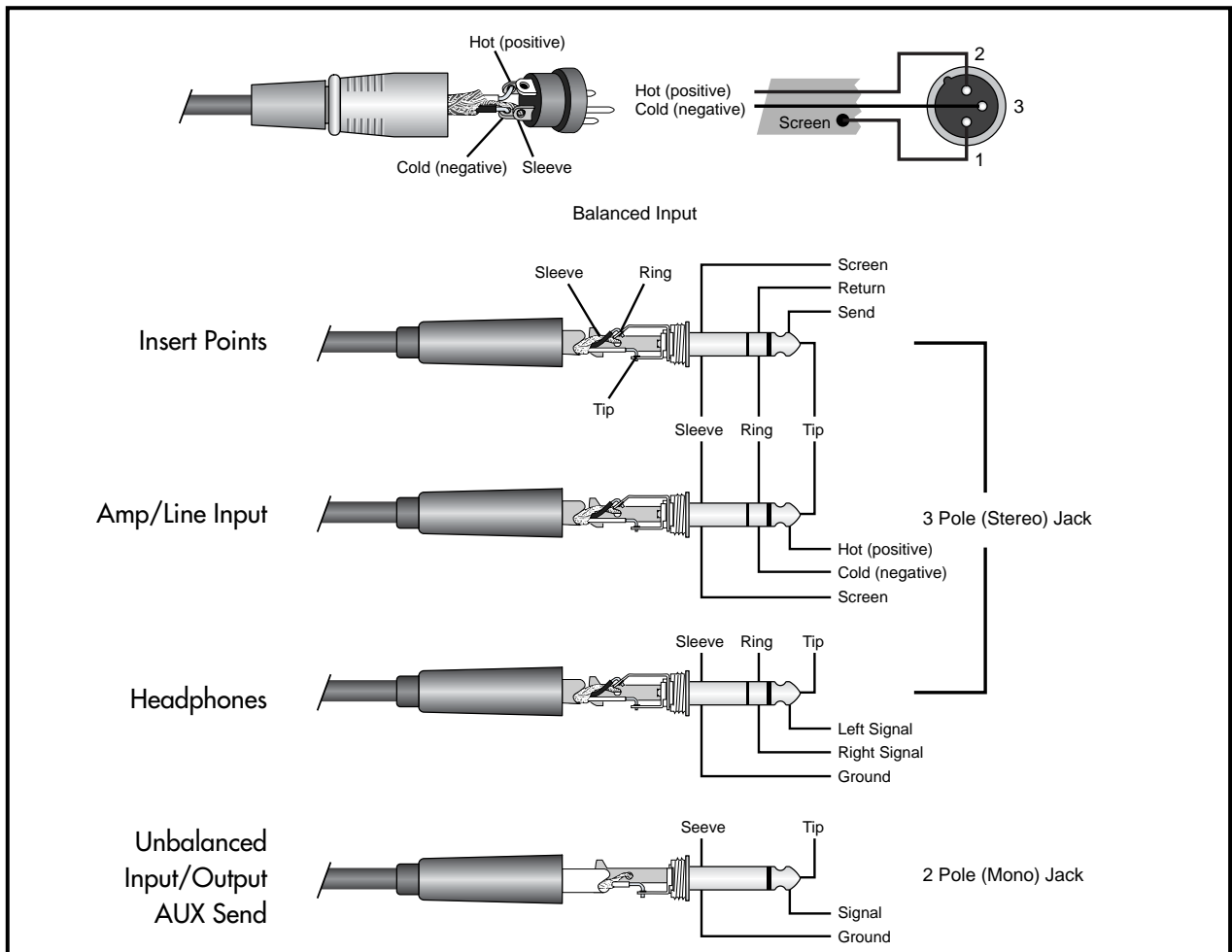
Ring is Common

Sleeve is Shield

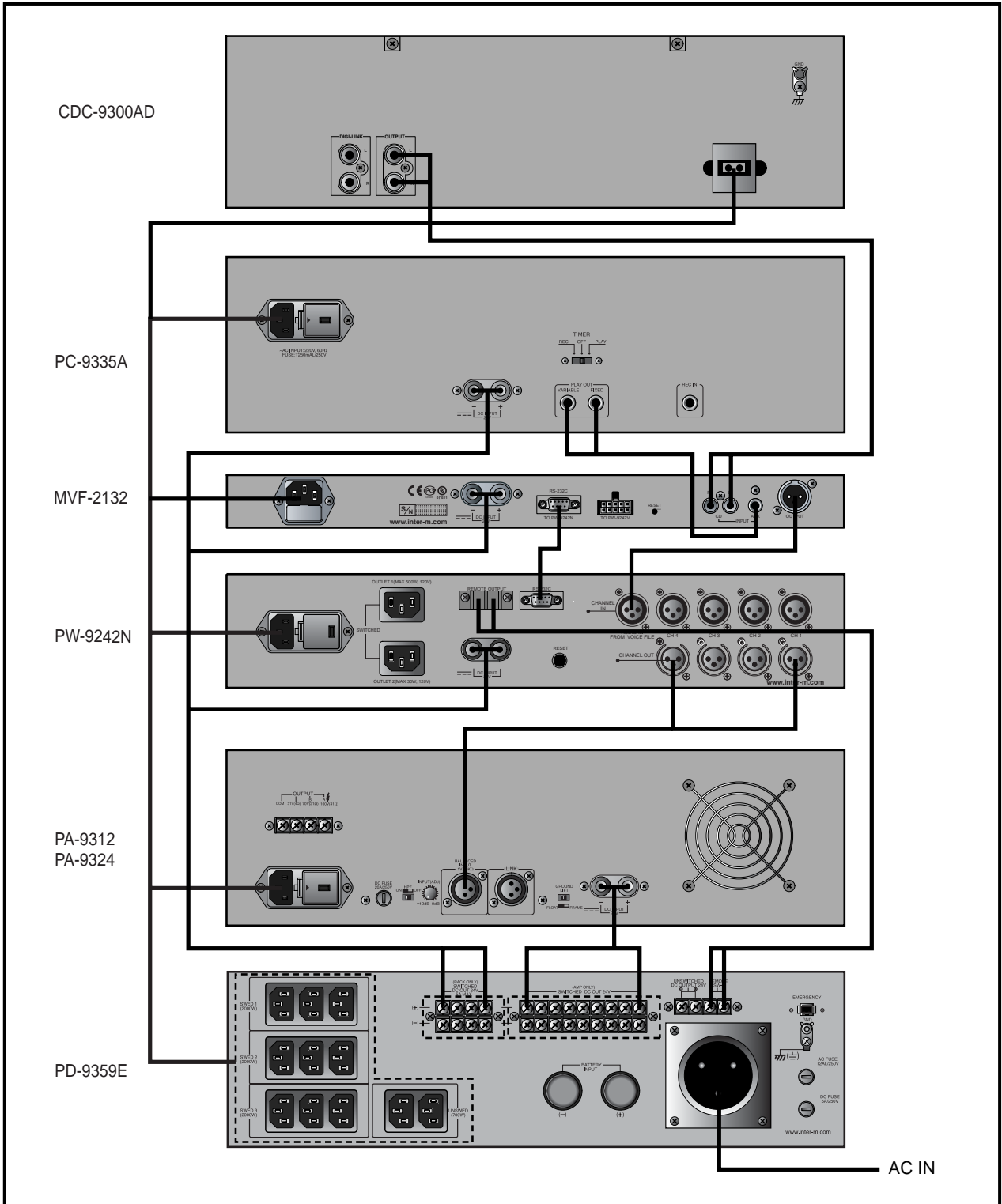
Unbalanced RCA connectors are wired as described:

Tip is Positive

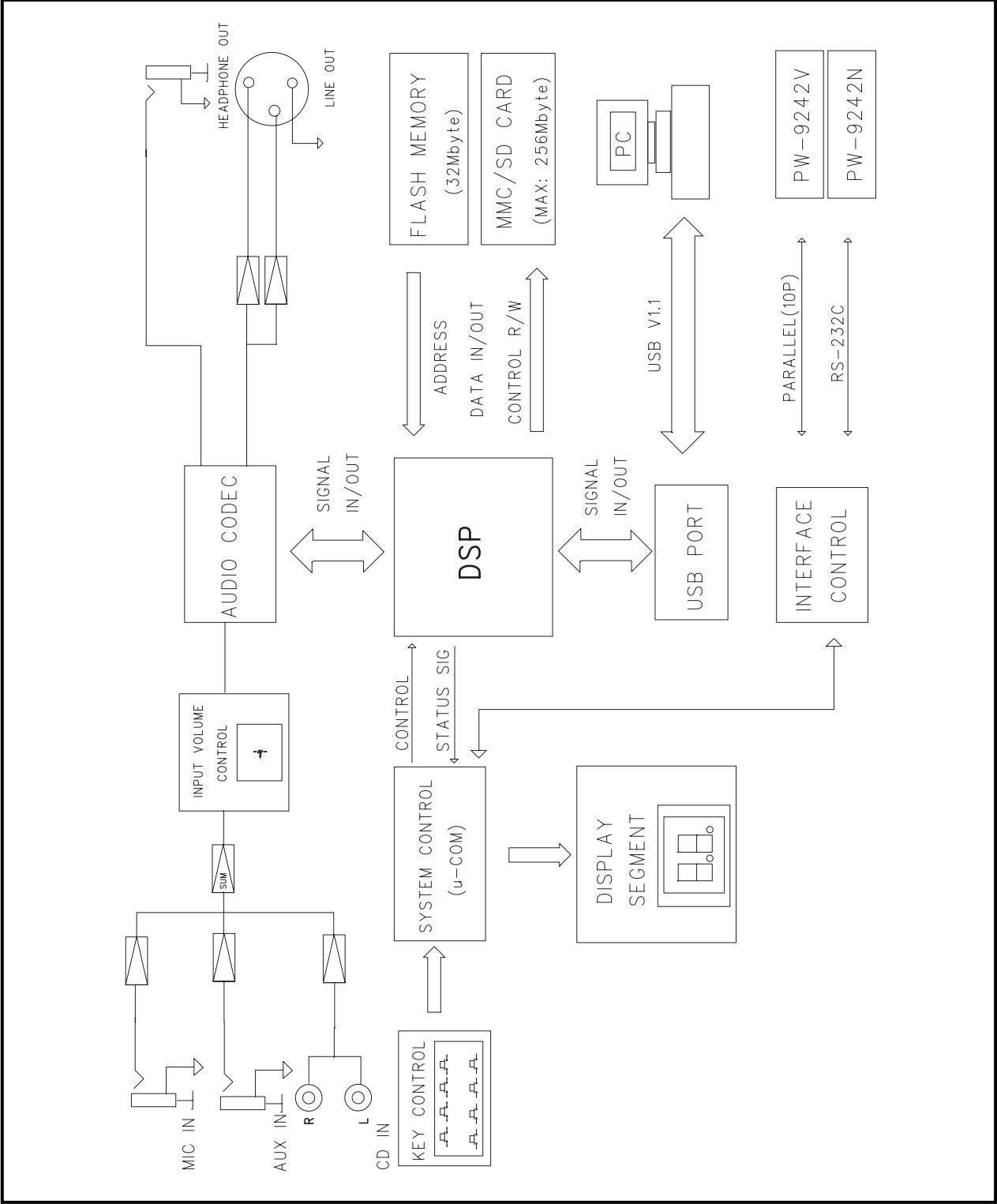
Sleeve is Common



Applications



Block Diagram



Specifications

- ELECTRICAL

Communication Method.....	RS-232C
Rated Output (1 kHz)	
Output (Balanced).....	1V/2k Ω
Head Phone Output (1 kHz).....	318mV/47k
Input Sensitivity/Impedance	
MIC INPUT (Balanced).....	3mV/47k Ω
AUX INPUT.....	318mV/47k Ω
CD INPUT.....	1V/47k Ω
Frequency Response (Output at rated ± 3 dB)	
AUX INPUT.....	80Hz-15kHz
CD INPUT.....	80Hz-15kHz
Residual Noise (20kHz LPF).....	1 mV/2k Ω

- GENERAL

Power Source.....	AC 100V/120V/230V/240V, 50/60Hz
Power Consumption.....	12W
Weight.....	3.5kg
Dimensions.....	482mm/19in(W)x44mm/1.75in(H)x280mm/11in(D)

* Specifications and design subject to change without notice.

Service

Procedures

Ensure the problem is not related to operator error, or system devices that are external to this unit. Information provided in the troubleshooting portion of this manual may help with this process. Once it is certain that the problem is related to the product contact your warranty provider as described in the warranty section of this manual.

Schematic

A Schematic is available by contacting your warranty provider.

Parts List

A Parts List is available by contacting your warranty provider.

Variations and Options

Variations

Products supplied through legitimate sources are compatible with local AC power requirements.

Options

No optional items are available for this product.

Warranty

Warranty terms and conditions vary by country and may not be the same for all products. Terms and conditions of warranty for a given product may be determined first by locating the appropriate country which the product was purchased in, then by locating the product type.

To obtain specific warranty information and available service locations contact Inter-M directly(in Korea or the USA) or the authorized Inter-M Distributor for your specific country or region.



Inter-M, Ltd. (Korea) began operations in 1983.

Since then, Inter-M has grown to become one of the largest manufacturers of professional audio and commercial sound electronics equipment in the world.

Inter-M has gained worldwide recognition for its own branded products, as well as private label manufacturing of electronics sold under other names (OEM).

The company is no longer just a Korean company, but rather a global company that is truly international in scope, with factories and offices in Korea and China, and sales and marketing operations located in Japan, Europe, and the U.S.A.

With more than 850 employees around the globe, Inter-M is well-poised for further growth and expansion.

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