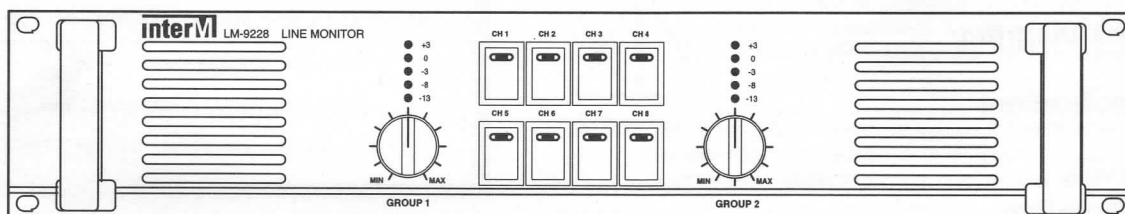


Operating Manual

LM-9228 Line Monitor



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

	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.		

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.



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.

Attention: 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.

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. Follow all instructions.
3. Keep all warnings.
4. Do not use this apparatus near water.
5. Clean only with a damp cloth.
6. Do not block any of the ventilation openings.
7. 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 is provided for your safety. When 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. Use only the attachments/accessories specified by the manufacturer.
12. Use only with a 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.



Features

- **LED LEVEL METER**

It is easy to check the input level of power amp by LED Level Meter

- **MONITORING 8 INPUT OF AMP LEVEL**

8 mixer output signals are visible, 2 signals can be monitored simultaneously because they are linked in 2 groups("1" group and "2" group).

- **VOLUME CONTROL FOR MONITOR**

Volume control is available in order to adjust the desired volume.

- **USING HIGH QUALITY SPEAKER**

By using high quality speaker, the input signal can be checked in clear and full sound.

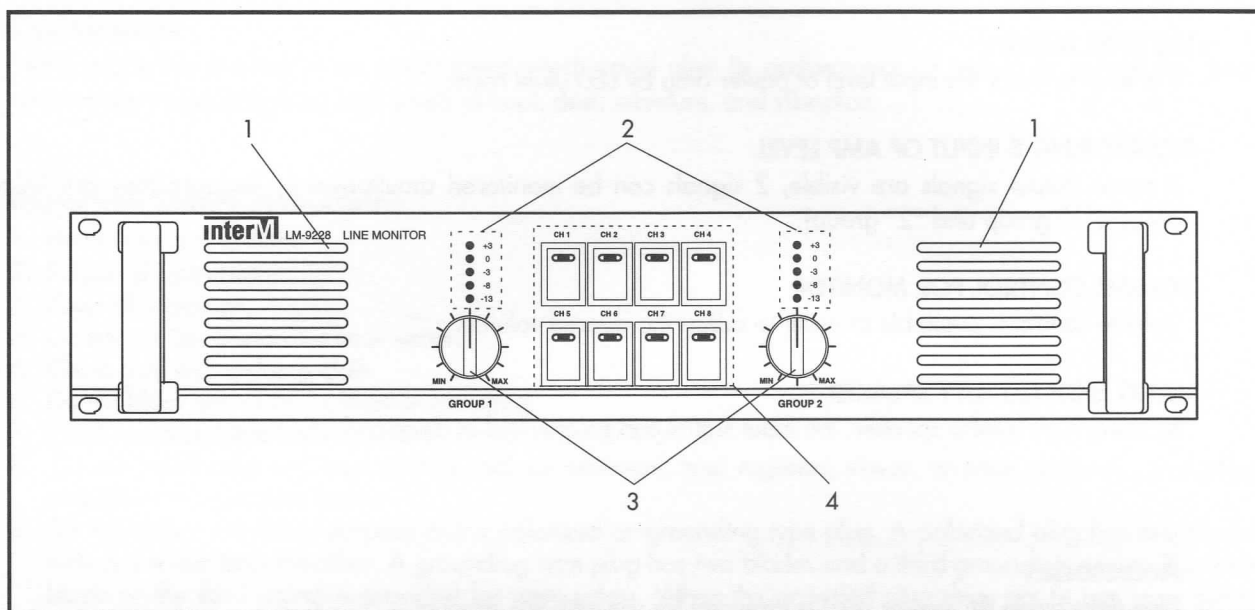
Accessories

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

Operation

1. This unit starts working as power is on.
2. Push the switch of desired channel to check, and adjust the volume, then starts monitoring the loudness and tone.

Front Panel



1. MONITOR SPEAKER

It's being able to monitor a chosen signal by channel selector aurally. It's controlled by channel volume..

2. LED LEVEL METER

It can show signal level that is selected by channel selector visually

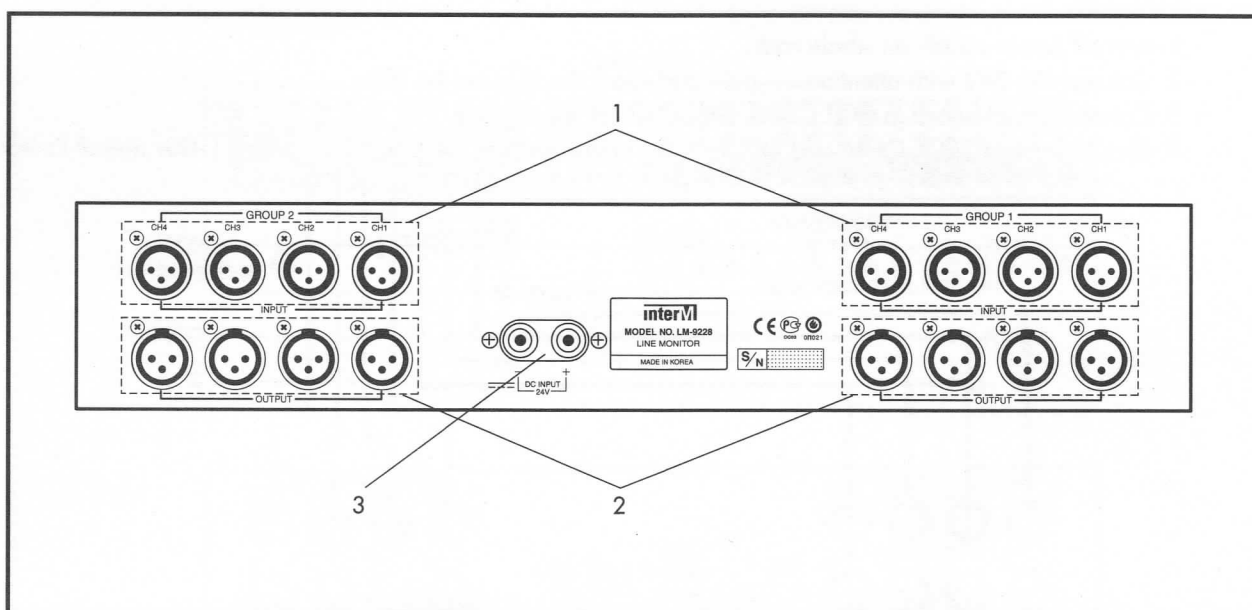
3. CHANNEL VOLUME

It can control a monitor speaker 1 through an inner amplification. Right turn is volume up and left turn is down...

4. CHANNEL SELECT SWITCH

It looks out stereo 4 channel, stereo 1 channel among the mono 8 channel and mono 2 channel. It's divided by first(4 channel) and second(4 channel) group.

Rear Panel



1. LINE INPUT

Can monitor specific equipment by connecting signal to this XLR connectors keeping high sensitivity.

There are two groups for the line input connectors and number one group has 4 channel and the second group has 4 channel.

You could use one channel of number one and two group for stereo type and could use 4channel of number one and two group for mono type therefore, can monitor 8 channel with selecting.

2. LINE OUTPUT

It is XLR connector with high sensitivity to supply the input signal of power amplifier from a input line signal with bypassing.

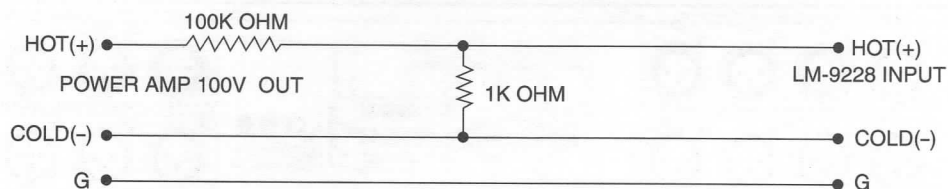
The input line signal from channel 1 goes to the line output without reduction.

3. DC INPUT TERMINAL

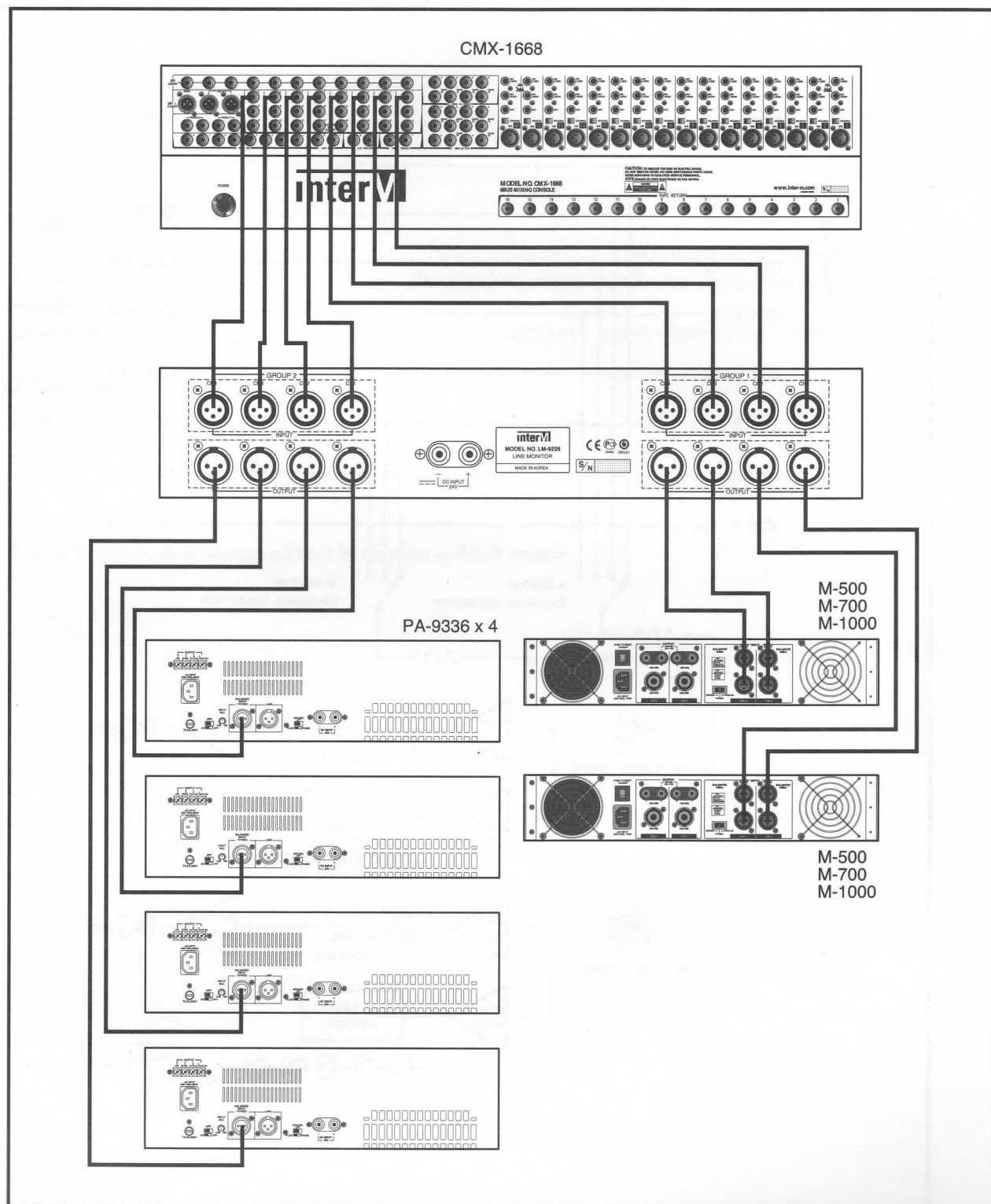
These terminals are for connecting DC 24V power supply for driving. Please note each pole. (Supply from PD-9359)

Hint for Rack Assembling

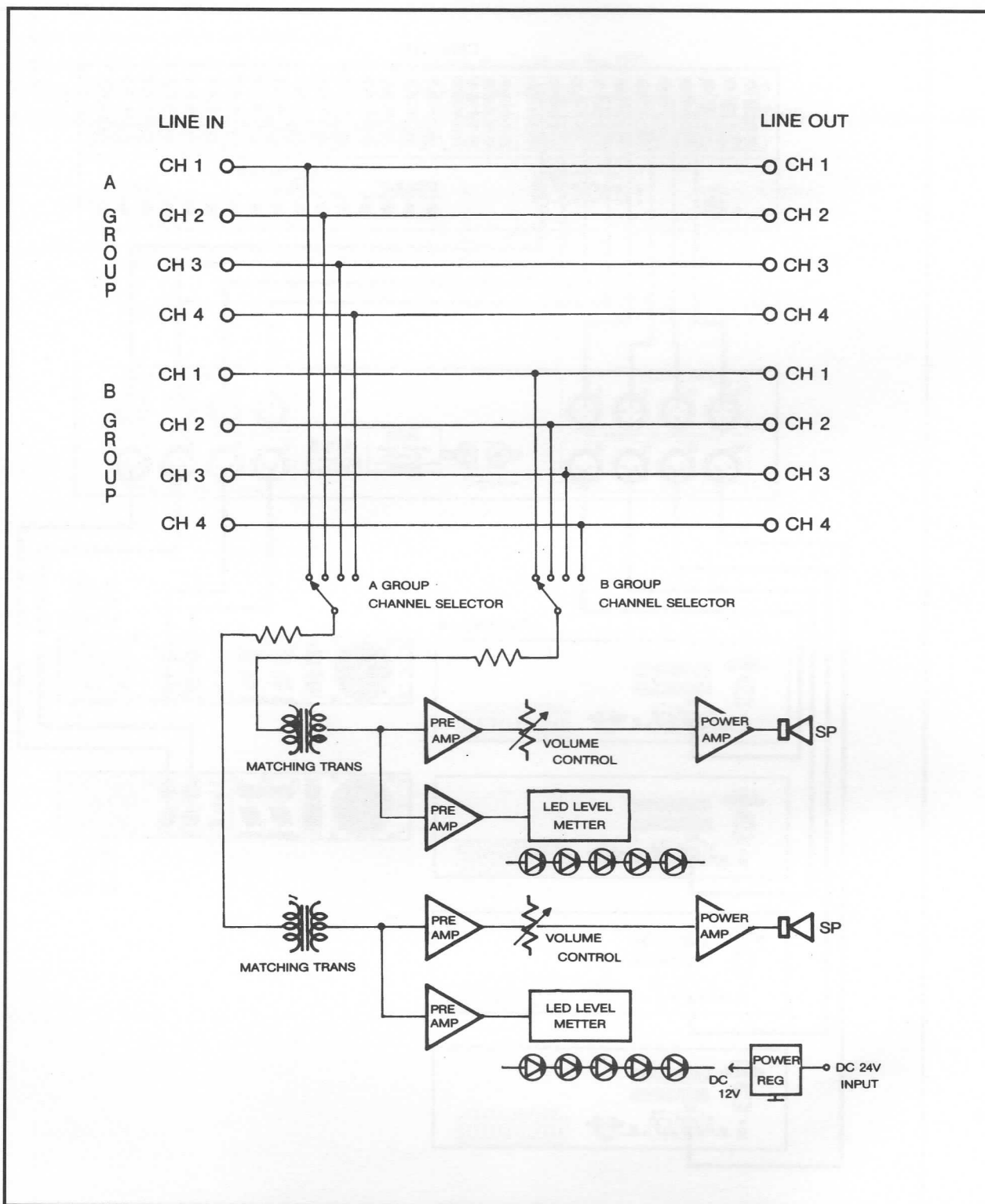
1. turn off power switch on whole rack.
2. Connect DC 24V with attention +.- pole and check the light on the LED.
3. Connect circuit board to HOT.COM, GROUND for monitoring.
4. Should connect 100K OHM and 1k OHM like below pictures for monitoring output (100v out) of Power amp.



Applications



Block Diagram



Specifications

- ELECTRICAL

Output Power	4V/8 Ω
Frequency Response (± 3 dB)	20Hz~20kHz(± 1 dB)
S/N	Better than 100dB
Input Sense	1V/50k Ω
Line Out	1V/50k Ω

- GENERAL

Power Source	100-120VAC or 220-240VAC; 50/60Hz (Supplied AC mains transformer depends on country requirements)
Weight	7.5kg/16.5lb
Dimensions	482(W) \times 88(H) \times 280(D)mm/19(W) \times 3.5(H) \times 11(D)in

- ACCESSORIES

Operating Manual	1
Screw	4(Rack Mount)
Washer	4(Rack Mount)

* 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.