

Operation Manual

Output Transformer Unit

OPT-100D



interM

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.



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.

*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 than objects do not fall and liquids are not spilled into the enclosure through openings.

*CLASS 2 WIRING (Adjacent to speaker terminal): The speaker output of this apparatus can exceed 10 Watts and could be a shock injury. Connection to speakers should be performed by a skilled person.

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

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

*This apparatus shall be connected to a mains socket outlet with a protective earthing connection.

*It has heed to be easy to disconnect the device. To disconnect the device from power, separate AC input cable from inlet or unplug the AC Cord.

CAUTION

*These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

NOTE

*This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Unpacking

Although your OPT-100D is neither complicated nor difficult to operate, we recommend you take a few minutes to read this brief manual and familiarize yourself with the important information regarding product features, setup and operation.

As with most electronic devices, we strongly recommend you to retain the original packaging. In the unlikely event the product must be returned for servicing, the original packaging (or reasonable equivalent) is required.

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.



Features

- **Compact size design**

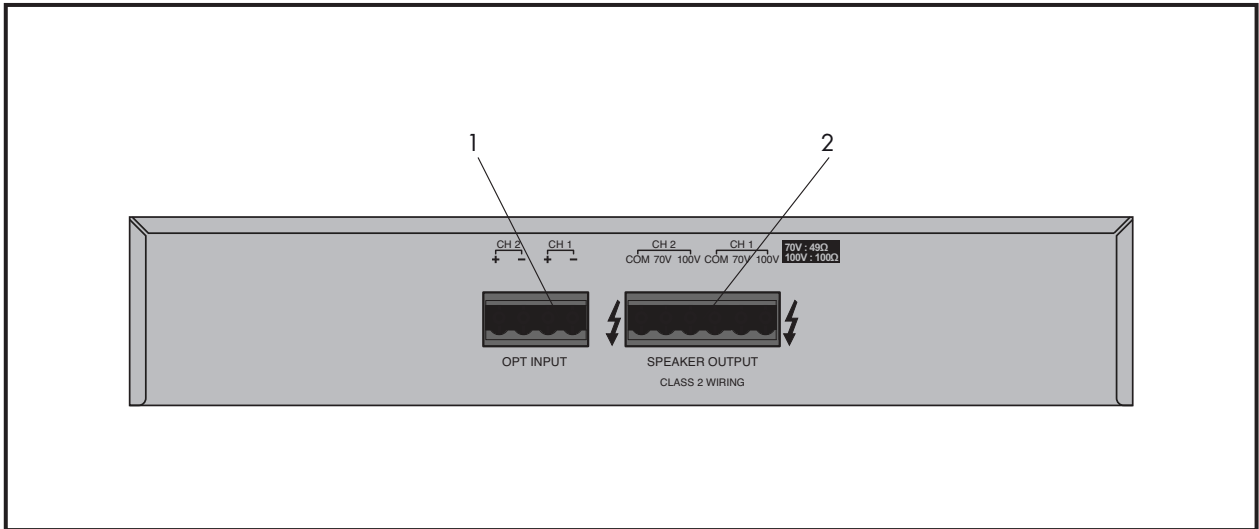
It is implemented 100W 2 Channel at Slim Compact Size (1RU, HALF RACK SIZE, DEPTH 280mm) and it can be easily installed at tiny space along with light weight.

- **High quality output transformer**

Providing clear and dedicate sound as using high quality of OPT.

- **Support on 100V and 70V output.**

Rear Panel



1. OPT INPUT FROM AMPLIFIER

Connect to 100W / 4Ω 20V amp output.

2. SPEAKER OUTPUT

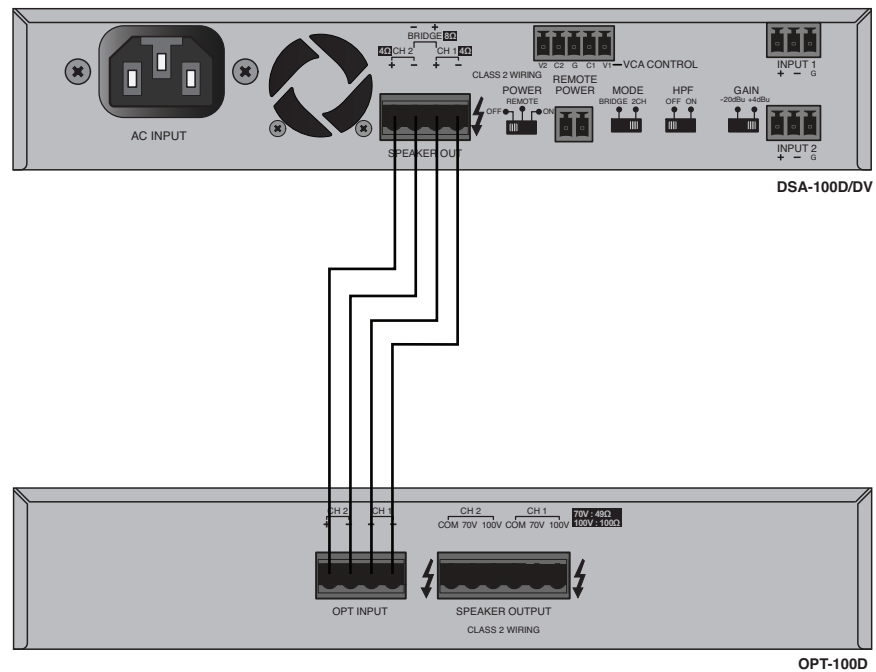
If you want to use 100V output level, it connects 100V with COM. Speaker's minimum impedance is 100Ω.

If you want to use 70V output level, it connects 70V with COM. Speaker's minimum impedance is 49Ω.

- ※ NOTE : Before connecting speakers to the unit, be sure to disconnect the AC power cable. Make certain that the total impedance is not less than the rated impedance indicated.
Do not put the speaker cable close to input signal cable.

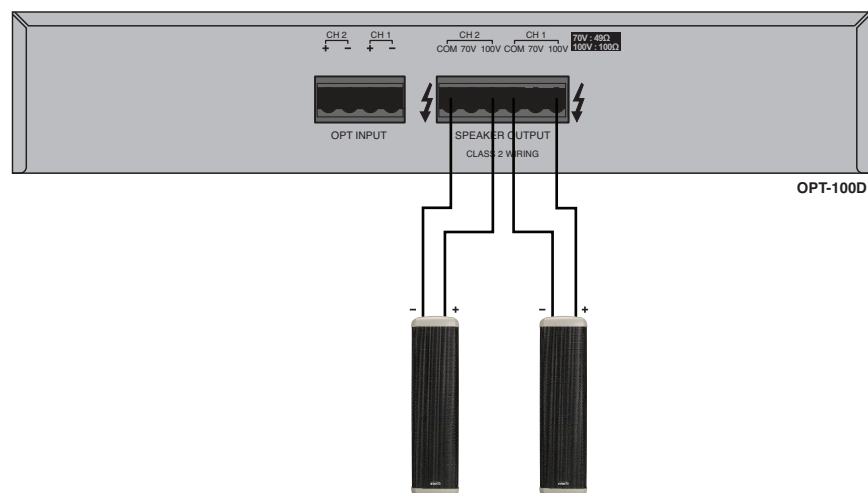
Applications

Connect to DSA-100D/DV

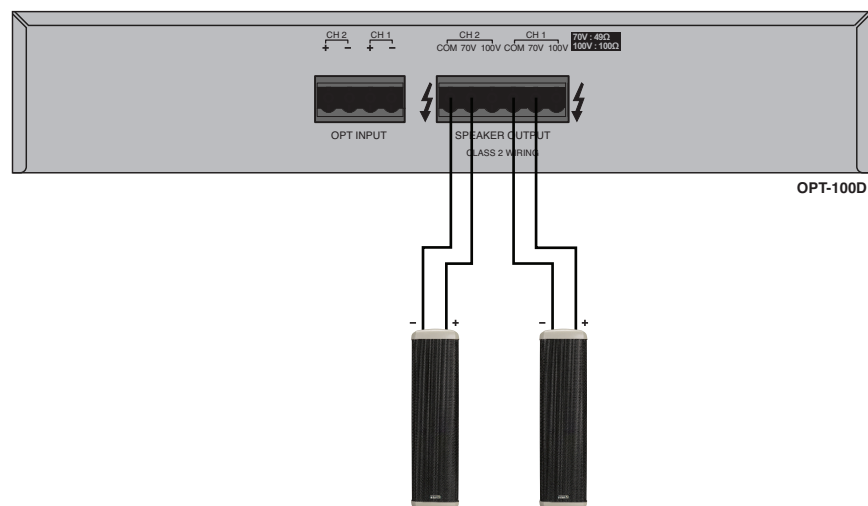


- ※ NOTE: When connected to the DSA-100D/DV, set the HPF switch to "ON" of the DSA-100D/DV.
- ※ NOTE: When connected to the DSA-100D/DV, set the mode switch to "2CH" of the DSA-100D/DV.
(The OPT-100D DO NOT support the bridged mode.)

Connect to 100V



Connect to 70V

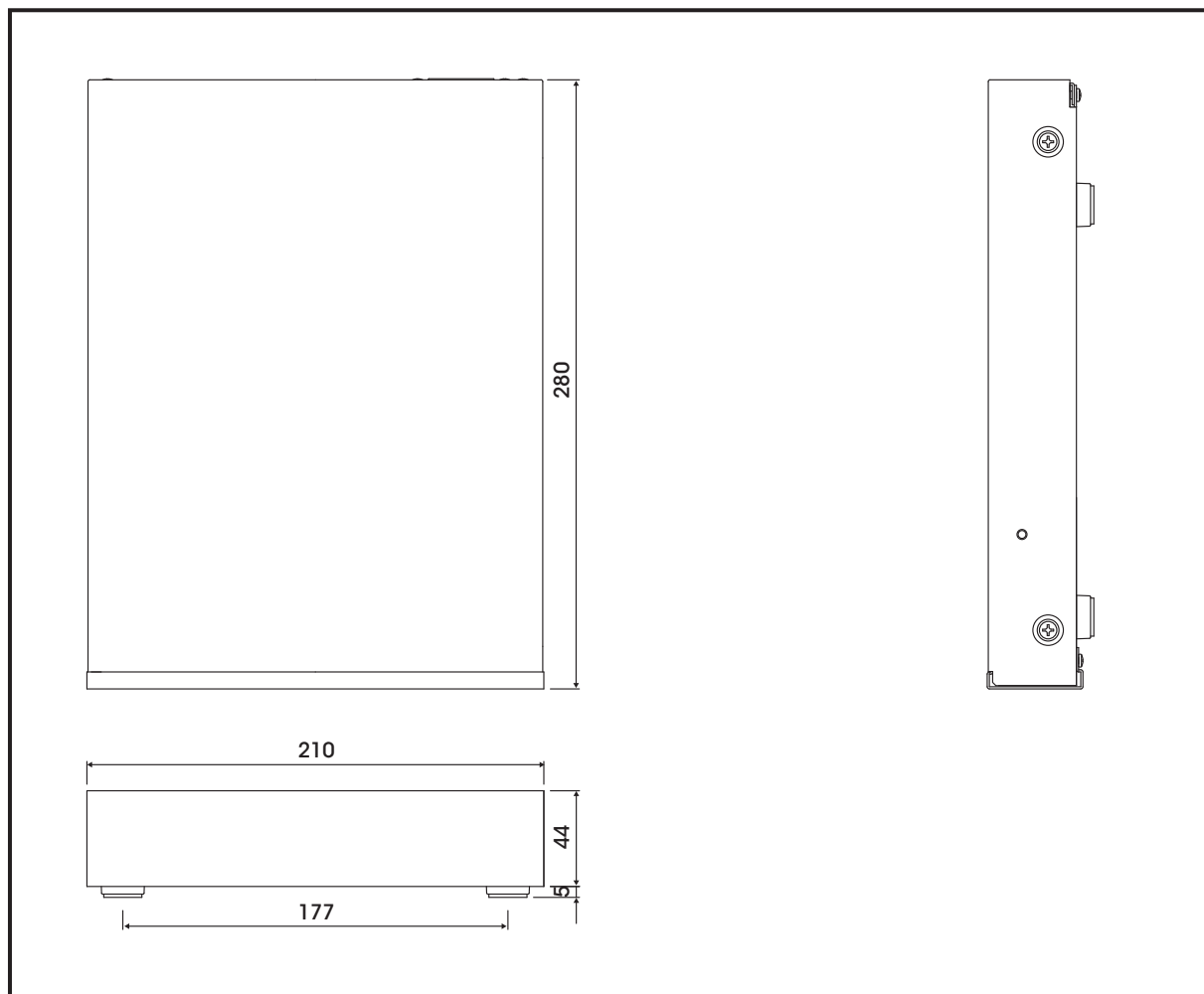


Specifications

| | | OPT-100D |
|---|----------------|---|
| Rated Output (@1kHz) | | 100W x 2 |
| Input | | 20V |
| 100V Output Voltage & Minimum Impedance | | 100V \pm 10V / 100 Ω |
| 70V Output Voltage & Minimum Impedance | | 70V \pm 7V / 49 Ω |
| Frequency Response (1W) | OPT-100D | 80Hz~20kHz (-3dB) |
| | OPT-100D + AMP | 80Hz~17kHz (-3dB) |
| Operating Temperature / Humidity | | -10°C ~ +40°C / 0% ~ 90% |
| Weight (Set) | | 4.2kg / 9.3lb |
| Dimensions (Set) | | 210(W) x 44(H) x 280(D)mm 8.3(W) x 1.73(H) x 11(D)in |

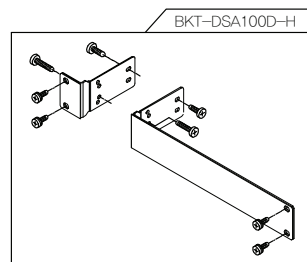
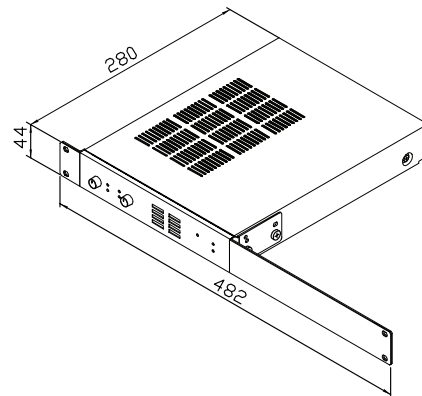
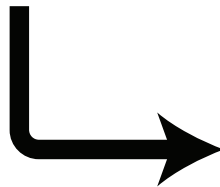
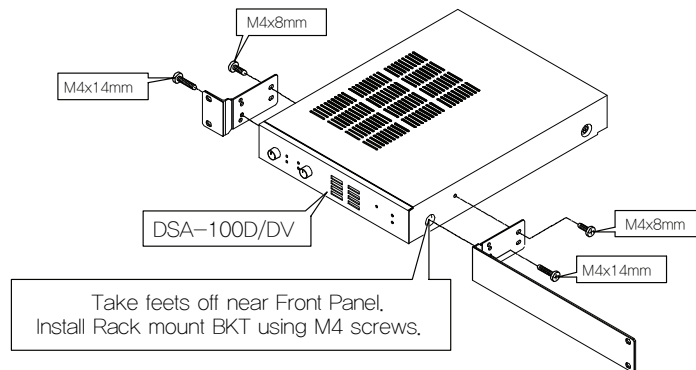
* Specifications and design subject to change without notice.

※ DIMENSIONS

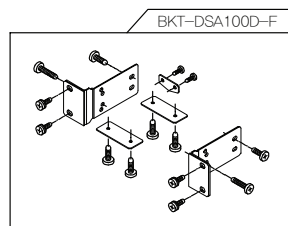
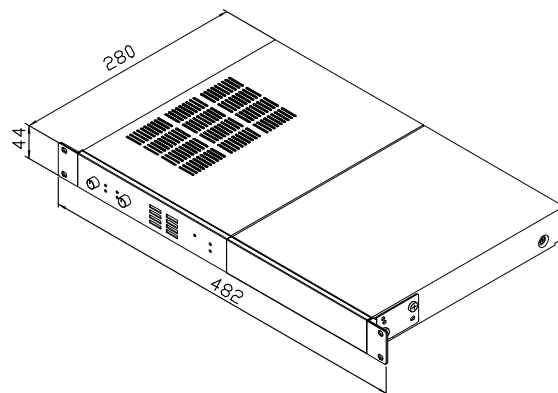
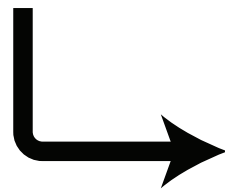
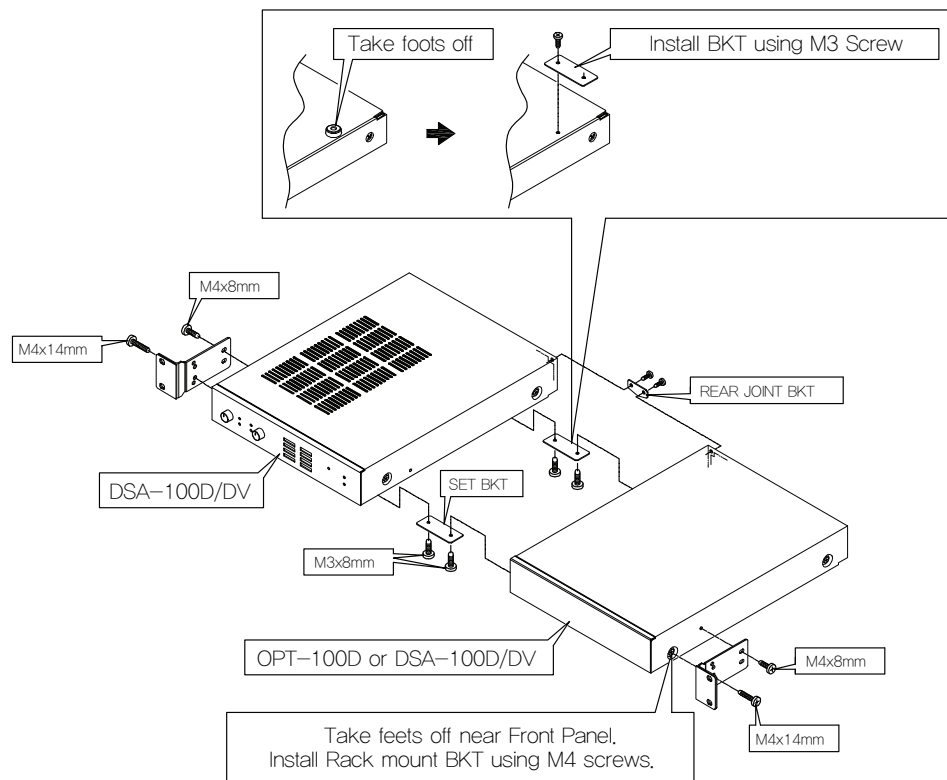


How to install the rack

AMP & BLANK MOUNT



AMP & OPT RACK MOUNT



Service

Procedures

Take steps to insure the problem is not related to operator error or other products within the system. 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.

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 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.

Inter-M Americas, Inc.

13875 Artesia Blvd. Cerritos, CA 90703 USA

TEL : +1-562-921-0313, FAX : +1-562-921-0370

Home Page : <http://www.inter-m.net>, E-mail : info@inter-m.net

Inter-M Corporation

Seoul OFFICE: 653-5 BANGHAK-DONG, DOBONG-GU, SEOUL, KOREA

TEL : +82-2-2289-8140~8, FAX : +82-2-2289-8149

Home Page : <http://www.inter-m.com>, E-mail : overseas@inter-m.com

MADE IN KOREA

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