



WORKFRAME 84

Owner's Manual

Thank you very much for choosing a dotRed product. We hope that this unit will bring you countless hours of fun. Keep this owner's manual handy for future reference. The latest version of this manual is available for free download (PDF) on our website.

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Rev. E01

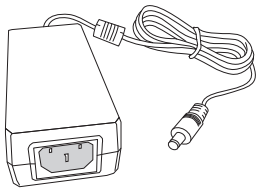
INCLUDED ITEMS

Make sure that the package contains the main unit and all the included items listed below.

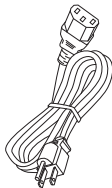
Owner's Manual (this document)



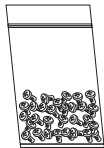
AC adaptor



AC adaptor cord



M3 x 8-type screws
for fixing modules (30pcs)



Square nuts
for fixing modules (30pcs)



PRECAUTIONS FOR USE



CAUTION

Use this product by following all safety precautions in this owner's manual.

This product has a circuit protection feature intended to protect the unit in case of overvoltage and short-circuit under normal conditions of use as described in this manual.

However, due to several factors, we cannot guarantee that this feature will effectively protect the unit in all cases.

- To avoid damaging the unit and guarantee a safe use, use exclusively the supplied AC adaptor.
- Do not use any +5volt power adaptor, as our bus board already provides a +5volt source. Connecting such a power adaptor would damage the POWER BASE of this unit.
- If you wish to install a module fitted with a 10-pin connector, use a 10 pin to 16 pin Eurorack power cable.
- In compliance with the Eurorack standard, the 16-pin headers on this unit have -12V assigned to their #1 pin. Prior to making any connection, make sure that each module you intend to use with this unit has the same pin assignment.
- Do not attempt to remove the dotRed logo bolted onto the red logo plate as it has sharp edges and could cause injury.
- Use this unit exclusively indoors, making sure the environment of use has an ambient temperature between 0°C and 35°C, and a relative humidity below 85%.

SAFETY PRECAUTIONS

Heed all precautions for your own safety!



WARNING

Keep this unit as well as its AC adaptor away from rain and any damp/wet environment. If any liquid get splashed onto or gets inside this unit or its AC adaptor, this can cause a malfunction and poses a risk of electric shock.

Do not do any modification to this unit as it will void our warranty and also poses a risk to your safety.

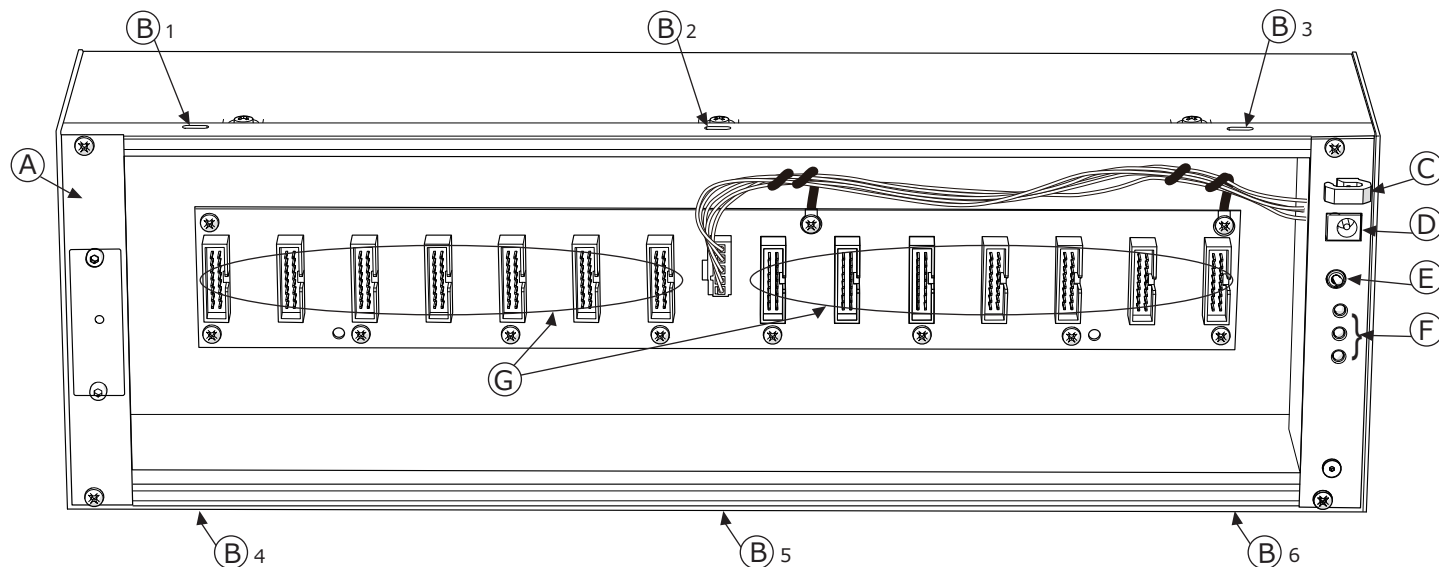


CAUTION

If this unit shows any signs of abnormal behavior such as the symptoms listed below, immediately disconnect the AC adaptor from the mains and get in touch with the dealer where you bought this unit:

- Smoke, sparks or a strange smell come out of this unit or its AC adaptor.
- Some or all of the POWER BASE's status indicators are blinking or off.
- The AC adaptor's cord is cracked or shows any other signs of damage.
- The AC adaptor's body is damaged and fails to deliver stable power.

NAME & FUNCTION OF EACH COMPONENT



A) Logo plate:
This plate can be removed if you need to fit one more module, and can also be moved to another position to cover an empty slot.

B) Nut holes:
Allow you to easily add/remove square nuts without removing a side plate.

C) Cable hook:
Pass the AC adaptor's DC cable through this hook to prevent accidental disconnection.

D) DC15V input:
Connect the AC adaptor's DC cable end plug here.

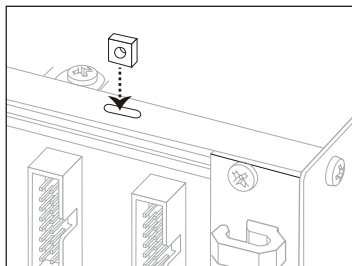
E) Power switch:
Flip it to the "ON" position to power on the unit.

F) Status indicators:
Indicate the power supply status. Those indicators are lit under normal power supply conditions.

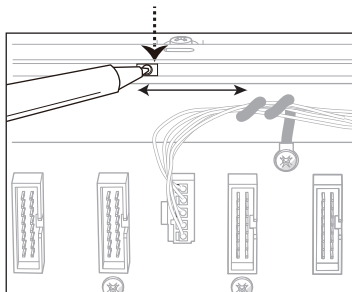
G) Headers:
These fourteen 16-pin headers deliver power to your modules.

Note: The #1 pin of each header is -12Volt. When connecting a module fitted with less than 16 pins, make sure to connect the module's plug's #1 pin to the #1 pin on the header.

MODULE INSTALLATION

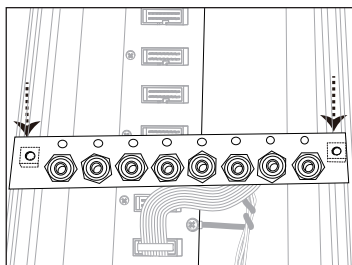


1. Insert a square nut into the rail via one of its nut holes.

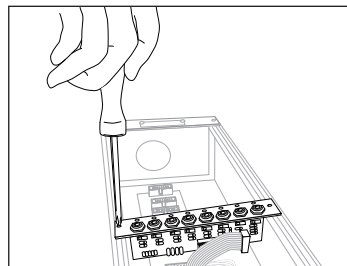


2. Using the tip of a pen, slide the square nut inside the mounting rail to the approximate installation position for the module.

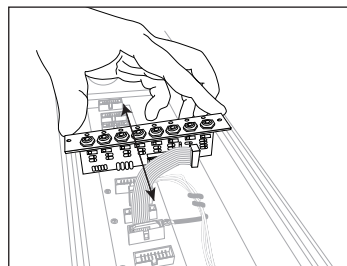
Repeat the procedure to insert and slide a square nut in place onto the other mounting rail. Make sure both square nuts are aligned vertically.



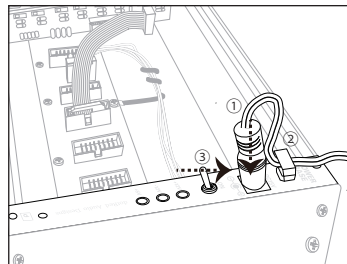
3. Connect the module's cable to the desired header on the unit, then align the mounting holes on the module with the square nuts on the mounting rails. If needed, adjust the square nuts' position.



4. Slightly tighten both screws so as to be able to slide the module in place onto the mounting rails.



5. Slide the module to the desired location and firmly tighten both screws to fix the module, making sure it is straight.



6. ① Connect the AC adaptor's DC cable end plug to the DC 15V input.
② Pass the AC adaptor's DC cable through the cable hook for a secure connection.
③ Turn on the power by flipping the power switch to the "ON" position.

Note: To remove an unused or damaged square nut, simply slide it with the tip of a pen until it is flush with one of the square nut holes, then let the nut through the hole.

FEATURES

- ◆ Ideal-size case for new Eurorackers or users wishing to expand their existing system.
- ◆ Rugged full-metal chassis offering effective protection from noise and shocks.
- ◆ 30-watt power module optimized for 84HP case size and power needs. The power module's design prevents power line noise while ensuring lower heat under full-load condition.
- ◆ The power circuit's audio-optimized capacitors ensure superior sound quality.
- ◆ Allows connection of up to 14 modules (subject to the power consumption and/or dimensions of the modules).
- ◆ 19-inch rack compatible through optional rack mount ears.
- ◆ Economical, hassle-free square nuts.
- ◆ Nut holes allow quick replacement of damaged/worn nuts, and quick module relocation.
- ◆ Sleek design offering enough installation depth for most modules.

SPECIFICATIONS

◆ Case format:

Euro-rack (Doepfer's A-100 format), 84HP

◆ Power Specs

AC adaptor

- AC input : 100V~240V AC / 50~60Hz
- DC output : 15V / 3.34A (2.5A min.)
- DC plug type: Outside Φ : 5.5mm
Inside Φ : 2.1mm
Polarity: center +

"POWER BASE" power module

- DC input: 15V (less than 18V)
- DC output current: 1000mA@+12V
1000mA@-12V
500mA@+5V

◆ Dimensions (H x W x D): 132 x 430 x 90 mm

Note: W=480mm with optional rack-mount ears installed.

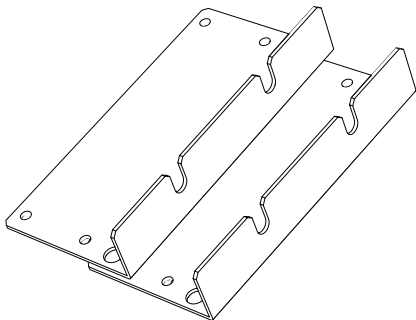
◆ Weight: Approx. 1.6kg

Note: Approx. 2kg with optional rack-mount ears installed.

OPTIONAL PARTS (available separately)

◆ "RACK-EAR"

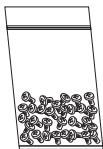
Brackets (pair) for 19-inch rack mount



◆ "NUTS'n BOLTS"

Screws and Square nuts for module installation

M3 x 8 screws: 30pcs



Square nuts: 30pcs



BEFORE USING THIS UNIT

- Before using this unit, install your modules referring to the "MODULE INSTALLATION" section in this manual.
- To install our optional rack-mount ears on this unit, refer to the owner's manual supplied with the dotRed rack-ear brackets.

ENVIRONMENT OF USE & CLEANING

Read this section prior to using this unit.

- ◆ Avoid exposure to moisture and direct sunlight. Make sure to use this unit within an ambient temperature between 0°C to 35°C and with a relative humidity of <85%.
- ◆ Use this unit on a stable surface or installed on a rack with rack-mount screws.
- ◆ The supplied AC adaptor is exclusively designed for indoor use. Never use it outdoors, as its safe and correct operation cannot be guaranteed.
- ◆ Use only this product outdoors in a proper and electrically safe performance environment. (such as on a festival stage, etc.)
- ◆ Use only a clean soft cloth if you need to clean this unit. Do not use any solvent-based cleaning agents as this may damage the unit's finish. To remove stubborn dirt, slightly damp a soft cloth with water.

1-YEAR LIMITED WARRANTY

LIMITED WARRANTY TERMS AND CONDITIONS

This Limited Warranty applies only to DOTRED AUDIO DESIGNS products purchased in the United States of America. Outside the USA, warranty policy and service is determined by the laws of the country of purchase and followed by our local authorized distributor. A listing of our authorized distributors is available at <http://www.dotred-audio-designs.com/shops>

DOTRED AUDIO DESIGNS warrants to the first owner of a covered product purchased from an authorized DOTRED AUDIO DESIGNS dealer in the U.S., that this product will be free from defects in materials and/or workmanship for a period of one year from the date of purchase. Please register this product by sending us an email at techsupport@dotred-audio-designs.com to establish the date of purchase (THIS IS NOT A REQUIREMENT FOR WARRANTY SERVICE BUT HIGHLY ADVISED). Besides your full name and address, please mention the date and purchase location of your product.

To exercise your rights under this Warranty as the first owner/purchaser, YOU MUST SHIP THIS PRODUCT IN ITS ORIGINAL PACKAGING at your expense, with proof of purchase documentation and the DOTRED AUDIO DESIGNS supplied power adapter, to DOTRED AUDIO DESIGNS to the following address:

DOTRED AUDIO DESIGNS CO., LTD

9-10 Kamijima, Hamakita-ku

Hamamatsu

434-0011 JAPAN

An RAN (Return Authorization Number) from DOTRED AUDIO DESIGNS must be obtained first before returning any product.

Email us your RAN request to techsupport@dotred-audio-designs.com

Products shipped to DOTRED AUDIO DESIGNS without an RAN will be refused and returned. Shipping insurance is optional, but highly recommended. DOTRED AUDIO DESIGNS will repair or replace this product at its sole option and at no charge to you for parts and labor—when deemed necessary and within the warranty period—provided that DOTRED AUDIO DESIGNS reserves the right to determine whether the product is “defective” for purposes of this Limited Warranty. This Warranty does not apply if damage to this product occurs as a result of abuse or misuse, failure to follow instructions according to its Owner’s Manual, abnormal use or handling, improper packaging, another product’s interaction, exposure to temperature extremes, or if the product has been altered or modified/ customized in any way, or the damage was caused by unauthorized repair or service. The original product must return to DOTRED AUDIO DESIGNS unaltered.

IN NO EVENT SHALL DOTRED AUDIO DESIGNS CO., LTD BE LIABLE FOR ANY INDIRECT, INCIDENTAL, COLLATERAL, EXEMPLARY, PUNITIVE, CONSEQUENTIAL OR SPECIAL DAMAGES OR LOSSES ARISING OUT OF YOUR PURCHASE OF PRODUCTS AND/OR OUT OF THIS WARRANTY, INCLUDING WITHOUT LIMITATION, LOSS OF USE, PROFITS, GOODWILL OR SAVINGS OR LOSS OF DATA, MUSIC, ELECTRONIC FILES, OR PREFERENCES THAT MAY HAVE BEEN STORED BY A USER OF THE PRODUCT, EVEN IF DOTRED AUDIO DESIGNS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR CLAIMS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This Limited Warranty and the right of replacement is in lieu of any and all other warranties—which you hereby waive—and it gives U.S. purchasers specific legal rights. You may also have other rights which vary from State to State.

TROUBLESHOOTING

If this unit does not seem to work properly and shows some of the symptoms described here below, make sure each installed module works correctly before sending the unit in for repair.

Symptoms

- When powering on the unit, the status indicators do not light up.
- When powering on the unit, the status indicators' luminosity is lower than usual.

Causes

- One of the modules installed in the unit does not work properly.
- The current fed to the modules is overloading.
- One module's cable is shorted.
- One module's connector is not connected properly to the header.
- The AC adaptor doesn't work properly.

If the trouble cannot be solved by removing modules, and you determine that this unit needs repair, contact the store where you bought the unit, or write to us at:
techsupport@dotred-audio-designs.com.

Write down a short description of the problem and the conditions when it first occurred.

WARRANTY CARD



dotRed Audio Designs Co., Ltd.
9-10, Kamijima, Hamakita-ku,
Hamamatsu 434-0011 JAPAN

Model : WORKFRAME 84

Customer	Address:
	Name:

Shop or seller's signature:

Warranty term: 1 year	Purchase date:
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◆ Keep this warranty card together with your receipt or sales slip as a proof of the purchase location and date will be requested for any warranty claim.

Copy in this frame the 6-digit serial number found on the label inside the unit.

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If you have any question, please email us at: contact@dotred-audio-designs.com

You can also get in touch and send us any query through the Contact page of our website, or through our Facebook/Twitter page.

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