

Thank you for your purchase of the DAC-50 Digital Input Board. This optional board allows you to play audio data from your computer through a USB connection. It can also play from a CD player or other digital output device connected by digital coaxial cable or optical fiber.

These boards mount into the rear panel of your supporting analog Accuphase device, and allow the device to accept digital input. Refer to the documentation for your Accuphase device for information about how to operate this board—how to select inputs, set the sampling frequencies, and so on.

Included Accessories: “USB Utilities 2” CD and “USB Utilities 2” Setup Guide

Using the DAC-50



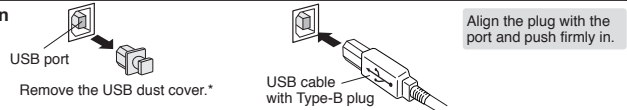
Adds one USB input, one optical-fiber input, and one coaxial input to the device. Use these to input digital sound signals from digital components.

- | | |
|----------------|--|
| USB | Format: USB 2.0 high-speed (480 Mbps) compliant
Sampling Frequencies: 2.8224 MHz, 5.6448 MHz, and 11.2896 MHz/1-bit DSD (11.2896 MHz is ASIO only)
32 kHz to 384 kHz/32-bit PCM
Cable: USB 2.0 Connector with Type-B Plug (length up to 2 meters)
USB connection requires bus power (minimum 200 mA). |
| Optical | Format: JEITA CP-1212 compliant
Sampling Frequencies: 32 kHz to 96 kHz/24-bit PCM
Cable: JEITA-compliant optical fiber |
| Coaxial | Format: IEC 60958 AES-3 compliant
Sampling Frequencies: 32 kHz to 192 kHz/24-bit PCM
Cable: 75-ohm digital coaxial |

USB Port

USB (Type B) connection
Connect to the type-B plug on a USB cable. Before connecting to your computer, install the software from the included USB Utilities 2 CD, as explained in the included documentation.

USB (Type B) connection

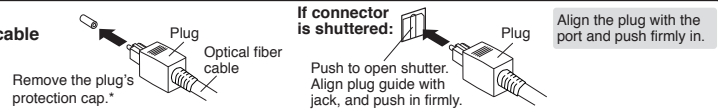


*Retain the dust cover for future use.

OPTICAL

Accepts JEITA-compliant optical fiber cable.

Connecting optical fiber cable



*Retain the protection cap for future use.

COAXIAL

Accepts 75-ohm digital coaxial cable.

Selecting Your Input

If your device includes a DAC switch... Use the DAC input switch to select the input.

Otherwise...

- The DAC-50 will automatically lock in the input signal from the ①coaxial, ②optical, or ③USB connector, in that order, when power comes on or when the input selector is set to OPTION.
- To select the input jack to use on the DAC-50 (USB, optical, or coaxial): disconnect the input cables you do not wish to play from, or else switch off the power to the input devices you do not wish to play from.

Note Limitation in Sampling Frequency Display on the C-2120, E-600, E-470, E-370, and E-270

These units will not display the correct sampling frequency, but will instead display 192.0 kHz, when playing at sampling frequencies of 352.8 or 384 kHz (PCM) or 2.8224, 5.6448, or 11.2896 MHz (DSD). The DAC-50 itself, however, will be using the correct sampling frequency to process and replay the incoming signal.

About the Cable Connection

Do not simultaneously connect to both digital (USB, coaxial) and analog (line, balanced) outputs of the same source device. Running multiple connections to a single device may create a loop, resulting in humming and other noise.

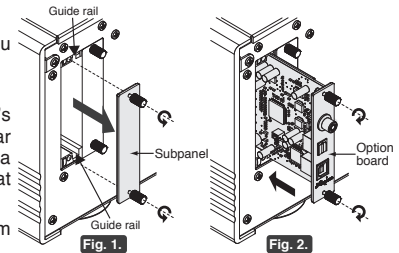
Limitation with the E-307, E-308, C-245, and CX-260

Owing to power limitations, these devices cannot support dual digital input boards. They do, however, support simultaneously use of one digital and one analog input board. If you install a DAC-50 into one slot, you can also install an AD-50, -30, or -20 into the other.

How to install

Illustration shows installation on the E-650.

- Turn off the device power.
- On the rear panel, remove the sub panel of the slot you wish to use. (See Fig. 1.)
◆ Retain the sub panel for future use.
- Insert the option board into the slot, along the slot's upper and lower guide rails (see Fig. 2). When the rear of the board reaches the internal connectors, give a gentle push to snap the connection into place, so that the front of the board becomes flush with the panel.
- Secure the board by screwing in the top and bottom screws.



Caution

- Turn off the device power before installing or removing option boards. Installing a board while power is on may damage the equipment.
- Keep fingers out of the opened slot. Do not place anything other than the board into the slot.
- Avoid touching the board's soldered areas, connector contacts, and components. Touching these areas may damage the circuitry or the contact. Hold the board by the edges or along its panel.
- Tightly screw in the two screws all the way (by hand). If screws are loose, terminals may separate from ground, resulting in poor contact or equipment damage.
- Do not use electrical contact enhancers or conductivity agents on input jacks and connectors, as these may cause aging in resin parts and lead to damage.