SFORZATO NWS-04
User's Manual

Ver. 020126

What is included in the package?

Please confirm that the following items are present.

(1) NWS-04

(2) Instruction manual (this sheet)

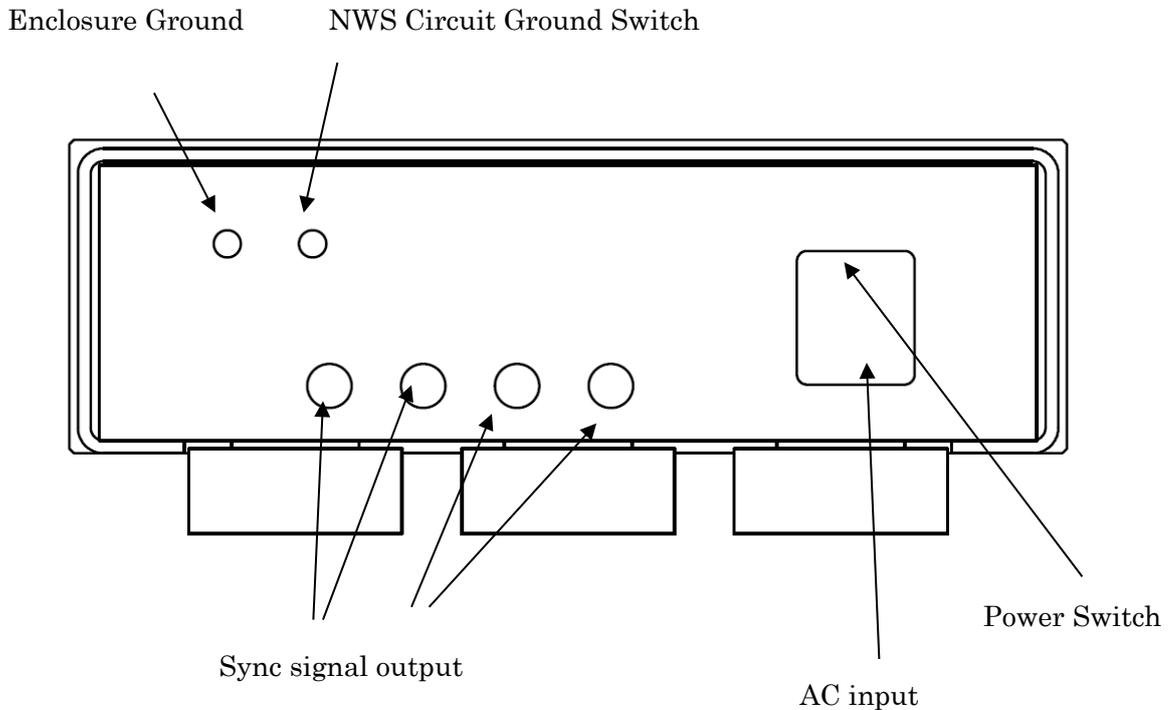(3) AC power cables

(4) SMA-SMA clock cable x 2

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The NWS-04 is a device that synchronizes the clocks of connected network devices by distributing the synchronization clock to the corresponding network devices.

LAN communications are basically asynchronous, with each device operating on its own independent clock. By synchronizing this communication to a single clock, it is possible to greatly improve the sound quality of network audio.

1. Rear panel connectors

NWS-04 Rear side

Enclosure Ground　　　NWS Circuit Ground Switch

Power Switch

Sync signal output

AC input

Role of each terminal

１）Enclosure Ground

This terminal is electrically connected to the enclosure. This terminal is used to connect virtual grounding, etc.

２）Circuit Ground Switch

This switch is used to set synchronizer circuit ground is connected to the enclosure ground. The switches can be set to be in continuity with the enclosure when the switch is down and disconnected when the switch is up. The choice of conductivity or disconnection depends on the environment, so make your selection while listening to the sound. Switching during operation is not a problem, but if you want to switch while listening to music, please turn down the volume before switching.

３）Synchronous signal output

These four terminals output a sync signal for connecting to devices with a Sync In terminal (such as the MC-RJ45P). The same signal is output from all four terminals.

2. Connection method
   ① First, make sure that the power switch on the NWS-04 is OFF. The switch is located above the AC inlet.
   ② Connect the unit to a power outlet using the supplied AC cable.
   ③ Ensure that the power is turned off for devices with a Sync In terminal (e.g., MC-RJ45P).
   ④ Connect one of the Sync Out terminals to the Sync In terminal of your device using the included SMA-SMA cable. Insert the cable straight and lightly tighten the screw. Inserting the cable at an angle or over-tightening the screw may damage the terminals.
   ⑤ Connect the Sync Out terminal to the Sync In terminal of another device using the included SMA-SMA cable.
   ⑥ Please turn on the power to the NWS-04 and any devices connected to it via SMA-SMA cables. The order in which you turn them on does not matter.
   ⑦ Please enable Sync for the device connected to NWS-04.

Compare the sound quality with Sync enabled and disabled. You should be able to feel the effect of Net Sync.

To prioritize sound quality and avoid stressing the Synchronizer board, the board is not fixed in place. Loose movement is by design.