MELCO S10 High End Network Switch User Guide

MELCO ™

**Network Switch
for Audio Streaming
Quick Setup Guide**

MELCO

35022449-01

Warning
This equipment is not waterproof. To prevent fire or electric hazards, do not place any containers filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.
Warning
To prevent fire hazards, do not place any naked flame sources (such as a lighted candle) on or near the equipment.
Warning

This is a class A product. Class A devices are those that are marketed for use in a commercial, industrial or business environment. This product is only intended for professional use, and should not be used in an office or household environment.

This product may cause interference if used in residential areas.

Such use must be avoided unless the user takes special measures to reduce electromagnetic emissions to prevent interference to the reception of radio and television broadcasts.

Warning

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazards, the openings should never be blocked or covered with items (such as newspapers, tablecloths, curtains) and never operate the equipment on thick carpeting or a bed.

Caution

This product becomes warm, so be careful not to touch it to avoid hazards.

Operating Environment

Operating environment temperature and humidity: +5°C to +35°C (+41°F to +95°F); less than 80% RH (cooling vents not blocked)

Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light).

Contents

Diagrams

Buttons and Ports
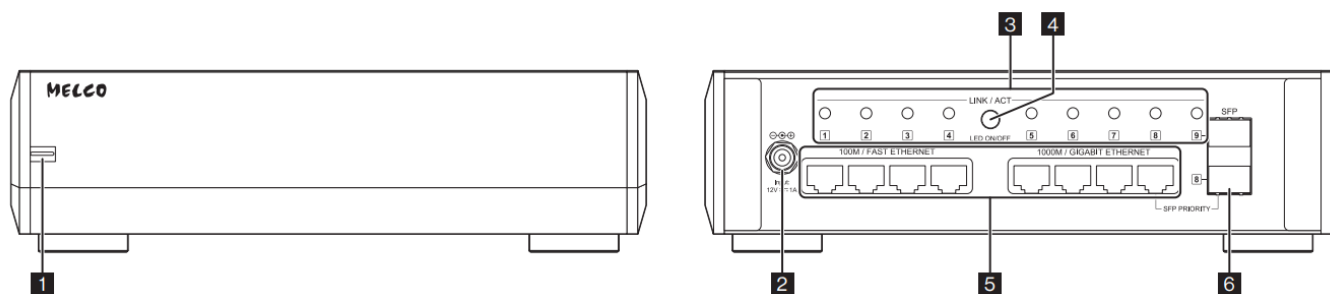
1. **Power/Diag LED**

   On (red): The network switch is starting up.

   Start-up will take about 70 seconds.

   On (light blue): Power is on.

2. **DC Power Connector**

3. **Link/Act LED**

   On (green): Connection established.

4. **LED Off Switch**

   Press this switch to turn off the link/act LED.

   Leaving the link/act LED on may affect the quality of sound. We recommend turning off the link/act LED for typical music playback.

5. **LAN Ports**

   Ports 1–4 support 100 Mbps full duplex.

   Ports 5–8 support 100 Mbps and 1000 Mbps auto-negotiation.

6. **SFP Ports**

   The network switch will transmit data at 1000 Mbps using these two ports.

   These ports support 100 Mbps and 1000 Mbps auto-negotiation.

   Note: LAN port 8 and SFP port 8 are combo port pairs. When both ports are connected to devices at the same time, LAN port 8 will be automatically disabled.
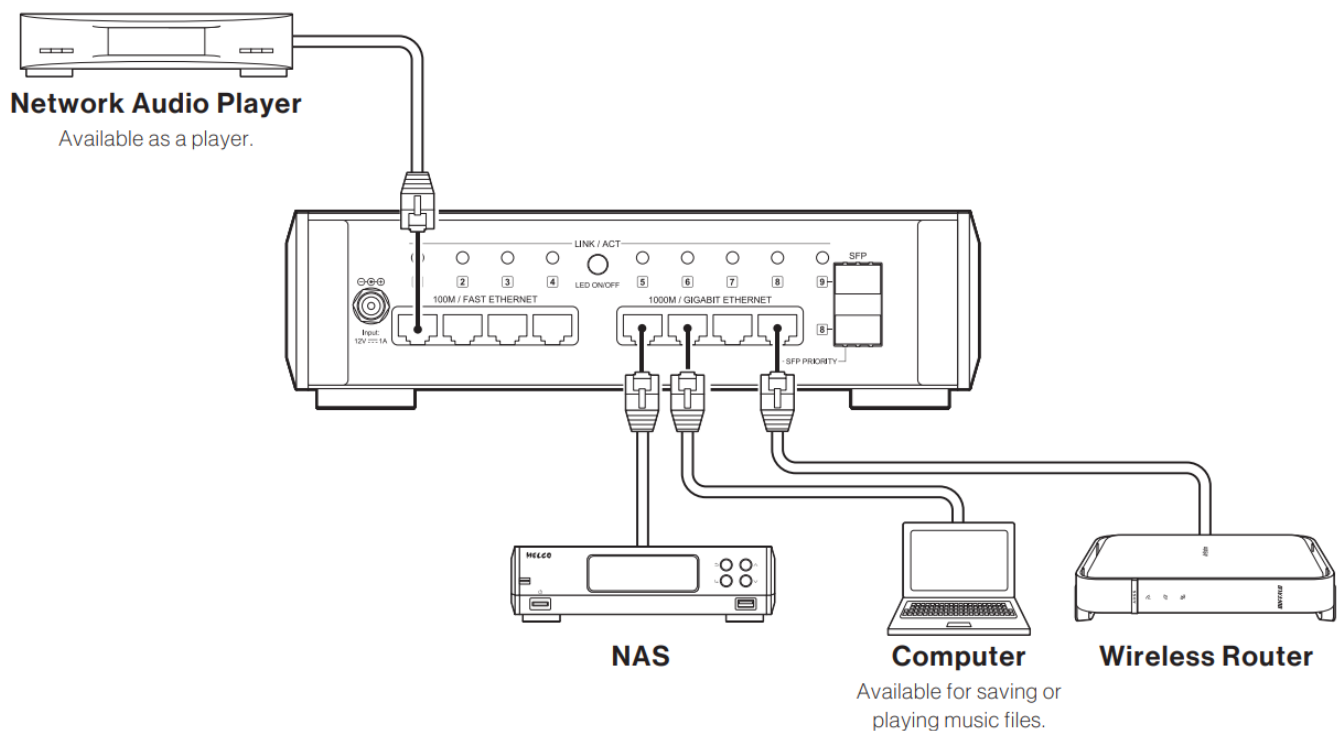
Power On
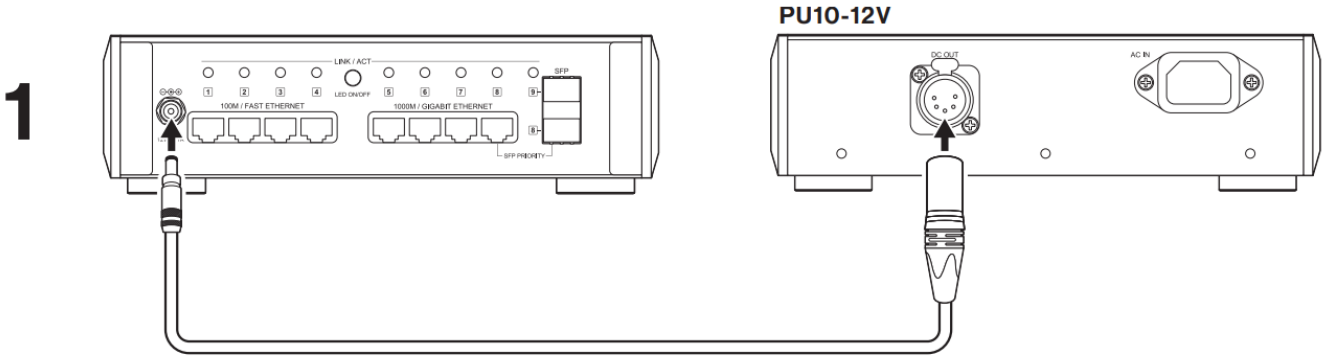
Place the main unit and the power unit side by side. Give the main unit and the power unit plenty of space for airflow.
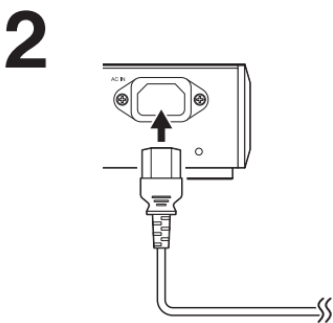
Available Devices and Ports

Recommended Connections:

Network Audio Player (Renderer, Streamer)	Ports 1–4
Music Server, Wireless Router, or Other Network Devices	Ports 5–9
Melco N1/N10/N100 as USB-DAC Player	Ports 1–4
Melco N1/N10/N100* as Music Server for Network Audio Player *Use the LAN port instead of the PLAYER port.	Ports 5–9

Network Audio Player
Available as a player.

NAS

Computer
Available for saving or playing music files.

Wireless Router

Ports 1–4 are full duplex; ports 5–9 are auto-negotiation.
If the Network Audio Player is not compatible with full-duplex ports and playback is not stable, please connect the Network Audio Player using ports 5–9 instead.

Specifications

Standards Compliance	IEEE 802.3ab (1000BASE-T) IEEE 802.3u (100BASE-TX)
Data Transfer Rates	LAN Ports 1–4: 100 Mbps LAN Ports 5–8: 100/1000 Mbps SFP Ports 8, 9: 100/1000 Mbps
Number of LAN Ports	8
Number of SFP Ports	2
Compatible Cables	1000BASE-T: four-pair category 5e or higher UTP/STP cable 100BASE-TX: two-pair category 5 or higher UTP/STP cable
Transmission Distance	Max. 100 m
Connector	RJ-45 8-pin
Dimensions* (W × H × D)	215 × 61 × 270 mm; 8.5 × 2.4 × 10.6 in.
Weight	Approx. 3.5 kg; 7.1 lbs
Power Supply	AC Input (PU10-12V) 230 V, 50/60 Hz (max. 40 W, 0.18 A)
Power Consumption (Power Unit)	Max. DC 12 V, 1.6 A Melco Syncrets Inc. PU10-12Vx**

*Excluding protruding parts
**The "x" at the end of the AC adapter's model name represents a variable alphabetic character between A and Z.

Additional Support and Service

If you need help or repair services, please send us an email by referring to our website below or call the vendor from whom you purchased the product.
You may also refer to our website for firmware update information.
https://melco-audio.com/support/

https://melco-audio.com/support/
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Documents / Resources

	MELCO S10 High End Network Switch [pdf] User Guide S10, High End Network Switch, Network Switch, S10, Switch

References

- **Home - Melco Audio**
- **Support - Melco Audio**

Manuals+,