BUFFALO

WLE2-POE-S
User's Manual

Thank you for purchasing the WLE2-POE-S.

Read this manual carefully before using the product to be sure of correct usage. After reading, store the manual in a safe place for future reference.
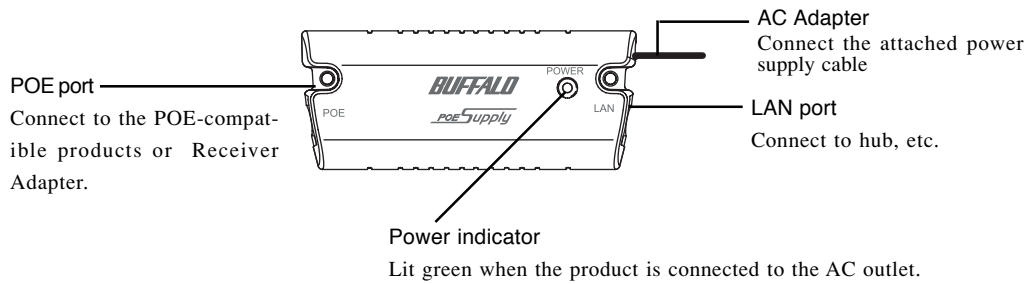
Product Overview

The WLE2-POE-S Power Supply Adapter is an adapter for supplying power to the AirStation or the BroadStation. Using this product enables compatible AirStations or BroadStations to be used in locations that are not provided with a nearby power supply.

Package Contents

The product is packaged with the following items. Contact your dealer if any item is not included in the package.

● Supply Adapter(This product) 1

POE port
Connect to the POE-compatible products or Receiver Adapter.

AC Adapter
Connect the attached power supply cable

LAN port
Connect to hub, etc.

Power indicator
Lit green when the product is connected to the AC outlet.

● Power supply cable 1

● User's manual (this data sheet) 1

● User's registration card and warranty certificate 1

Note: After detaching the user's registration card from the warranty certificate, be sure to fill out the required information and return to us. Store the warranty certificate in a safe place.

Note: Always refer to any additional information provided in the package with the product.

Connection Precautions

● Connect the AC adapter last.

● Always connect a POE-compatible AirStation or Broadstation or Receiver Adapter(WLE-POE-R7 or WLE-POE-R33) to the POE port.

● Do not connect a hub or PC to the POE port.
  • **Doing so may result in damage or burnout of the hub or PC. Always connect a POE-compatible AirStation or BroadStation or Receiver Adapter.**

● Always use Cat 5 network cable or higher (all Melco ETP-series cables can be used) to connect this product with a POE-compatible AirStation or BroadStation or Receiver Adapter. **Using a different cable may prevent the supply of power.**

● The WLE2-POE-S Power Supply Adapter does not have a repeater function. The total cable length from other device connected to the LAN port to the AirStation or BroadStation is 100 m max.

● Use LAN cable that is compatible with the products to which it will be connected.

● Use commercially available cables. Using cables prepared by the user may result in the network configuration not functioning properly.

● Always use Cat 5 network cable or higher (all Melco ETP-series cables can be used) when configuring a network of 100 Mbps.
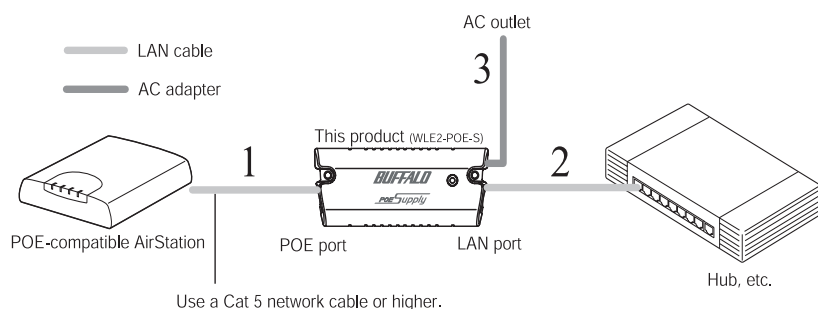
Supplying Power to a POE-compatible Products

Use the following procedure to supply power to a POE-compatible products.

🚫 **Prohibit**
Do not connect a hub or PC to the POE port.
Doing so may result in damage or burnout of the hub or PC. Connect a POE-compatible products.

⚠️**Caution** This product does not have a repeater function. The total cable length from other device connected to the product to the the POP-compatible product is 100 m max(total length of 1 and 2 in the following diagram).

1 Connect the POE-compatible product to the POE port using Cat 5 network cable or higher. **Using a different cable may prevent the supply of power.**

2 Connect the hub or PC to the Power Supply Adapter's LAN port.

3 Connect the AC adapter to the AC outlet.

LAN cable
AC adapter
POE-compatible AirStation
POE port
LAN port
This product (WLE2-POE-S)
Hub, etc.
Use a Cat 5 network cable or higher.

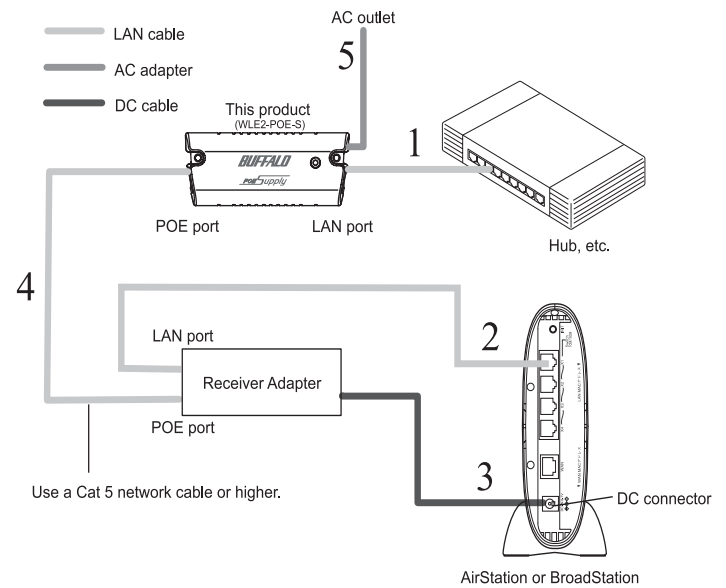## Supplying Power to non-POE-compatible AirStations

A WLE-POE-R7 or WLE-POE-R33 Receiver Adapter (sold separately) is required when supplying power to an AirStation or BroadStation that does not support Power Over Ethernet (POE).

Use the following procedure to supply power to non-POE-compatible AirStations or BroadStations.

🚫 **Prohibit**
Do not connect a hub or PC to the POE port.
Doing so may result in damage or burnout of the hub or PC. Connect this product to a Receiver Adapter's POE port.

⚠️**Caution** The WLE2-POE-S and the Receiver Adapter do not have a repeater function. The total cable length from other device connected to the product's LAN port to the AirStation or BroadStation(total length of 1, 2, and 4 in the following diagram) is 100 m max.

1 Connect the LAN port of the WLE2-POE-S to the hub or computer.

2 Connect the LAN port of the Receiver Adapter to the AirStation or BroadStation.

3 Connect the DC cable of the Receiver Adapter to the DC connector of the AirStation or BroadStation.

4 Connect the POE port of the WLE2-POE-S to the POE port of the Receiver Adapter using Cat 5 network cable or higher.
If network cable lower than Cat 5 is used, the power may not be supplied to the AirStation or BroadStation.

5 Connect the power cable to the AC Adapter of the WLE2-POE-S, and then insert the plug into the AC power outlet.

LAN cable
AC adapter
DC cable
This product (WLE2-POE-S)
POE port
LAN port
AC outlet
Hub, etc.
LAN port
Receiver Adapter
POE port
DC connector
AirStation or BroadStation
Use a Cat 5 network cable or higher.

Specifications

📝 **Note** Refer to the product catalog or Melco homepage (http://www.airstation.com/english/) for details on the most recent products and compatible models.

Compatible Products

The WLE2-POE-S can be used to supply power to the following Products (as of February, 2003).

⚠️**Caution** Always use this product to supply power to the following products. Supplying power to other products may result in damage or burnout of the equipment.

Refer to the Melco homepage (http://www.airstation.com/english/) for details on the most recent compatible models.

■ Models Compatible with POE
  ● WLM/WLMR/WLM2 series

■ Models Not Compatible with POE

● **Models Requiring the WLE-POE-R7 (sold separately)**
  ● WLA-L11G   ● WLAR-L11G-L   ● WLAR-L11-S   ● WLAR-L11-M   ● WLA-AWCG

● **Models Requiring the WLE-POE-R33 (sold separately)**
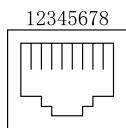 ● WBR-B11   ● WLA-G54   ● WLA2-S11   ● WBR-G54   ● BLR-TX4S

Specifications

Transmission rate		100Mbps(100BASE-TX) 10Mbps(10BASE-T)
Port	POE Port	100BASE-TX/10BASE-T dual-purpose port x 1 (only for models which compatible with POE, WLE-POE-R7 and WLE-POE-R33)
	LAN port	100BASE-TX/10BASE-T dual-purpose port x 1 (for connecting a hub or PC)
Power supply	Input (AC adapter)	100 to 240 VAC, 50/60 HzV
	Output (POE port)	48 VDC(max.)
Maximum output current		0.295mA
Maximum current consumption		14.15W
Operating environment		Temperature : 0 to 40°C Humidity : 20 to 80% (no condensation)
Dimensions(mm)		109 x 45 x 235 mm (W x D x H)
Weight		240g

* Using this device in a domestic environment may result in electromagnetic interference. Therefore, the user may need to take appropriate measures in such situations.
If any malfunction occurs, apply the following measures.
  • Increase the distance between this product and any televisions or radios.
  • Change the directional angle between this product and any televisions or radios.

Port Specifications

• LAN port

Connector form(8-position RJ-45 modular jack)

1 2 3 4 5 6 7 8

Pin No.	MDI signal	Signal function
1	RD+	Receive data(+)
2	RD-	Receive data(-)
3	TD+	Send data(+)
4	(Not Use)	Not used
5	(Not Use)	Not used
6	TD-	Send data(-)
7	(Not Use)	Not used
8	(Not Use)	Not used

• POE port

Pin No.	MDI signal	Signal function
1	RD+	Receive data(+)
2	RD-	Receive data(-)
3	TD+	Send data(+)
4	Power	Power supply
5	Power	Power supply
6	TD-	Send data(-)
7	GND	Ground
8	GND	Ground

For your safety, be sure to follow the instructions given below

Follow the instructions below to avoid harming yourself, other people and property, and to ensure safe use of the product.

For your, others and property safety be sure to read, understand and follow the instructions given below thoroughly before using the product. This manual contains instructions concerning general operation of the computer to which the product is connected in addition to those concerning the product itself.

Please take note that our warranty will not cover any failures and problems of the computer, any losses and failures of data, or failures and problems of the product caused by misuse.

■ Signs and symbols used in this manual

Warning signs:

⚠ WARNING	The instructions with this sign indicate prohibited actions. Failure to follow the instructions shown with this sign may result in death or serious injury to the user.
⚠ CAUTION	Failure to follow the instructions shown with this sign may result in injury to the user or property damage.

Symbols:

⚠	This indicates warnings and cautions. (Ex. ⚠ Exercise care to avoid an electric shock.)
⊘	This indicates prohibiting actions. (Ex. Do not disassemble.)
●	This indicates what must be done. (Ex. Disconnect the plug from the outlet.)

⚠ WARNING

Strongly recommended

Always follow the warnings and precautions indicated by the manufacturers of the PC and peripheral devices when installing and using this product.

Prohibit

Do not attempt to disassemble or repair this product.

It may result in failure, electric shock, or fire. We may refuse repair, if the seal and cover of this product are removed.

Strongly recommended

Insert the AC adapter firmly into the AC socket.

Using the equipment without the AC adapter firmly inserted may cause a short circuit or overheating, or result in fire or electric shock.

Prohibit

Do not damage, process, overheat, or attempt to repair the power supply cable, as this may result in fire or electric shock.

When installing the equipment, do not crimp the power supply cable between walls, racks (tanks), or similar.
- Do not place heavy objects on the power supply cable, or pull the cable.
- Do not place the power supply cable close to heat sources, or overheat the cable.
- When removing the power supply cable, be sure to remove it by holding the plug.
- Do not bend the cable past its natural bending radius.
- Do not move equipment with the power supply cable still connected.

If the power supply cable is damaged, consult your dealer.

Strongly recommended

Install the equipment in a location where children cannot reach the interior of the electrical equipment, cables, or connectors.

Failure to do so may result in injury.

Prohibit

Do not handle the product with wet hands.

Doing so when the AC adapter is connected to the AC power outlet may result in electric shock. Doing so even if the product is not connected to the power outlet may cause the product to malfunction.

Prohibit

Do not use the WLE2-POE-S in bathrooms or other locations with high water content or humidity.

Using the device under these conditions may result in fire or electric shock.

Remove the power supply plug

If smoke, an unusual odor, or strange sound is emitted from the product, remove the plug from the AC power supply socket.

Continuing to use the product under these conditions may result in a short circuit, fire, or electric shock. Consult the your dealer immediately.

Remove the power supply plug

Do not drop the product or subject it to severe shock. If the product is subjected to such conditions, remove the plug from the AC power supply socket.

Continuing to use the product under these conditions may result in a short circuit, fire, or electric shock. Consult your dealer immediately.

Remove the power supply plug

Do not allow the product to come in contact with liquid or foreign matter. If liquid or foreign matter enters the product, remove the plug from the AC power supply socket.

Continuing to use the product under these conditions may result in a short circuit, fire, or electric shock. Consult the your dealer immediately.

⚠ CAUTION

Strongly recommended

Thoroughly read the user's manuals for each PC and peripheral device and handle each device according to the manufacturers' instructions.

Prohibit

Do not install the product in the following locations, as doing so may result in electric shock or fire, or may adversely affect the equipment.

- Locations with strong magnetic fields (as this may result in damage).
- Locations with static electricity (as this may result in damage).
- Locations prone to vibration (as this may result in injury or damage).
- Locations that are not level (as this may result in rolling, falling, or injury).
- Locations in direct sunlight (as this may result in damage or deformation).
- Locations close to fire, or subject to heating (as this may result in damage or deformation).
- Locations where there is a danger of current leakage (as this may result in damage or electric shock).
- Locations where there is a danger of water leakage (as this may result in damage or electric shock).

Strongly recommended

To prevent damage due to static electricity, before touching the equipment, first touch a nearby metal object (such as a door handle or metal window blinds) to discharge any static electricity from your body.

Static electricity from your body may result in damage to the equipment.

Strongly recommended

Remove the dust from all connectors and do not touch the connecters.

Dust may result in failure in performance.

Prohibit

Do not obstruct or place other devices against the air vents or fans.

This may result in failure in performance.

Prohibit

Do not wipe the product with organic solvents such as thinners or benzine.

Use a dry cloth to wipe any dirt from the product. For heavy dirt, apply neutral cleaning agent to a clean cloth, wring out tightly, and wipe off the dirt.

Prohibit

Do not connect a hub or PC to the product's POE port.

Doing so may result in damage or burnout of the hub or PC. Connect a POE-compatible products to the POE port.

FCC Statement

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.

CE approved statement

CE

CE approval only applies when this product is used in conjunction with the WLE-POE-R7/R33.

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■ Specifications, designs and other descriptions in this manual are subject to change without notice.

■ This manual has been carefully prepared, however, feel free to contact your nearest sales representative if you have any questions or problems.
In addition, please note that MELCO INC. shall not be liable for any expenses incurred due to damage or loss arising from use of this product, even though MELCO INC. has been advised of the possibility of such damage.

■ This product is designed for home or office use as a general-purpose OA device. MELCO INC. shall accept no liability for any damage incurred by using the product for any other purpose.

- Do not use the product for applications that must comply with high safety requirements, such as medical instruments or any systems directly or indirectly related to saving or sustaining life.
- If using the product for applications with devices and computer systems requiring higher reliability than general-purpose OA devices, be sure to configure the system with an appropriate safety design and measures against failure.