

PROFESSIONAL WIFI

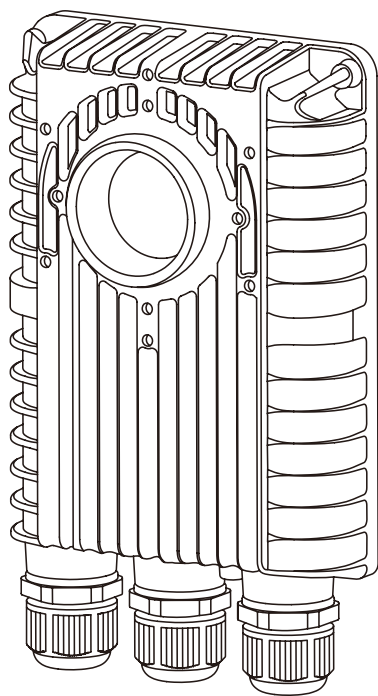
SECTOR E90

Quick Setup Guide

Integrated radio with waveguide connector

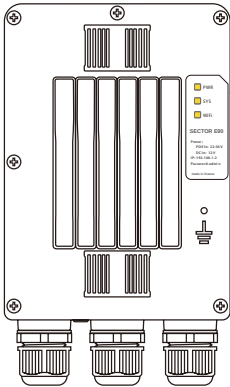
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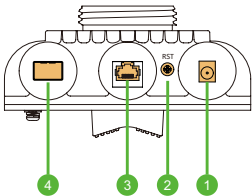
Installation • Configuration • Support

Interfaces & indicators



LED	Meaning
PWR	Power is on.
SYS	The system is operating normally.
WiFi	WiFi is enabled.

Connection panel



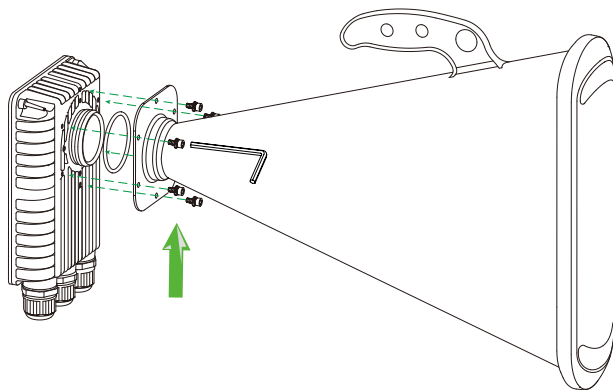
No.	Interface	Function
1	DC	12 V DC power input
2	RST	Hold for more than 8 seconds to restore factory settings.
3	ETH1 (PoE)	2.5 GbE · 802.3af/at PoE input · 22–56 V
4	SFP	2.5 GbE

02 / INSTALLATION

Prepare & assemble

- Ground cable: minimum **10 AWG (5.26 mm²)**, with a pre-terminated ring terminal.
- Gigabit NID (recommended) and a cross-head screwdriver.
- Power supply: 12–48 V DC, or isolated passive **22–56 V PoE** rated at **20 W or higher**.
- Mounting pole: **Ø30–50 mm**.
- Select an elevated location for better performance. A clear line of sight may be required.
- Install only in locations permitted by local regulations.

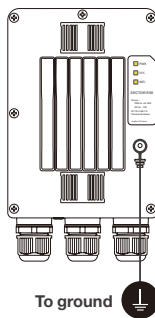
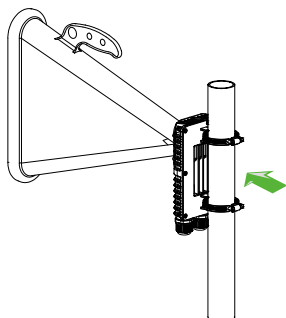
The illustrated DC input is marked **12 V DC**. Always match the power source to the rating on the device label.



1. Fit the waterproof seal onto the radio.
2. Align the antenna indicator dot with the set screw, as illustrated, then tighten the set screw.

02 / INSTALLATION CONTINUED

Mount, ground & power



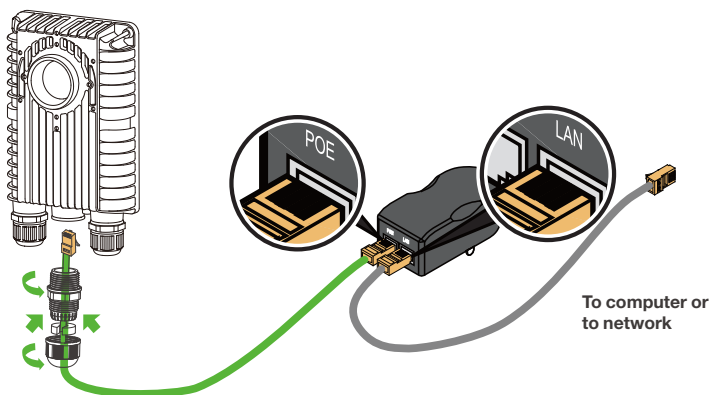
Mounting

Secure the radio to the pole using two hoop clamps.

Grounding

Attach the ground wire (not supplied) to the integrated grounding screw.

Connect the PoE supply



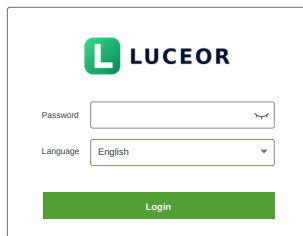
Pass a shielded CAT6/6A Ethernet cable (not supplied) through the M25 sealing gland, connect it to the radio, then hand-tighten the gland.

Attention: Use shielded Category 6 or higher for all wired Ethernet connections. Damage caused by a PoE adapter not supplied by LUCEOR is not covered by the warranty.

03 / FIRST CONNECTION

Web configuration

- 01 Check that all cables are correctly connected.
- 02 Set a static IP address on the computer in the **192.168.1.x** subnet, where x is **10–254**.
- 03 After powering up, wait a few seconds and open **192.168.1.2** in a web browser.
- 04 When prompted, enter **admin** as password.
- 05 For operating modes and wireless settings, visit **www.luceor.com**.



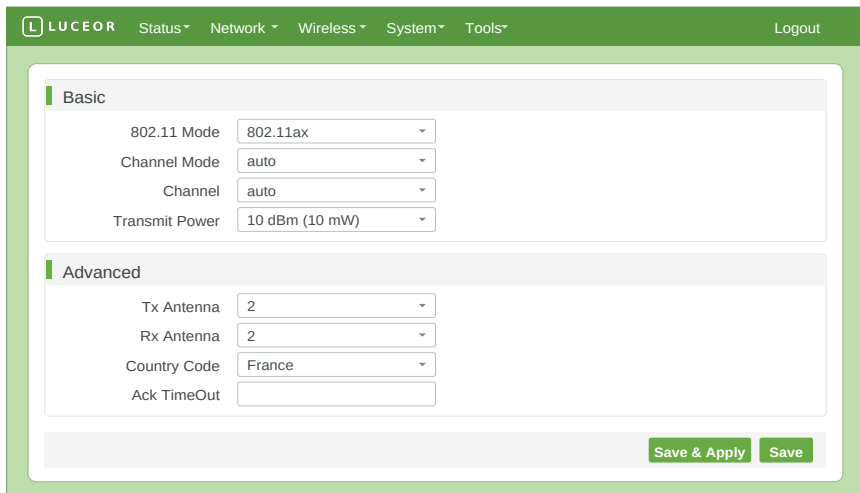
The login screen features the Luceor logo at the top. Below it, there is a 'Password' field with a text input and a small eye icon for toggling visibility. Underneath is a 'Language' dropdown menu currently set to 'English'. At the bottom is a large green 'Login' button.

Device login

Installer compliance

Installation must be carried out by a professional. The installer is responsible for compliance with local radio regulations.

On the **Wireless** page, set **Country Code** for the installation country. Region selection affects channels and transmit power; use settings that meet local requirements.



The web configuration interface has a green header bar with the Luceor logo and navigation tabs: Status, Network, Wireless, System, and Tools. A 'Logout' link is on the right. The main content area is divided into two sections: 'Basic' and 'Advanced'. The 'Basic' section contains four dropdown menus: '802.11 Mode' (set to 802.11ax), 'Channel Mode' (set to auto), 'Channel' (set to auto), and 'Transmit Power' (set to 10 dBm (10 mW)). The 'Advanced' section contains four dropdown menus: 'Tx Antenna' (set to 2), 'Rx Antenna' (set to 2), 'Country Code' (set to France), and 'Ack TimeOut' (empty). At the bottom right are two green buttons: 'Save & Apply' and 'Save'.

04 / SAFE INSTALLATION

Safety information

- Read, follow and retain these instructions.
- Observe every warning.
- Use only attachments and accessories specified by the manufacturer.

Warning

Do not install the product where it could become submerged. Avoid using it during electrical storms: lightning may create a risk of electric shock.

Electrical safety

Match the voltage, frequency and current requirements stated on the manufacturer's label. An unsuitable power source may cause malfunction, equipment damage or a fire hazard.

There are no user-serviceable parts inside the equipment. Only a qualified service technician may service it.

The detachable power cord includes a protective earth conductor and is intended for connection to an earthed safety outlet.

- Use only the supplied, approved cord type. Do not use an adapter for a two-wire outlet, as this defeats the protective earth connection.
- Earthing is required for safety certification. Modifying or misusing it may cause electric shock, serious injury or death.
- Before connecting the equipment, ask a qualified electrician or the manufacturer about any installation uncertainty.
- Protective earthing is provided by the listed AC adapter. The building installation must include suitable short-circuit backup protection.
- Install protective bonding in accordance with applicable local and national wiring rules.

05 / COMPLIANCE

Regulatory information

CE marking



CE marking indicates conformity with all applicable directives. Where restrictions on use apply, an alert symbol must follow the CE mark.

RoHS / WEEE



European Directive 2002/96/EC requires equipment bearing the crossed-out wheeled-bin symbol on the product or packaging to be disposed of separately from unsorted municipal waste.

Dispose of electrical and electronic equipment at designated government or local-authority collection facilities. Correct disposal and recycling protect the environment and human health. Contact your local authority, waste service or retailer for details.

FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to both of these conditions:

- The device must not cause harmful interference.
- The device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate the equipment.

Tests confirm compliance with FCC Part 15 Class B digital-device limits, designed to provide reasonable protection in residential installations. This equipment generates, uses and may radiate radio-frequency energy. Incorrect installation or use may interfere with radio communications. Interference cannot be ruled out in any particular installation.

If switching the equipment off and on confirms interference to radio or TV reception, try these measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Use an outlet on a different circuit from the receiver.
- Ask the dealer or an experienced radio/TV technician for help.

RF exposure: The equipment complies with FCC exposure limits for an uncontrolled environment. Keep at least **20 cm** between the radiator and your body during installation and operation.

06 / AFTER INSTALLATION

Warranty & support

Limited warranty

LUCEOR warrants that the supplied product is free from defects in materials and workmanship for **one (1) year from shipment**, under normal use and operation.

LUCEOR's sole obligation under this warranty is, at its discretion, to repair or replace a product that fails to meet this warranty during that period. Removal and reinstallation costs are excluded. Repairs or replacements do not extend the original warranty term.

Warranty conditions

The warranty does not apply if the product:

- Has been altered, modified or added to without LUCEOR's written approval, except by LUCEOR or an authorised representative.
- Has been painted, rebranded or otherwise physically modified.
- Has damage caused by incorrect or defective cabling.
- Has suffered misuse, abuse, negligence, abnormal physical, electromagnetic or electrical stress, lightning, or an accident.
- Has been damaged or impaired by third-party firmware.
- Is missing its original LUCEOR MAC/SN label or any other original LUCEOR label.
- Has been damaged through use that does not follow this guide or the user manual.

Coverage also requires correct installation and use in accordance with the product documentation. All Ethernet runs must use CAT5 or higher; outdoor runs must use shielded Ethernet cable, and indoor runs must meet indoor cabling requirements.

Online Support

For more guide and help, please visit our website www.luceor.com

Email contact: sales@luceor.com