

Installation Instruction

Equipment Symbols and Compliance

Table 3 identifies markings used on ION-E hardware and defines what these markings mean, including required user compliance. Please observe the meanings of the listed symbols and compliance warnings.

Table 3. Compliance Labels

Symbol	Compliance	Meaning
–	FCC	For industrial (Part 20) signal booster: WARNING: This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.
–	ISED	WARNING: This is NOT a CONSUMER device. It is designed for installation by an installer approved by an ISED licensee. You MUST have an ISED LICENCE or the express consent of an ISED licensee to operate this device.
CE	CE	To be sold exclusively to mobile operators or authorized installers - no harmonized frequency bands, operation requires license. Intended use: EU and EFTA countries. Indicates conformity with the RED directive 2014/53/EU and/or RoHS directive 2011/65/EU.
CE 0700	CE	Indicates conformity with the RED directive 2014/53/EU and RoHS directive 2011/65/EU certified by the notified body no. 0700.

Health and Safety Precautions

Observe all cautions and warnings listed in this section.



A high leakage current ground (earth) connection to the Power Supply Unit (PSU) is essential before making any other connections to the PSU.



Laser radiation. Risk of eye injury in operation. Do not stare into the laser beam; do not view the laser beam directly or with optical instruments.



High frequency radiation in operation. Risk of health hazards associated with radiation from the antenna(s) connected to the unit. Implement prevention measures to avoid the possibility of close proximity to the antenna(s) while in operation.



The unit is to be used only with Commscope (NEC Class 2) or Limited Power Source ION-E subrack, or equivalent.

Property Damage Warnings



Keep operating instructions within easy reach and make them available to all users.



Only license holders for the respective frequency range are allowed to operate this unit.



Read and obey all the warning labels attached to the unit. Make sure that all warning labels are kept in a legible condition. Replace any missing or damaged labels.



Make sure the unit's settings are correct for the intended use (refer to the manufacturer product information) and regulatory requirements are met. Do not carry out any modifications or fit any spare parts, which are not sold or recommended by the manufacturer.

General Installation Safety Requirements



Wet conditions increase the potential for receiving an electrical shock when installing or using electrically powered equipment. To prevent electrical shock, never install or use electrical equipment in a wet location or during a lightning storm.



This system is a RF Transmitter and continuously emits RF energy. Maintain a minimum 8-inch (20 cm) clearance from the antenna while the system is operating. Whenever possible, shut down the RAN before servicing the antenna.



Do not remove caps from any of the connectors until instructed to do so.



A CAP L with a Copper Interface is not designed for outdoor installations—it is not lightning protected. However, the antenna to which the Copper Interface units attach can be outdoors if suitable lightning-protection devices are used at the antenna site.

Guard Against Damage from Electro-Static Discharge



Electro-Static Discharge (ESD) can damage electronic components. To prevent ESD damage, always wear an ESD wrist strap when working with ION-E hardware components. Not all ION-E hardware requires grounding. For those ION-E hardware components for which grounding is required, connect the ground wire on the ESD wrist strap to an earth ground source before touching the ION-E component. Wear the wrist strap the entire time that you work with the ION-E hardware.

COMPLIANCE AND STANDARDS CERTIFICATION



This is class A equipment. This equipment can cause radio interference in domestic areas. In this case the operator can be asked to start preventive action.