

## Capricorn Pro 4 Installation Note

This installation note is applicable for SkyEdge II-c Capricorn Pro 4 DC series:

To install the SkyEdge II-c Capricorn Pro 4 CPE, the installer must:

- Be trained in installing the SkyEdge II-c Capricorn Pro 4 CPE
- Be familiar with the SkyEdge II-c CPE Installation Manual (DC-103322-X)
- Have the CPE configuration parameters available

The SkyEdge II-c Capricorn Pro 4 CPE is designed to be installed on a shelf in a 19-inch rack, secured to the cabinet by the rack mount ears.

The CPE can be installed with either front or rear panel facing forward. By default, the CPE is supplied with rack-mount front ears secured to the front panel. The installation kit includes an additional pair of rack-mount back ears for securing to the CPE rear panel to install the CPE with the rear panel facing forward.

The CPE may contain a built-in DC Inserter.

### Unpacking Guidelines

1. Unpack the Capricorn Pro 4 CPE unit and its accessories.
2. Compare with the supplied BOM and verify that all the items are supplied in good condition.



VSAT AC and DC power supplies are provided by Gilat. If the power to the VSAT is not through an AC or DC adaptor (e.g., batteries, solar panels, rectifier ETC), the power solution must be approved by the Gilat Technical Support.



### CAUTION

- **THE CPE MUST BE GROUNDED PRIOR TO INSTALLATION BY ATTACHING ONE END OF THE GROUNDING CABLE TO THE GROUNDING STUD ON THE REAR OF THE CPE, AND THE OTHER END TO THE SITE MAIN GROUND CONNECTION. 18AWG GROUNDING CABLE SHOULD BE USED.**
- **THE CPE MUST BE CONFIGURED PRIOR TO ATTACHING THE RF CABLES.**
- **THE POWER CABLE MUST BE DISCONNECTED FROM THE CPE PRIOR TO CONNECTING THE RF CABLES.**

### General Precautions

- Do not block the ventilation openings of the CPE or place any object on top of the CPE.
- Do not place the CPE in a location that would deviate from typical ambient environmental conditions of temperature, humidity, and moisture.



### WARNING

**BEFORE INSTALLING THE UNIT, VERIFY THAT THE ANTENNA AND DC POWER CORD ARE GROUNDED SO AS TO PROVIDE PROTECTION AGAINST VOLTAGE SURGES AND STATIC CHARGES. SECTION 810 OF THE US NATIONAL ELECTRICAL CODE, ANSI/NFPA 70, AND SECTION 54 OF THE CANADIAN ELECTRICAL CODE PROVIDE INFORMATION WITH REGARD TO PROPER GROUNDING OF THE MAST AND SUPPORTING STRUCTURE, GROUNDING OF THE LEAD-IN WIRE TO AN ANTENNA DISCHARGE UNIT, SIZE OF GROUNDING CONDUCTORS, LOCATION OF ANTENNA DISCHARGE UNIT, CONNECTION TO GROUNDING ELECTRODES AND REQUIREMENTS FOR THE GROUNDING ELECTRODE.**

### Connecting Grounding Cable

Connect the grounding cable (GND) from the CPE to the approved site.

### Connecting Power



### WARNING

**THE UNIT MAY HAVE MORE THAN ONE POWER CORD. TO REDUCE THE RISK OF ELECTRIC SHOCK, DISCONNECT ALL POWER CORDS BEFORE SERVICING THE UNIT.**

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The Capricorn CPE is powered with a 48VDC external power source. The CPE power connection uses the supplied Gilat power cables (CB000912) that include a 7A fuse on the “+” wire. An accessible two pole circuit breaker (Rated 10A) must be provided in the building for the DC power feed source

In case of dual power supplies connect both inputs to the relevant power sources.

### Connecting LAN Cable

Use only CAT-5 type cables to connect to the LAN port.

### Connecting RF Cable

Connect the two RF cables (from the LNB and ODU) to the RF-IN and RF-OUT connectors, respectively, as shown below, using a recommended torque of 13 lb\*ft/in (1.5 N/m).



### CAUTION

TO PREVENT DAMAGE TO THE RF CONNECTORS, SECURE THE CABLES TO A PERMANENT, STATIC OBJECT SUCH AS A TABLE OR PIPE, AT A DISTANCE OF 25-60 CM (10-25 IN.) FROM THE CPE, PRIOR TO CONNECTION.

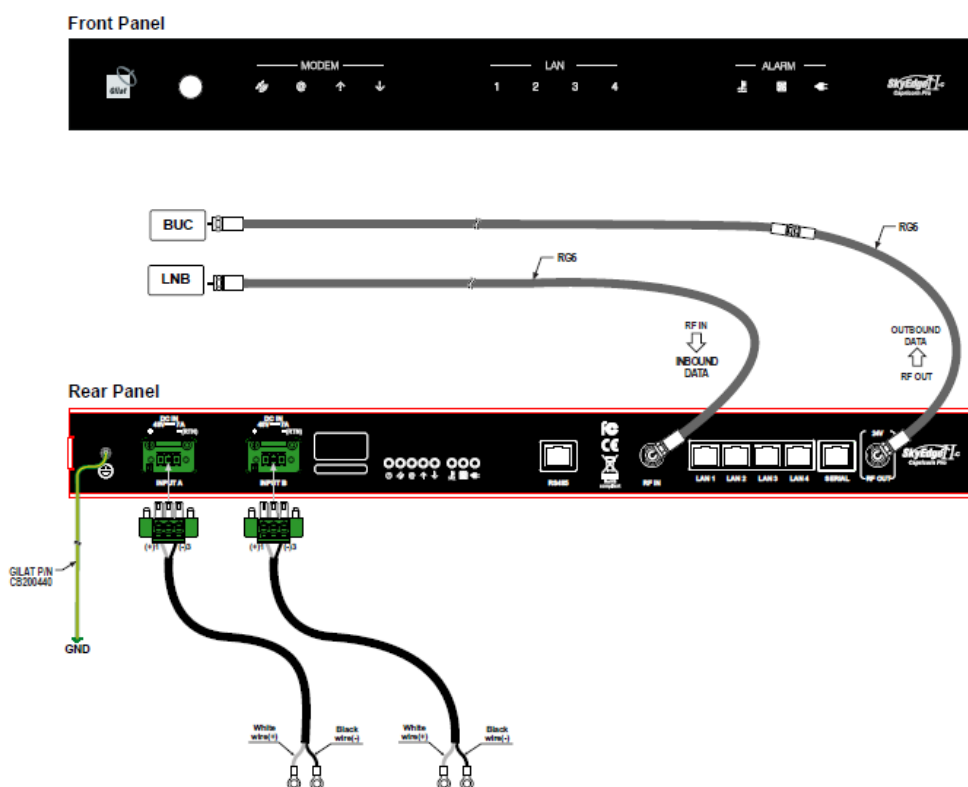


Figure 1: Capricorn Cables

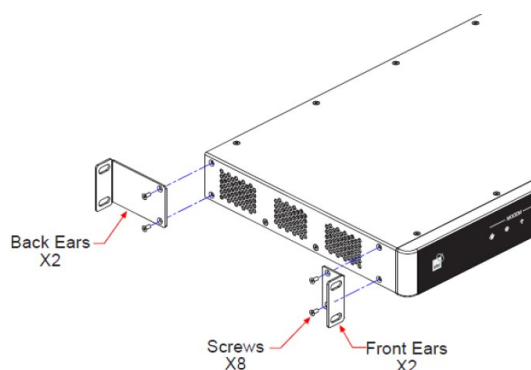


Figure 2: Capricorn MEC Rack-Mount

### (Optional) Attaching Rack Mount Back Ears

To install the CPE with the rear panel facing forward:

1. Remove the screws holding the rack-mount front ears.
2. Remove the rack-mount front ears.
3. Secure the screws to the front panel.
4. Remove the screws from the rear panel.
5. Unpack the rack-mount back ears from the installation kit
6. Install the rack-mount back ears to the rear panel and tighten the screws.