

Step 1: Unpacking

- Open the box.
- Remove the Platinum chassis from the box
- Verify the package content against your purchase order
- Remove the protecting material
- Inspect the unit for any shipping damage.

If any items are damaged, contact Foxcom customer support



- Make sure that the box contains a CD of the Installation & User's Guide, two AC power cords, chassis handles.

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SAT-LIGHT Platinum Installation & Setup Guide



Step 6: Connecting optical fibers & optical measurements

- Connect the optical fiber between the optical transmitter and the optical receiver
- If you are using CWDM/WDM configurations, connect the optical fiber from the transmitter to the appropriate input on your Platinum optical device (WDM, CWDM etc), ensure that the output of the passive optical device is connected to the optical receiver input.



After securing all the fiber connections use the optical receiver embedded in the optical power meter [accessed via the Monitor section on the LCD] verify that the optical receiver is reading the appropriate light levels.



Step 2: Mounting in a rack

- Use a cross [Philips] screwdriver to attach the handles to the chassis.
- Install the chassis in the rack, make sure you leave at least 1RU of space above and below the chassis to enable proper air flow.



Step 4: Connecting the RF

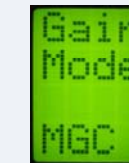
- Connect the RF source signal into the Platinum optical transmitter RF input.
- If you are using a redundant system which includes Platinum RF passive devices (such as an RF splitter, RF diplexer etc.), connect the RF signal into the common port of the passive RF device. Ensure that the passive device is connected to the optical transmitter through the correct output.

- If your system includes an RF amplifier ensure that the RF source signal is connected to the RF Amp input. Connect the RF output of the RF Amp to the optical transmitter RF input.
- For optimum performances use connector/cables with the same impedance as used in the Platinum chassis.



Step 7: Setting the receiver operating mode and connecting the signal to the destination

Use the optical receiver keypad and front panel LCD to select the operating mode (AGC/MGC). Adjust the required RF power output.



- Connect the optical receiver RF output into satellite receiver input.
- If you are using a redundant system with a Foxcom Platinum RF 1:1 switch device ensure that the RF output of the optical receiver is connected to the RF switch input. Connect the RF output of the RF switch to your satellite receiver/up-converter.
- If you are using a Foxcom Platinum system with an RF amplifier as a Post RF amplifier ensure that the optical receiver RF out is connected to the RF Amplifier input. Connect the RF output of the RF switch to your satellite receiver/up-converter.

Step 3: Connecting to power

- Two power cords are supplied, one for each power supply.. Attach each power supply to a different AC phase source to create AC power redundancy.
- If your power cord is not equipped with an electrical plug, purchase a suitable one. The correct wiring order is:

Brown ~ (Phase)
Blue 0 (Neutral)
Yellow/green GND



Step 5: Configuring the transmitter

- Use the optical transmitter keypad and front panel to:
1: Enable/Disable the LNB and select the LNB voltage.
2: Select the gain control mode (AGC/MGC)
- In AGC MODE select the required IMD. IMD parameter can be adjusted from 50 to 40dBc.
- In MGC MODE insert the **User RF Power Input** and select the required IMD.

The **User RF Power Input** is the "composite" RF power applied to the optical transmitter RF input, If the exact value is unknown it can be measured using the internal RF power detector embedded in the optical transmitter. To access the embedded RF power meter scroll through the LCD menu and look for the RF power input found under the monitor section.

Step 8: Configuring the PL700 [MCP]

1. Connect the PL700 to your LAN using an Ethernet cable.
2. Run your web browser.
3. Login into the MCP *either* with your local IP address or use the default IP address **192.168.9.240**.

Important: To view the graphics properly, **Java Standard 6 Edition**, or later, must be installed on your computer.

For more information see **The Sat-Light/Platinum Installation and User's Guide** included in the Production Information & Technical Resources CD.

Warning
To insert or remove a card from the chassis use a smooth movement. **Do not** exert force on the backplane. **Always** handle with care.