

Basic Setup

The M3C4G is designed to be pre-configured prior to mission deployment, allowing the field operator to quickly activate the unit and establish communications via any IP-based FE connection (i.e., VSAT Modem, BGAN Terminal, and LAN). The unit, which typically consists of a primary chassis and an optional auxiliary chassis, can be used either in or outside its case.

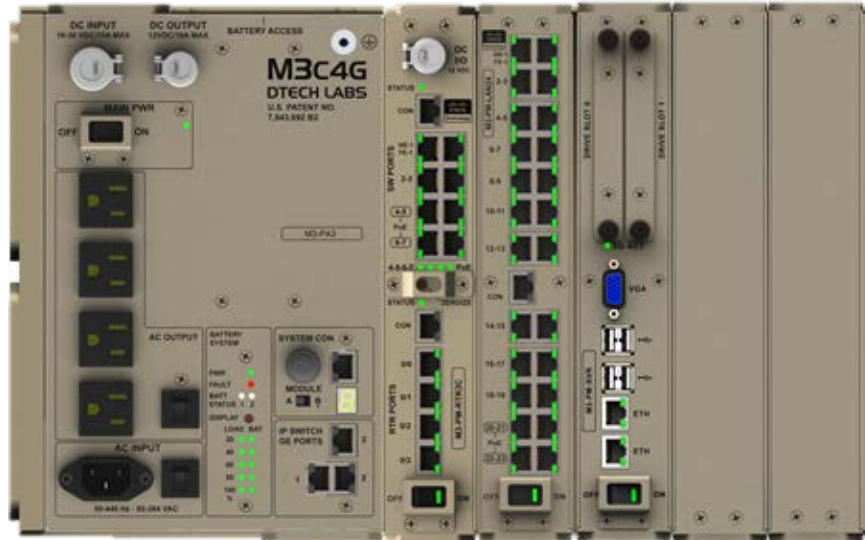


Figure 1: Basic Configuration

Module Setup

NOTE: No power or networking cables should be attached to the M3C4G or any modules prior to installation. Ensure ALL POWER SWITCHES are OFF prior to placing the module(s) in the chassis.

To get started:

1. Unpack and inspect each of the components to ensure that there has been no physical damage during transit. Packing materials should be saved to facilitate factory return in the event of damaged goods.
2. Ensure M3C4G chassis is placed in a clean and dry environment.
3. Ensure there is a minimum of three (3) inches (7.5 cm) clearance from any air intake/exhaust vent, power switch, or physical ports.

On the back of each slot, in the primary and auxiliary chassis units, are two (one near the top and one near the bottom) “guide posts”, along with a single backplane connector. Modules are inserted into the slot and held in place using two mounting screws on the top/bottom of each module. Prior to installation, the connectors on the back of the chassis and the module should be checked for debris and misaligned pins. The module should slide smoothly onto the guide posts and attach firmly to the connector. Once in place, insert the two mounting screws. **NOTE:** Modules should be installed one at a time.

To setup modules:

1. Ensure the main power switch is **OFF**. **NOTE:** If you are setting up more than one module, ensure the power switch is off on ALL of them.

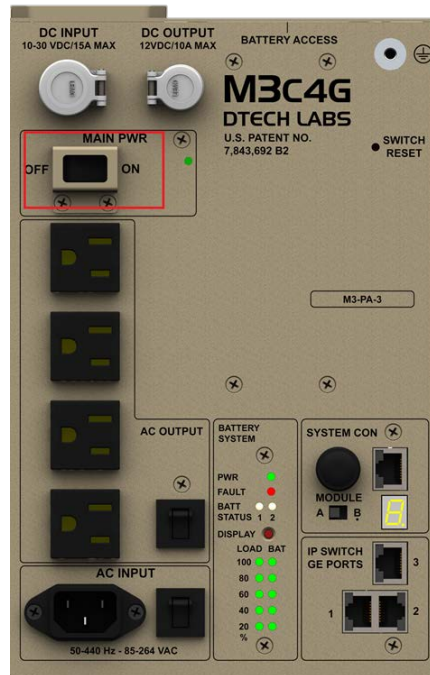


Figure 2: Main Power Switch

2. Inspect individual module connectors, for misaligned pins or debris.
3. Place and connect the power control module in the chassis.
4. Add other modules as necessary.
5. Secure modules with screws.
6. If applicable, connect one end of the provided 12 VDC power cable to the power supply and the other to an auxiliary chassis.
7. Connect the two sections of the provided power supply cable.
8. Connect the supplied AC and/or DC power cable to the M3-PA3 and the other end to an external power source (e.g., wall outlet, generator, vehicle power, etc.).
9. Connect the applicable network cables (LAN, WAN, etc.)
10. Add user devices, such as computers and phones using the applicable ports.
11. Turn on **MAIN PWR**. The LED next to it illuminates **green**.
12. Add and turn on additional modules as necessary. **NOTE:** The LEDs of some individual modules may blink intermittently as they are booting, once they have reached a solid state the modules are ready for operation. For more LED color definitions, please see the specific module chapter and the section labeled “LED Color Information”.

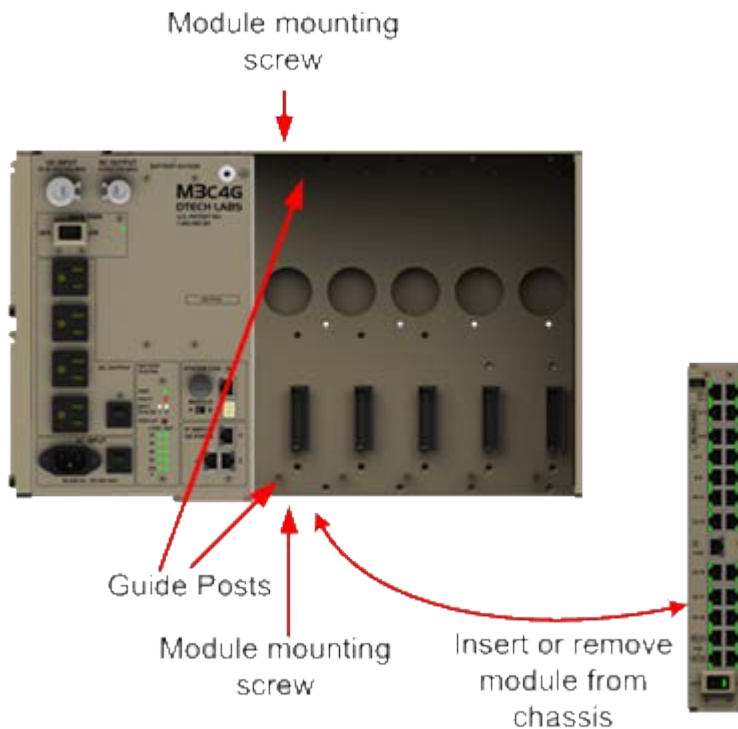


Figure 3: Adding a Module

Transporting and Handling

The M3C4G, while intended for mobile applications, is not a fully ruggedized device unless it is transported in the included hard case (in no situation is the unit designed to be dropped or mishandled).

There are two standard case options for the M3C4G.

- Airline Carry-on Version: Pelican 1510 or STORM iM2500 equivalent



Figure 4: Pelican 1510 Case

NOTE: Supports both a Primary and Auxiliary Chassis, but does not provide any Accessory Slots or Accessory Pouch.

- Standard Version: Pelican 1560



Figure 5: Pelican 1560 Case

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- Offers a slightly larger case interior and the ability to store accessories in two front cut-out accessory slots as well as support an optional External Battery Tray (supporting up to 4ea BA5590 or BA2590 units).

NOTE: To remove the primary or auxiliary chassis units from the case, lift the chassis by the side rails.