Madison Commander.

Faster, Easier, More Secure

The professional, pre-configured solution for indoor cellular repeaters.

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Why Use the Madison Commander?

Madison Commander is a pre-wired, lockable cabinet designed for fast, efficient installation of CEL-FI GO-41 or 51 Repeaters.

Fast, Simple, Easy Installation

With the complexities of system installation already addressed at the factory, on-site installation becomes straightforward and considerably faster. Labour savings on site result in considerably lower installation costs.

Reduced Component Inventory

The Madison Commander is comprised of more than 80 separate components - cables, connectors, mounting fixtures, cable management accessories, fans, filters, 12V DC power distribution, WAN / LAN router equipment, etc. The design uses precision components and these are included in every system. The cost and time burden of ensuring all of these components are on hand for the on-site installation eliminated.

Enhanced Long-Term Reliability

The interconnect wiring for the Repeaters looks simple, but is deceptively difficult. It required high skill levels and experience due to the precision required.

Component tolerances are very tight; cable lengths and bend-radius are critical; co-axial connectors need to be torqued tight according to their specification; fan-forced ventilation is essential to keep the equipment within temperature limits; fans need to be near silent and have a very long service life. The design and assembly processes address all of these factors.

Security

The cabinet is lockable and tamper proof. This critical mobile phone infrastructure is protected from accidental interference and malicious damage.

Appearance

The cabinet blends into an office or building environment and is visually appealing. It offers a fabulous improvement over what would otherwise be a dust-gathering nest of cables and equipment individually mounted to walls or cupboards.
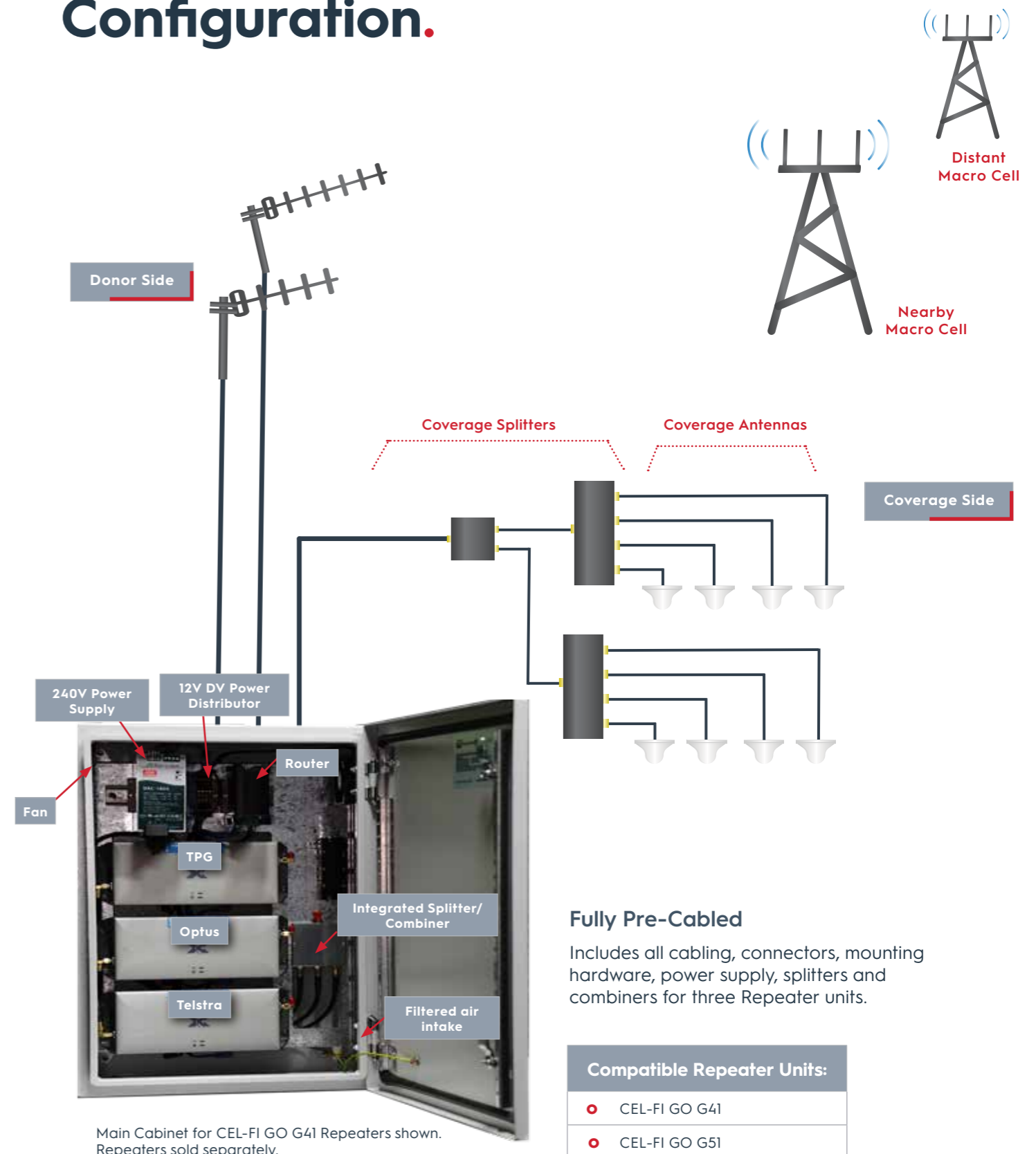
The finished product looks polished and professional.

When compared to a traditional on-site configuration of multiple cellular repeaters, the Madison Commander:

- is quicker to install
- looks fabulous
- is secure
- improves system up-time
- can be configured and tested before it gets to site

Typical Configuration.

Distant Macro Cell

Nearby Macro Cell

Donor Side

Coverage Splitters

Coverage Antennas

Coverage Side

240V Power Supply

12V DV Power Distributor

Router

Fan

TPG

Optus

Integrated Splitter/ Combiner

Telstra

Filtered air intake

Main Cabinet for CEL-FI GO G41 Repeaters shown. Repeaters sold separately.

Fully Pre-Cabled

Includes all cabling, connectors, mounting hardware, power supply, splitters and combiners for three Repeater units.

Compatible Repeater Units:
○ CEL-FI GO G41
○ CEL-FI GO G51

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Madison Commander - Main and Expansion Cabinets.

Main: The Madison Commander Main Cabinet contains a Mobile Router for remote comms connectivity.

Expansion: Where multiple cabinets are required, the first will be the Main Cabinet and the rest will be Expansion Cabinets. Expansion Cabinets have an Ethernet Switch wired back to the Mobile Router in the Main Cabinet.

System Configuration			
Cabinet	**Pre-Wired for CEL-FI Model**	**Comms Connection**	**Part No.**
Main	G41 (x3)	Mobile Router	MCS-604041- M
Expansion	G41 (x3)	Ethernet Switch	MCS-604041- E
Main	G51 (x3)	Mobile Router	MCS-604051- M
Expansion	G51 (x3)	Ethernet Switch	MCS-604051- E

Connect with us.

Contact us at one of our locations for help or more information.

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