Satellite to Radio Link Simplified

LMR-MSAT G2, PTT Radio Interface


The LMR-MSAT G2 interface brings the interoperability experience of the radio interoperability market leader together with the enhanced features of the LightSquared G2 satellite radio.

The objective of the interface is to provide a “dismounted” officer with a seamless bridge between an LMR portable radio and a G2 satellite transceiver that:

(a) Requires no programming—easier setup adjustment than a “standard” ICRI.
(b) Uses an audio “buffer” of sufficient duration to permit the G2’s “ready” tone to be ignored.
(c) Permits the satellite network antenna to be optimally located (away from buildings, wooded areas).

With the G2 and a mobile radio in a vehicle—an officer can roam as far as his portable to mobile RF comms link will permit while maintaining the G2 satellite connection. The audio buffer in the LMR-G2 permits the officer to key his portable radio and immediately begin speaking—no special learning curve to make the radio work with the satellite link. The patented ICRI VOX circuit is integrated into the LMR-G2 interface to key the LMR and G2. Additionally, a version of the LMR-G2 with COR and balanced audio I/O for repeaters has been produced.

Additional unique features of the LMR-G2:
- The G2 handset retains all its standard functions while the interface is in-place.
- The interface is only 5”x4”x1” and draws only 60mA, power is taken through the G2.
- The same LMR interface cables used for the ICRI are used with the new interface.
- Total cost for the LMR-G2 including user-selected radio interface cable is $1050 (approximately, variable by radio interface cost).

For additional information or a no cost 30 day demo, contact C-AT.

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Satellite to Radio Link Simplified

ICRI-MSAT G2, PTT Radio Interface

The ICRI-MSAT G2 interface brings the interoperability experience of the radio interoperability market leader together with the enhanced features of the LightSquared G2 satellite radio.

The objective of the interface is to provide multiple agencies with a seamless bridge between their radios and a single G2 satellite transceiver that:

(a) **Requires no programming**—even less setup adjustment than the ICRI.
(b) Uses a 3 second audio “buffer” to permit the G2’s “ready” tone to be ignored. The audio buffer in the LMR-G2 permits the officer to key his portable radio and immediately begin speaking—**no special learning curve** to make the radio work with the satellite link. The patented ICRI VOX circuit is integrated into the ICRI-G2 interface to key the radio connected to the ICRI and G2.
(c) Permits the satellite network antenna to be optimally located (away from buildings, wooded areas).

Additional unique features of the ICRI-G2:

• The G2 handset retains all its standard functions while the interface is in-place.
• The interface is only 5”x4”x1” and draws only 60mA, power is provided by the G2 so a separate battery or DC supply is needed.
• The same LMR interface cables used for the ICRI are used with the new interface.
• Total cost for the ICRI-G2 including user-selected radio interface cable is $660 (approximately, variable by radio interface cost).

For additional information or a no cost 30 day demo, contact C-AT.

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