

Messenger 2 Transmitter – Camera/Rack-Mount Kit (M2T-CR)

COBHAM

The most important thing we build is trust.



Applications

- Electronic News Gathering (ENG)
- Sports
- Helicopter Links
- UAV/UGV Applications
- Mobile and Portable AV Applications

Key System Features

- M2T-C Quick Release Mount
- Internal or External (Mast Mount) High-Power Amplifiers
- AC & DC Operation
- Rack-Mountable W / Slides

The M2T-CR is a rack-mount kit that converts the in-line Messenger 2 Transmitter – Camera mount (M2T-C) camera transmitter into a rack-mounted C-OFDM transmitter. Both the M2T-CR's front and top panels are hinged for easy installation and removal of the M2T-C. This allows the M2T-C to be used both as an on-camera transmitter as well as a rack-mounted transmitter. The M2T-CR allows the M2T-C to be powered with either 12 or 28 VDC (Model dependant) or 108-240 AC @ 50 or 60 Hz. The M2T-C's local control panel can be accessed through the M2T-CR's front panel allowing local control of the transmitter. Additionally, remote control is available via a USB port or optional wireless command link.

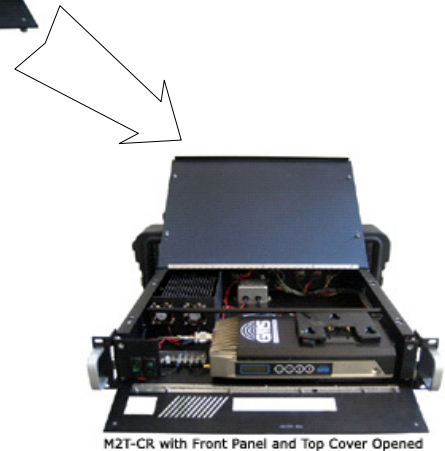
The M2T-CR adds support for either internally or externally mounted High Power Amplifier (HPA). Remotely mounting the HPA at the antenna location minimizes RF losses and provides maximum power to the Antenna. DC power for the external PA can be supplied through the coax cable by the M2T-CR. This kit includes two Bias-Ts, one for each end of the coax supplying RF and power to the remote HPA. A separate power control switch is provided to enable the HPA. The M2T-C provides a signal that keeps the HPA off until the M2T-C's output signal is enabled and stable.

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Get two products in one!

High Power Transmitter



Wireless Camera Transmitter

A High-Power Audio/Video Transmitter and a Wireless Camera Transmitter.

GMS can support special requirements such as the addition of Analog FM transmission hardware. Contact GMS Sales at (760) 496-0055 for questions or custom modifications.



Optional External HPA



M2T-CR Rear Panel

Specifications subject to change without prior notice
Typical values shown unless min or max is specified
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Specifications:

COFDM RF Output

Output Frequency: 1 to 7 GHz (In-Bands)

RF Output Power: Up to 15 W (Model Dependant)

Connectors

RF Output: N-F

Video Composite: BNC-F

Video SDI/HD-SDI: BNC-F

ASI Out: BNC-F

Audio: 3 Pin XLR-F (2 audio connectors)

RS-232: DB-9 F

Pin 2 - Tx

Pin 3 - Rx

Pin 5 - GND

User Data: DB-9 F

Pin 2 - Tx

Pin 3 - Rx

Pin 5 - Gnd

Pin 6 - Fwd Pwr Det

Pin 7 - Rev Pwr Det

USB: Type B Jack

DC Power: PTO 4P M Jack (PTO2E-12-4P)

Pin A&B: +Vcc

Pin C&D: GND

AC Power: 3 Prong module (10 Amp fused)

85-256 VAC (47-63 Hz)

Physical

Dimensions:

16" (W) x 16.94" (D) x 3.5" (H)

40.64cm (W) x 43.03cm (D) x 8.89cm (H)

Width with handles 18.658" / 47.391 cm

Weight: 15.4 lbs (6.99 kgs)

(without M2T-C transmitter)

DC Power

DC Range: 10.5 -15 V @ 9–10 amps (opt)

24-32 V @ 4.7-5.5 amps (opt)

(model dependant)

AC Power

120VAC @ < 1 amp

Environmental

Operational Temperature: -10 to 65 deg C

Humidity: Up to 100% non-condensing

Control

M2T-CR can be controlled through either its USB-1 or RS-232 control ports via the CMT MS Windows based control application.