

# Configurable Messenger Transmitter Rack-Mount Kit (CMT-R)

**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

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

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

The CMT-R 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 CMT-R. 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 CMT provides a signal that keeps the HPA off until the CMT'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



CMT 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 CMT transmitter)

### DC Power

12 VDC

DC Voltage Range: 9-15 V @ < 10.5 amps

28 VDC

DC Voltage Range: 24-32 V @ < 5.5 amps

### AC Power

120VAC @ < 1 amp

### Environmental

Operational Temperature: -10 to 70 deg C

Humidity: Up to 100% non-condensing

### Control

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