

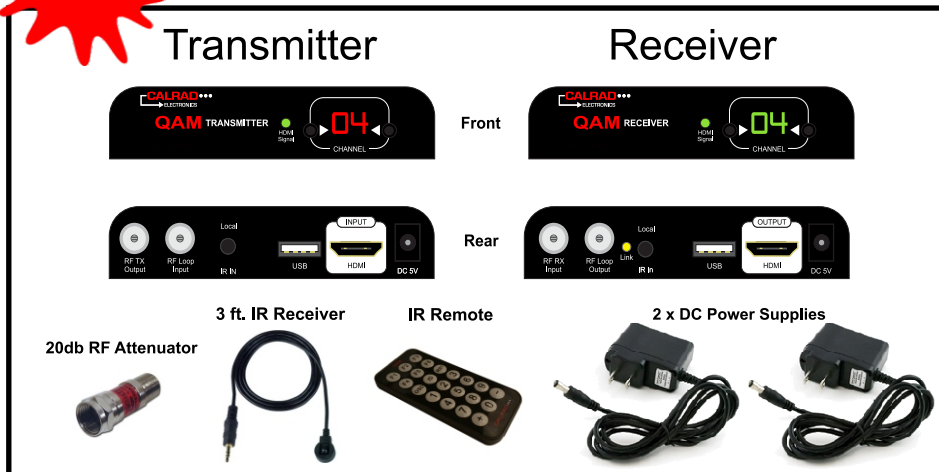


# New QAM Gen3



For technical assistance  
call: 323-465-2131

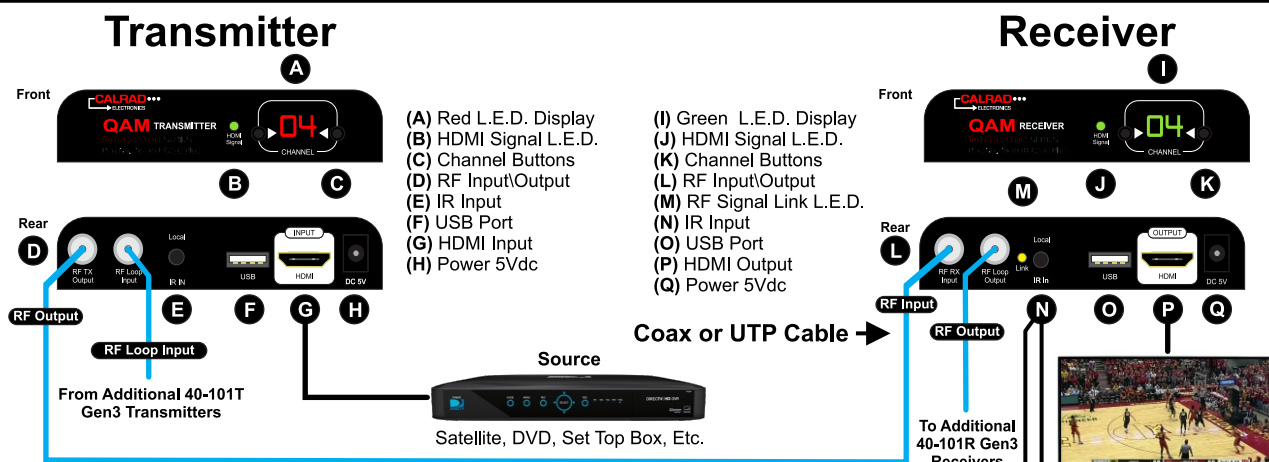
**Part No. 40-101 Gen3**  
100 Channel  
QAM RF HDTV (1080p)  
Transmitter and Receiver  
Over Coax or Cat5e-Cat6  
UTP Cabling



## Features \ Technology For optional accessories and further information, visit our website at: [www.calrad.com/calrad-qam](http://www.calrad.com/calrad-qam)

The Calrad 40-101 Gen3 QAM product line has many new features, improvements and future hardware and software options built-in. See the **New Features** list below for more details. HDCP handshaking is always connected on the Transmitter and Receiver for reliable signal delivery. Bi-directional signal transmission over a single cable. HDMI 1080p HD signals can run over standard shielded RG59, RG6 cables or a single pair of UTP Cat5e, Cat6 cabling (Specific Adapters Required), even legacy shielded audio and video cables can be used. Deliver 1080p HDTV signals long distances up to 2,500 ft. over RG6 quad cable. Select and deliver multiple HDTV video sources from up to 100 channels over a broad frequency range. Use QAM Transmitters and Receivers to build and create your own custom matrix switcher. Both QAM transmitters can be controlled locally with the independent IR receiver or by 3rd party home automation systems. Perfect for small or large applications including Homes, Sports Bars, Restaurants, Hotels, Commercial Buildings. Receivers can be powered by a TV-Displays USB port or by the 5Vdc external DC power supply (Included).

## Typical Hookup (Single Transmitter to Single Receiver), Visit Calrad's Website for Additional QAM Configurations



### Package Contents

- 1 x 40-101T Gen2 Plus, Transmitter
- 1 x 40-101R Gen2 Plus, Receiver
- 1 x IR Receiver
- 1 x 20 db RF Attenuator
- 2 x 5Vdc-1A Power Supplies

AMX  
Calrad Xcontrolled  
Control 4  
Crestron  
Elan  
RTI  
Savant  
URC

(Automation System)  
3.5mm Jack

40-IRC2  
6 Inch Male to Female  
IR Interface Cable  
(Optional)

40-101-IRC  
IR Receiver

HD Display

### Specifications

**HDMI Video Resolution:** 480i, 480p, 720p, 720p, 1080i, 1080p  
**HDCP:** 1.3, **Video Encoding:** H.264  
**RF Insertion Loss:** <2db  
**Transmission Delay:** 500ms  
**Audio Format:** PCM Audio  
**Channel Buttons:** Ch up (+), Ch Down (-)  
**RF Channel Numbers:** 00-99, **Frequency:** 100-1000Mhz  
**IR Frequency:** 38-60Khz, **IR Receiver Distance:** 30 ft.  
**Power Requirements:** 5Vdc, 1Amp  
**Transmitter, Receiver Connectors:** 2 x 'F' Jacks, 1 x HDMI Jack, 1 x USB Jack, 1 x IR 3.5mm Jack  
**Remote Control:** 21 Buttons, **Battery:** CR2025  
**L.E.D. Indicators:** HDMI Signal, **RF Signal Link:** (Receiver Only)  
**Size:** L-5.125" x W-3.46" x H-.96", **Color:** Black

### New Features

- 1.) Increase Transmitter RF Output Signal
- 2.) Improved Receiver RF Sensitivity
- 3.) Ability to Lock/Unlock front Panel Buttons
- 4.) Program IR ID 2 Digit Codes
- 5.) Hardware IR reset commands
- 6.) Loop Out RF Connector
- 7.) USB Programming, Expansion Port
- 8.) HDMI Signal Input/Output L.E.D. Indicators
- 9.) OSD (On Screen Display) Basic 2 Digit Channel Information (Ungradable with Channel ID in future versions)
- 10.) Improved IR Receiver Distance
- 12.) New 21 Button IR Remote Control Design
- 13.) Improved Channel Switching Time



### 40-101TRG2-Remote Credit Card Size Remote

- 1.) (F1-F6): Programmable function buttons
- 2.) (OSD): On Screen Display
- 3.) (ID): Direct IR Control to individual QAM Transmitters and Receivers
- 4.) (RST): Send IR Group or individual hardware power reset commands
- 5.) Channel Up (+) \ Down (-), direct channel access 0-9 buttons

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