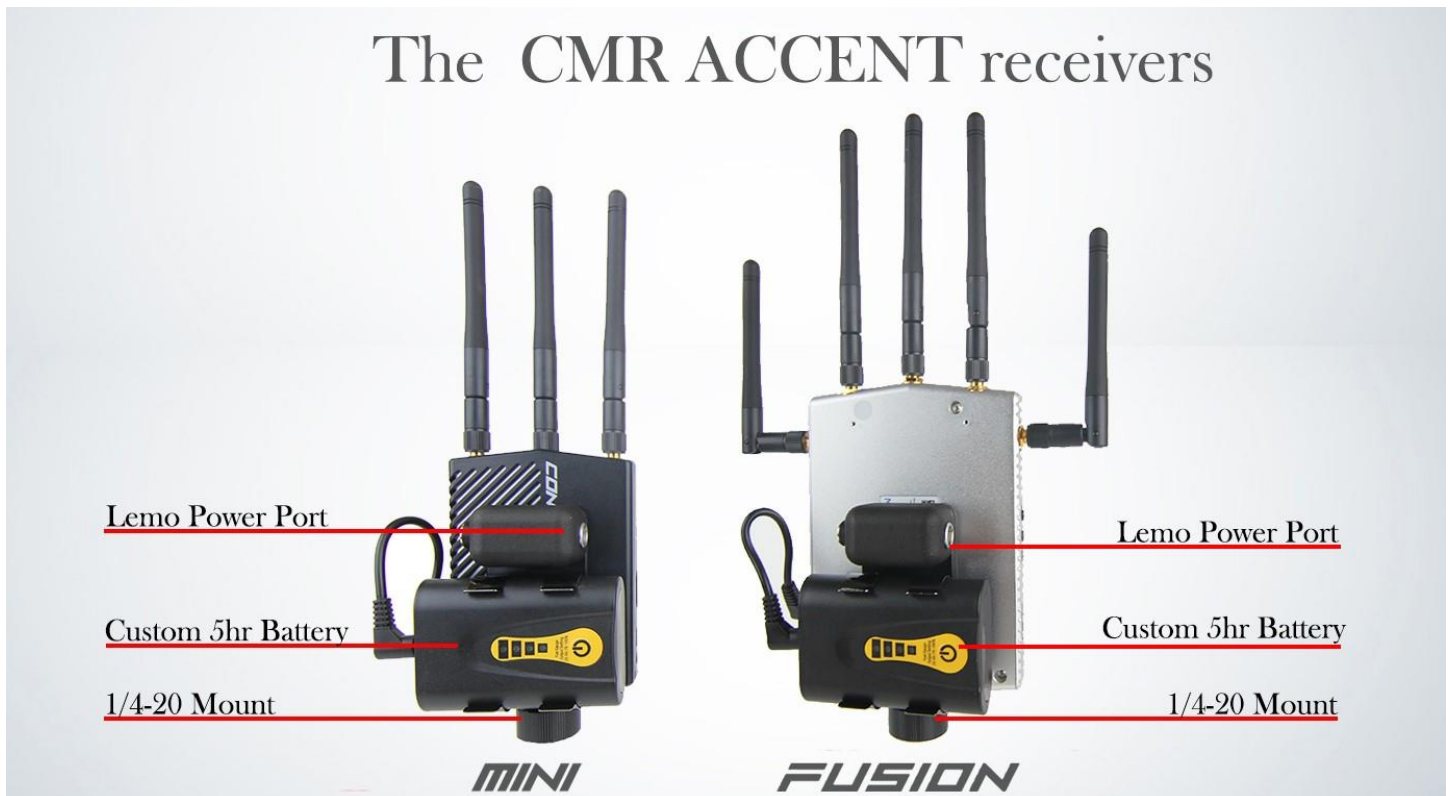


# CMR ACCENT QUICK GUIDE

## The CMR ACCENT transmitter



## The CMR ACCENT receivers



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CMR ACCENT wireless HD video sets use the Amimon Connex Mini transmitter and Amimon Connex Mini receivers (1600 ft. LOS range), or Amimon Fusion receivers (3300 ft. LOS range), for robust wireless HD video transmission up to 1080P(60) and zero latency. The sets are HDMI input and output and do not transmit audio. Up to 4 receivers can be simultaneously connected with no loss of performance.

They are essentially Plug and Play operation. Just connect an HDMI source to the transmitter, and an HDMI display or video switcher, etc. to the receiver, and power up the units. The sets will automatically select an available channel for operation.

This quick guide provides information about powering the sets, and an explanation of the status LEDs, and physical features.

More information about the operation of the transmitters and receivers is provided in the Amimon guides included with sets.

Also, the **Amimon Connex Family Manual** has very complete technical information and can be found on-line with a simple google search of 'connex family manual', or go to

[http://www.connexhd.com/wp-content/uploads/2017/09/Connex\\_Family\\_Manual-en.pdf](http://www.connexhd.com/wp-content/uploads/2017/09/Connex_Family_Manual-en.pdf)

Just remember that Amimon developed the Connex/Mini sets for the unmanned (drone) market, and Amimon information uses the terminology 'air unit' for transmitter, and 'ground unit' for receiver.

And for technical support you can contact CMR by email: [sales@camotionllc.com](mailto:sales@camotionllc.com), or give us a call at 919-876-6020.

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## Power

The ACCENT transmitter (Connex Mini TX), and the ACCENT receivers (Connex Mini RX or Fusion RX) can be powered with the BA8B lithium batteries, or with a Lemo connector power source . Power consumption for either the transmitter or receivers is typically less than 5 watts.

### BA8B Lithium Batteries

On the transmitter, connect the included short right angle Lemo cable to the Lemo power input, and the barrel connector to the battery.

For the receivers, connect the included power cable between the receiver power port (large barrel connector) and the BA8B battery (small barrel connector).

The BA8B battery has a pushbutton that must be pressed and held for a few seconds to turn it on. When turned on it has 4 LED lights that indicate battery charge. When not using either the transmitter or receiver, the battery should be turned off by pressing and holding the button for a few seconds until the battery charge LEDs go off.

Note: The battery must be turned **off** when being charged. Watch for the walking lights to confirm charging is taking place. Charging time is about 3 hours.

### Lemo Power

- For the transmitter, connect the external power source to the Lemo connector.
- For the receivers, connect the external power source to the Lemo adapter and connect the included barrel cable between the receiver power input connector and the other side of the Lemo adapter.

**If using external Lemo power it is important to make sure the connector is providing voltage of the correct polarity. Pin 1, the red dot pin is NEGATIVE. Incorrect voltage polarity can damage TX or RX units under certain conditions when HDMI or USB cables are connected.**

### Testing LEMO power polarity

The correct polarity of the Lemo connector source can be verified without worrying about damaging the Connex Mini transmitter or receiver **if the following procedure is used:**

- 1) Unplug any HDMI or USB cables to the ACCENT transmitter or receiver.
- 2) Plug in the Lemo power source and look for any LED indicator on the Connex Mini transmitter or Connex Mini receiver or Fusion receiver to come on or start blinking. If any LED comes on or starts blinking the Lemo power polarity is correct. If no LED lights are on or blinking within a few seconds, then the polarity of the Lemo power cable is incorrect and cannot be used.

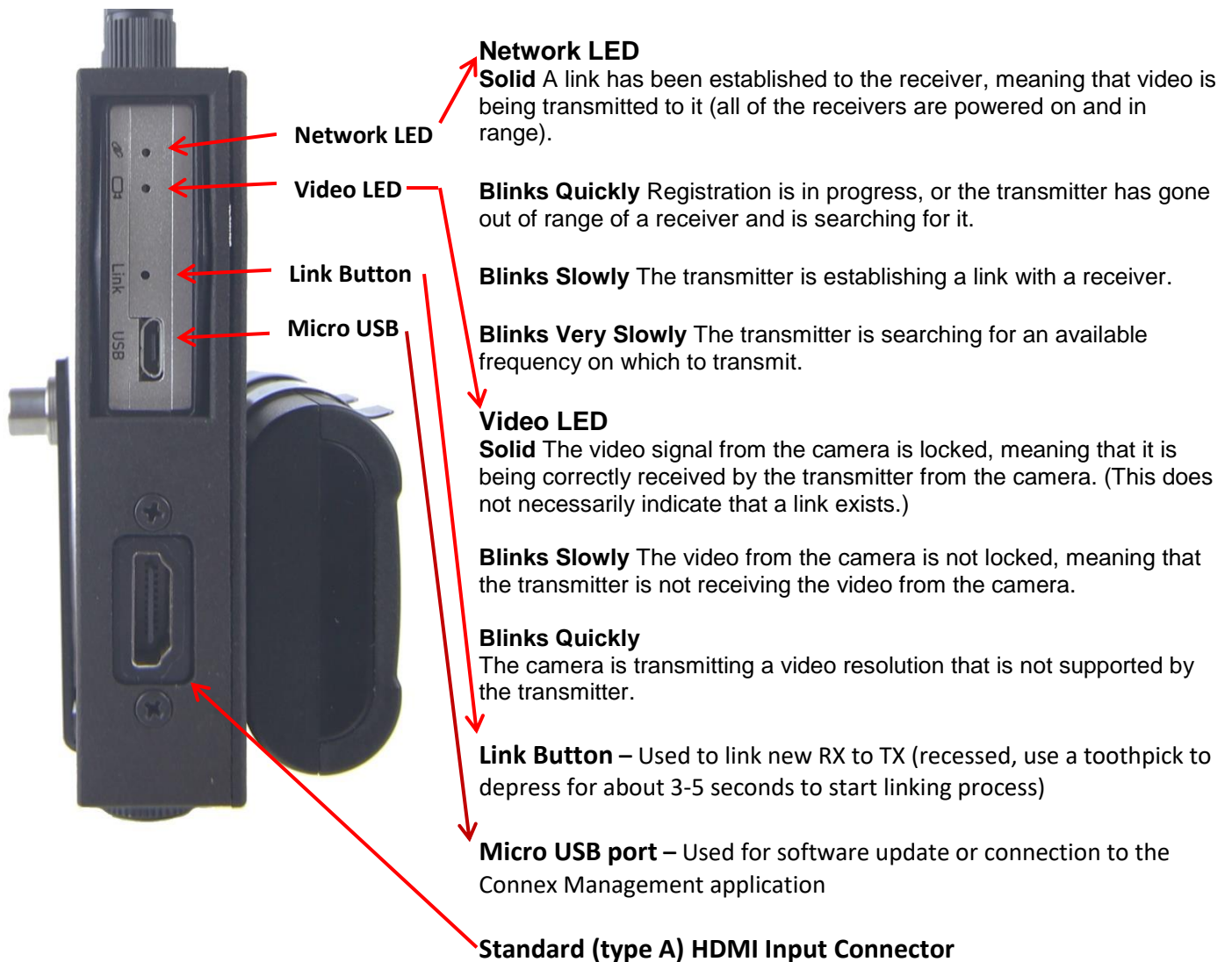
### Voltage Ratings

**Transmitter: 8-26 vdc**

**Mini Receiver: 8-26 vdc**

**Fusion Receiver : 7-17 vdc (note reduced max voltage on Fusion receiver)**

## Transmitter LEDs, Link Button, Micro USB port



## Transmitter Power Switch and Lemo power Connector



## Mini Receiver LEDs, OSD Button, Registration Button, Power Connector

### Network LED

**Solid** A link has been established to the receiver.

**Blinks Quickly** Registration is in progress, or the receiver has gone out of range.

**Blinks Slowly** The transmitter is establishing a link with the receiver.

### Video LED

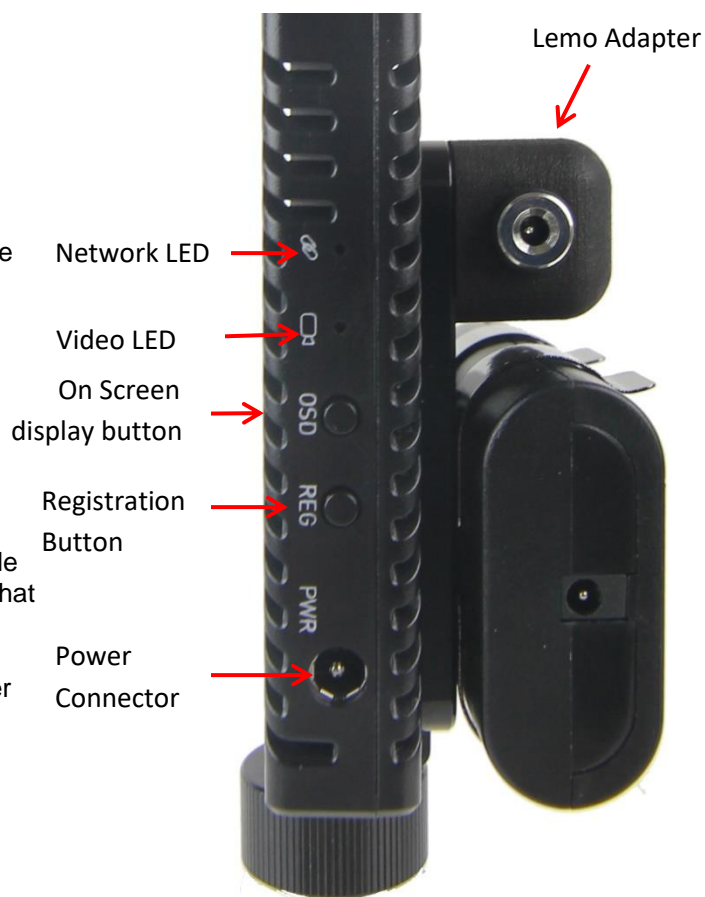
**Solid** The video signal from the camera is locked (i.e., the signal is being received from the transmitter).

**Blinks Slowly** The video signal from the camera is not locked.

**On Screen Display Button** – Normally turned off to hide screen display information (typically used for drone work) that overlays the video image top and bottom.

**Registration Button** – Used when linking a new receiver to the transmitter. Follow screen instructions and press briefly when instructed.

**Power Connector** – Note the Mini Receiver does not have a power switch.



## Mini Receiver HDMI output, Micro USB port



## Fusion Receiver LEDs, OSD Button, Registration Button, Power Connector

### Network LED

**On (Blue)** A link has been established to the Air Unit, meaning that the Ground Unit is receiving video transmission from the Air Unit. The Network LED displays one of three colors to indicate the strength of the signal received by the receiver:

- **Red:** Poor
- **Green:** Fair
- **Blue:** Excellent

**Off** No paired devices.

### Blinks Quickly

The receiver is pairing with an transmitter, or the transmitter has gone out of range of the receiver.

**Blinks Slowly** The receiver is searching for a transmitter

### Video LED

**Solid** The video signal from the camera is locked (i.e., the signal is being received from the transmitter).

### Blinks Slowly

The video signal from the camera is not locked, or the camera is transmitting a video resolution.

### Power LED

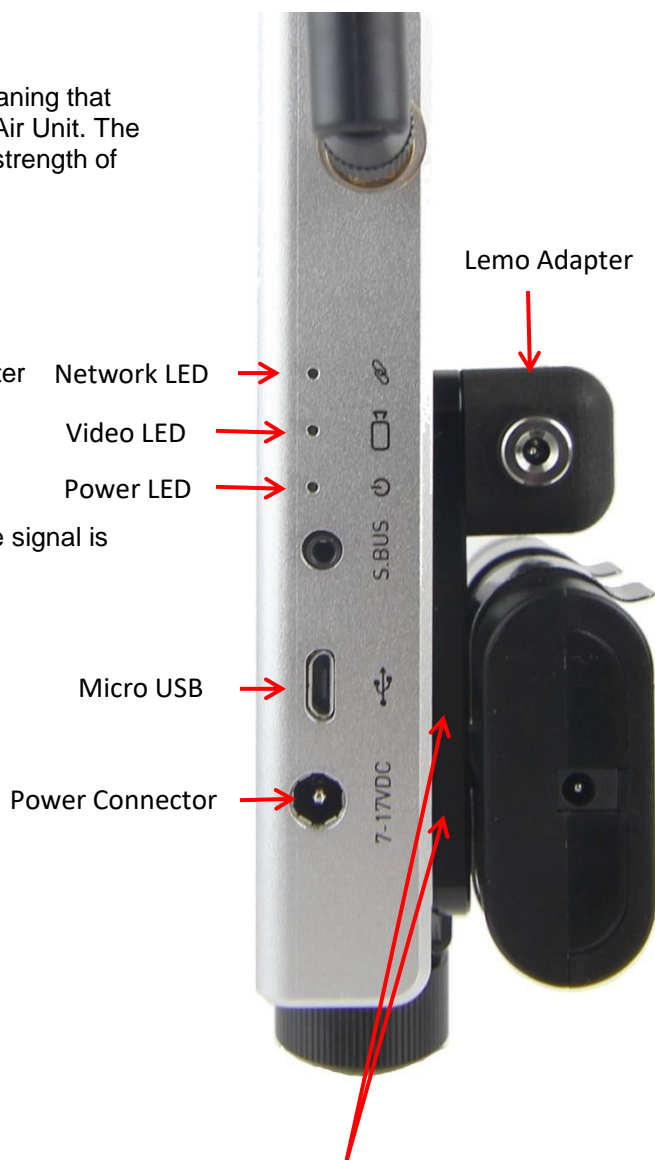
**On (White)** The receiver is powered On and the unit's On/Off switch is on.

**Off** No power is being supplied to the receiver.

**Blinks Quickly** Indicates a system error.

**Micro USB port** – Used for software update

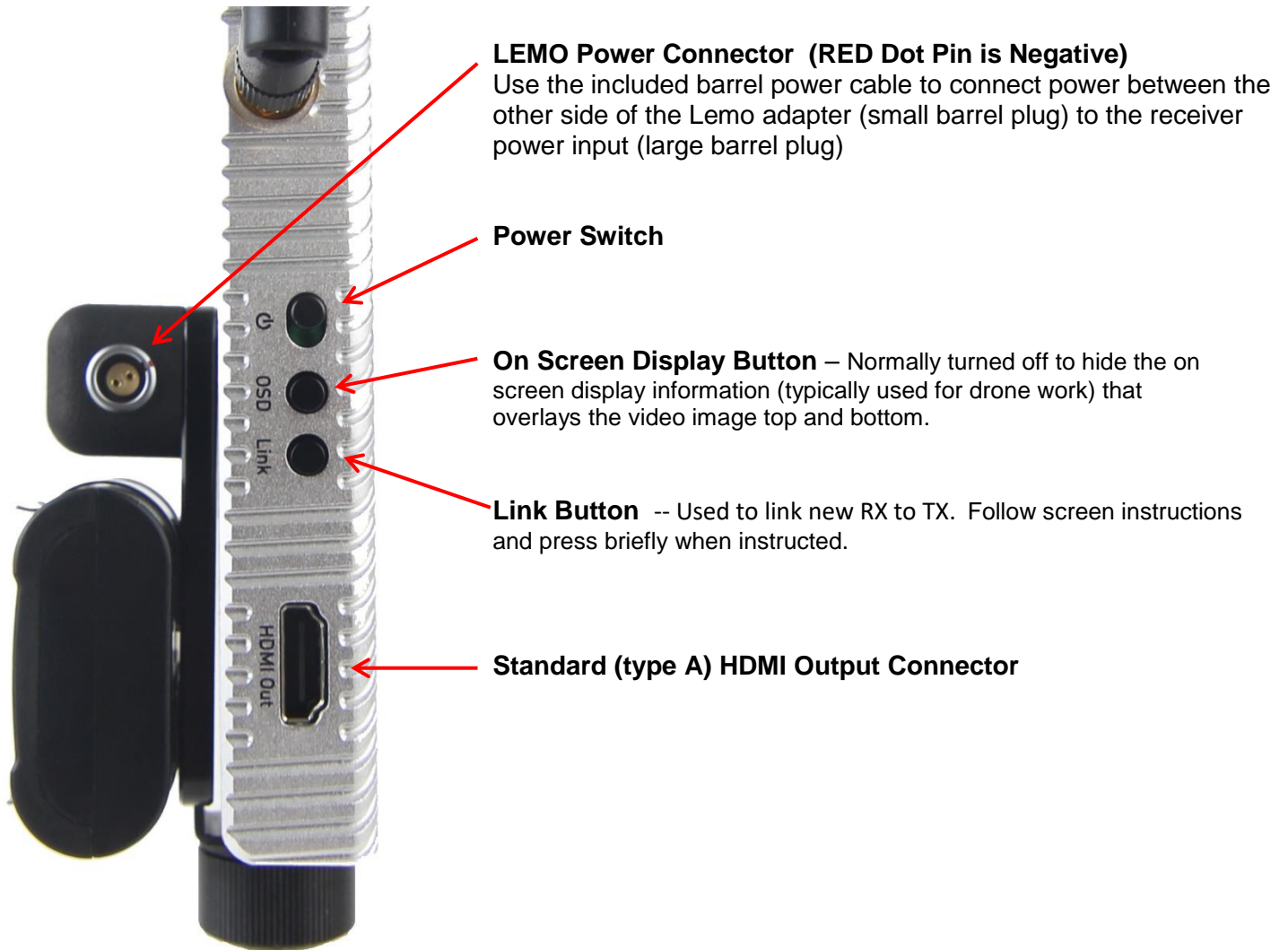
**Power Connector** : 7-17 v



Battery spring clips can be removed.  
(save the screws for future use)



## Fusion Receiver, Power Switch, OSD Button, Link Button, HDMI input



### Warranty

The Connex transmitters and receivers and CMR components are covered by a 1 year limited warranty. For warranty return information please email CMR at [sales@camotionllc.com](mailto:sales@camotionllc.com), or call us at 919-876-6020.