



Actual Size

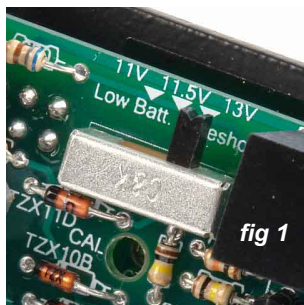
The newest version of the RM Remote Meter adds functionality not found on the previous version, including a simplified ON/OFF toggle control, "Low Battery" warning, and an attached cable. This new version is easily identified by its Orange on Black color scheme, as opposed to the previous version's Blue color.

Connecting the RM

The RM utilizes a six pin Lemo-style circular connector that allows it to interface with Remote Audio's BDSv3, HOT STRIP, MEONv2, and SHUNT BOX. The Lemo-style connector is of the push-pull locking type, and is keyed so it can only be inserted one way. DO NOT attempt to disconnect the cable by twisting or un-screwing; doing so will damage the connectors.

Low Battery Indicator

The illuminated toggle switch is a bi-color type that indicates when your power source (typically a battery) falls below a certain voltage level. This threshold voltage is selectable via a switch inside the RM (**fig 1**).



Three voltages are available for use with the most common battery chemistries:

- 13V** - for Lithium-Ion
- 11.5V** - for Nickel-Metal Hydride*
- 11V** - for Lead Acid ("Gel Cells")

(* - Default Factory Setting)

When the battery voltage falls below the selected threshold, the illuminated toggle will switch from Green to Red. Battery voltage is influenced by the current draw of connected devices, so some experimentation may be needed to find the correct threshold for your setup.

To open the RM, remove the two phillips-head screws in the back panel and separate the two halves of the shell. There will be about four inches of cable looped inside, allowing for access to the threshold switch (**fig 2**).

Specifications:

Connector Type:	Lemo-style 6-pin
Cable Length:	24 inches
Voltage Requirements:	9 - 20 VDC
Current Draw:	~20 mA
Dimensions:	1" x 1.3" x 2.4"



fig 2

Using the RM

With the BDSv3 or SHUNT BOX:

With the RM connected, and the BDSv3 or SHUNT BOX toggle switch is in the OFF position, the RM controls the on/off circuit of the connected device. This allows the device to be placed deep in the bag or cart, out of the way. To turn the BDSv3 or SHUNT BOX on or off with the RM, flip the RM's toggle to the "ON" position. When on, the RM will display the voltage of the power source, and the toggle switch will illuminate (green or red, depending on voltage). Pressing the lower button (labeled "AMPS") will display the current draw of the devices being powered for as long as the AMPS button is pressed. If the BDSv3 or SHUNT BOX toggle switch is in the on position, the RM will not turn off the device. In this case, the on-off function of the RMv2 will only turn on and off the meter display.

With the HOT STRIP and MEONv2:

Flipping the toggle on the RM will turn the connected device (HOT STRIP or MEONv2) on, and cause the associated LED on the device to illuminate. This indicates that the RM is now the "master", and powering ON and OFF can only occur through the use of the RM's ON/OFF switch. When on, the RM will display the voltage of the power source. Pressing the lower button (labeled "AMPS") will display the current draw of the devices being powered for as long as the AMPS button is pressed.

Mounting Clip

The RM comes with a stainless steel clip to aid in securing the box to a bag or strap. Additional holes on the box are available for positioning the clip in various directions. Velcro® strips are also included for situations where the clip is not desired. **NOTE: Keep the original clip screws. Attaching the clip with screws longer than those originally supplied can damage the RM and void the warranty.**

Repairs

Items needing repair may be sent directly to:

Remote Audio Products
 220 Great Circle Road, Suite 114
 Nashville, TN 37228

Prior to returning any items, contact Remote Audio for an RA# (return authorization number) at 615-256-3513, or repairs@remoteaudio.com

Limited Warranty

For a period of 1 year from the time of sale, defects in parts and workmanship will be either repaired or replaced at the determination of Remote Audio. Dated proof of purchase required.