



## DESCRIPTION

MS-2-REC is a switching device designed for audio monitoring and recording. The unit consists of two rocker switches, green and red. When illuminated, green represents live audio monitoring and red indicates that live audio is being recorded.

When the Green and Red Switches are in the off position, both the microphone and recording device are inactive and the two switches are not illuminated. The switches are manually turned ON and OFF. The Red Switch has an open contact (R1 and R2) and can be close to turn ON anything besides a recorder. The maximum capacity of the switch contacts are 9A @125Vac.

The Green and Red Switches are mounted to a double gang stainless steel face plate that fits into a 2-gang back box for flush or surface mounting to a wall or flat surface. The 2-gang box is not SUPPLIED.

A 12Vdc 300 mA power supply (NOT SUPPLIED) is required to power up the MS-2-REC

## WIRING REQUIREMENTS

BETWEEN LOUROE MICROPHONE AND MS-2-REC

Twisted pair, 22 or 20 gauge

BETWEEN LOUROE MICROPHONE AND RECORDING DEVICE

Single conductor **shielded**, 22 gauge with a 24 gauge drain wire

# INSTALLATION AND OPERATING INSTRUCTIONS

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## MICROPHONE CONNECTION

All Louroe Microphones have a 3-pin terminal block marked A, B, C

- A = 12Vdc Power
- B = Audio Output
- C = Ground

Bring twisted pair cable 22 or 20 gauge to microphone terminal block and connect as follows:

- 1) Connect 1 of the wires to pin A of microphone
- 2) Connect other wire to pin C of microphone

Run other end of twisted pair cable to the MS-2-REC plate

## MS-2-REC MUTE SWITCH CONNECTION

MS-2-REC has a 5-pin terminal block marked A, A1, C, R1 and R2

- A = 12Vdc Power
- A1 = Power to Microphone
- C = Ground
- R1 = Connection to Recorder Contact
- R2 = Connection to Recorder Contact

Carefully matching color codes, connect as follows:

- 1) Connect wire from Pin A of Microphone to Pin A1 of MS-2-REC
- 2) Connect wire from Pin C of Microphone to Pin C of MS-2-REC

## CONNECTION FROM MICROPHONE TO RECORDING DEVICE

Wiring Requirements:

Single conductor shielded, 22 gauge with a 24 gauge drain wire  
This wire will have a jacket color (black, red, etc.). Drain wire is bare.

Bring one end of shielded cable to microphone 3-pin terminal block.

- 1) Jacketed wire (colored) connects to pin B of microphone
- 2) Drain wire (bare) connects to pin C (shared with twisted wire)

Run other end of shielded cable to recording device. If the Audio Input of recorder is an RCA Jack, solder on an RCA plug as follows:

- 1) The jacketed wire attached to Pin B of microphone goes to positive tip of RCA Plug (positive)
- 2) The bare wire attached to Pin C of microphone goes to the sleeve (negative)

Connect to "Audio In" of recording device.

If Audio Input of recording device is other than RCA, refer to manufacturers instructions for connection.

## CONNECTION FROM MS-2 REC TO RECORDING DEVICE OR OTHER

Wiring Requirements:

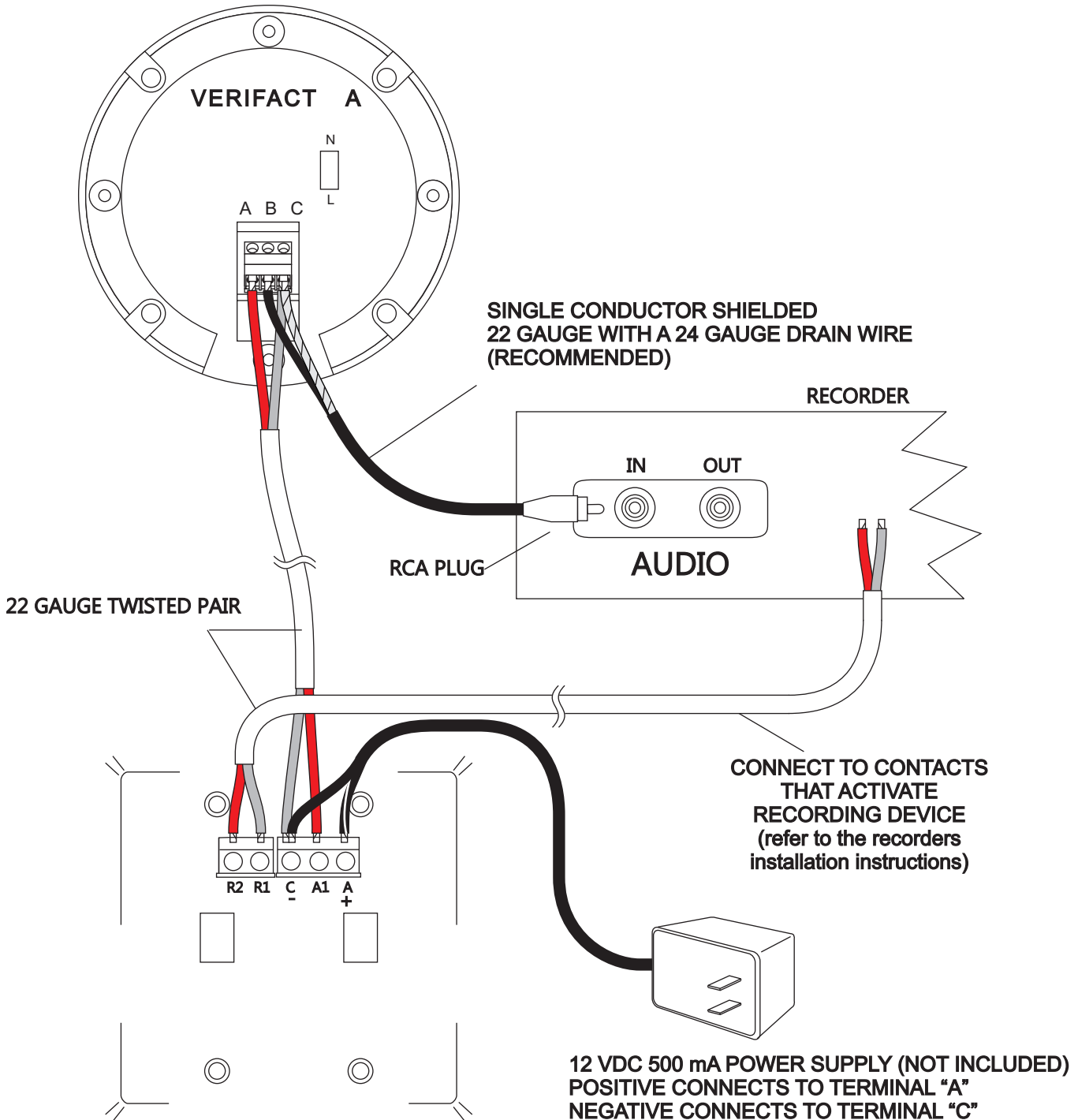
- Twisted pair, 20 or 22 gauge
- 1) Connect one wire to pin R1 of MS-2-REC
- 2) Connect other wire to pin R2 of MS-2-REC

Run other end of twisted pair to recorder's or other receiving device contacts. Refer to recorder's manufacturers installation instruction for details of contact connections.

# INSTALLATION AND OPERATING INSTRUCTIONS

## INTERCONNECTION DIAGRAM FOR CONNECTING LOUROE MS-2 REC TO MICROPHONE AND RECORDER

VERIFACT A MICROPHONE SHOWN



MS-2 REC

(SEE PAGE 4)

LOUROE MUTE SWITCH FOR MIC AND RECORDER

# INSTALLATION AND OPERATING INSTRUCTIONS

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## V APPLYING POWER TO THE MS-2-REC SYSTEM

A 12Vdc, 300mA power supply (NO INCLUDED) is required to power up the MS-2-REC. Cut off the small plug of power supply and separate the two wires a couple of inches. The black jacket wire with a white stripe is negative, the solid black jacket wire is positive.

- 1) Positive wire connects to Pin A of MS-2-REC
- 2) Negative wire connects to Pin C of MS-2-REC  
(shared with microphone ground)

## SPECIFICATIONS

■ Switch contact	9A @125Vac
■ Supply Voltage	12Vdc
■ Dimensions	4 9/16" L x 4 9/16" W
■ Faceplate	303 Stainless Steel
■ Backbox	Two gang electrical box (not included)
■ Weight	8 oz
■ Shipping Weight	1 lb

## FUNCTION OF THE SWITCHES OF MODEL MS-2-REC

The **Green** Rocker Switch controls the Microphone activity  
The **Red** Rocker Switch controls the Audio Recording Device

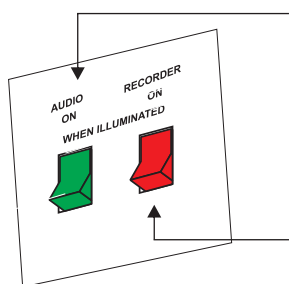
### MICROPHONE SWITCH (**GREEN**)

When the top part of the green switch is manually pressed, it will illuminate **GREEN**, indicating that the microphone is **ACTIVE**. Pressing the lower part of the green switch **DISCONNECTS** the microphone and green rocker switch is **NOT** illuminated.

### RECORDER SWITCH (**RED**)

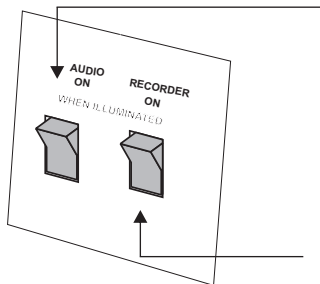
When the top part of the red switch is manually pressed, it will illuminate **RED**, indicating that the recorder is **ACTIVE** and is recording audio. Pressing the lower part of the red switch turns off the recorder and red rocker switch is **NOT** illuminated.

## ROCKER SWITCH POSITIONING



Press **top** part of **green** switch to activate microphone. Switch will **illuminate GREEN** indicating microphone is **ACTIVE**.

Press **top** part of **red** switch to activate recorder. Switch will **illuminate RED** indicating recorder is **ACTIVE**.



Press **bottom** part of green switch to de-activate microphone. Switch will **not** illuminate green indicating microphone is **DISCONNECTED**.

Press **bottom** part of red switch to de-activate recorder. Switch will **not** illuminate red indicating recorder is **DISCONNECTED**.

**NOTES**

# INSTALLATION AND OPERATING INSTRUCTIONS

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## IMPORTANT NOTICE

When this equipment is used as part of an audio monitoring system, the law requires that the public be given notice of AUDIO MONITORING ON THE PREMISES. A decal notice is included with each microphone shipped.



Federal Law References:  
Federal Regulations, US Code, Title 18. Crime and Criminal Procedure, Sec 2510.

## WARRANTY

LOUROE ELECTRONICS® warrants that at the time of shipment products manufactured by LOUROE ELECTRONICS® to be free of defects in material and workmanship. Should a defect appear within two year (24 months) from date of shipment, LOUROE ELECTRONICS will, at its sole discretion, repair or replace the defective equipment. This equipment shall not be accepted for repair or return without prior notification by LOUROE ELECTRONICS®.

This warranty does not extend to any Louroe product that has been subjected to improper or incorrect installation, misuse, accident, or in violation of installation instructions provided by LOUROE ELECTRONICS®.

Returned shipments to LOUROE ELECTRONICS® shall be at customer's expense. LOUROE ELECTRONICS® will return the equipment prepaid via best way.



**MADE IN USA**