

ASK-4® #631

AUDIO MONITORING SYSTEM

INSTALLATION AND OPERATING INSTRUCTIONS



MODEL IF-1 INTERFACE ADAPTER



MS-1 Mute Switch



VERIFACT® A MICROPHONE

ASK-4® #631 is a single zone audio monitoring system designed for direct connection to:

- DVR or VCR
- IP Network Camera
- PC Soundcard
- Video Server

or other audio receiving devices that accept line level audio

CONTENTS OF ASK-4® #631

- , Verifact® A Microphone Omni-directional Microphone
- , Model IF-1 Audio Interface Adapter
- , MS-1 Mute Switch
- , Model AD-1 12 Vdc power supply
- , Single RCA Cable For connection to DVR, VCR, etc.
- , 3.5mm Stereo cable For connection to a Sound Card, IP Network Camera, or Video Server with stereo audio input
- , RCA to 3.5mm Mono Adaptor For connection to a IP Camera with a 3.5mm mono audio input

INSTALLATION AND OPERATING INSTRUCTIONS

WIRING REQUIREMENTS

2 conductor shielded, 22 gauge, with a 24 gauge drain wire.
West Penn 452 or equivalent

MICROPHONE INSTALLATION - MECHANICAL

Verifact® A Microphone is designed for surface mounting to a ceiling or wall. Microphone will pick up sounds 15' away from all directions. For best results, install microphone as close to desired area of coverage as possible. Avoid mounting microphone to ceiling heights in excess of 10', or near air vents, refrigeration units, or other audio interferences.

NOTE: Make wiring connection on back side of microphone before installing microphone to ceiling or flat surface.

MICROPHONE INSTALLATION - ELECTRICAL

Located on back side of microphone is a terminal block marked A, B and C.

A is 12 Vdc

B is Audio

C is Ground (common)

Using recommended wiring, connect as follows:

RED wire to terminal A (12Vdc)

BLACK wire to terminal B (Audio)

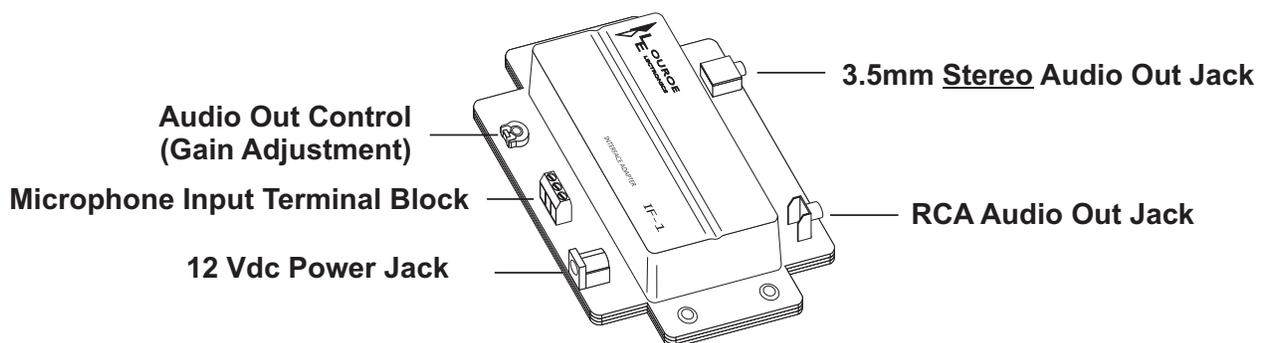
BARE wire to terminal C (Ground)

NOTE: If using wiring from other manufacturers,
color code may vary.

MS-1 MECHANICAL INSTALLATION

The MS-1 (Mute Switch) fits in a single gang electrical box for flush or surface mounting to a wall. Electrical connection is thru a 3 Pin Terminal block.

LOUROE MODEL IF-1 AUDIO INTERFACE ADAPTER



INSTALLATION AND OPERATING INSTRUCTIONS

MECHANICAL INSTALLATION - MODEL IF-1 INTERFACE ADAPTER

The IF-1 Interface Adapter serves as an interface device between the microphone and the audio receiver (DVR/VCR, PC sound card, etc.). The IF-1 can be installed several ways:

- 1) Wall mounted close to DVR/VCR or IP Network Camera, etc.
- 2) Attached to side of the receiving device using two-way ¼" adhesive tape (not provided)

MICROPHONE CONNECTION TO IF-1 INTERFACE ADAPTER VIA THE MS-1 (See interconnection diagram on the next page)

Connect 2 cond shielded cable to the microphone terminal block as follows:

- a. Using recommended cable, connect black wire to terminal B of microphone.
- b. Connect bare (ground) wire to terminal C.
- c. Connect red wire directly to terminal A of the MS-1 using a wire nut from a second 2 cond cable.
- d. Connect the other end of this cable to IF-1 (red to terminal A; black to terminal B; and bare to terminal C)

Using the second 2 cond shielded cable;

- a. Connect red wire to terminal A of the MS-1 (the other end of this wire is connected to the first 2 cond cable mentioned above on "c")
- b. Connect black wire between terminal B of MS-1 and terminal A of microphone.
- c. Connect both ends of bare wire to terminals C of microphone and MS-1

To apply power to the system, Model AD-1 12Vdc power supply is included. First connect small end (female 90° plug) into 12Vdc jack on IF-1, then connect 2-prong power block to a standard 110Vac outlet or power strip.

NOTE: Model IF-1 contains two types of audio outputs. A connection cable is provided for each type.

- 1) RCA
- 2) 3.5mm stereo
- 3) RCA to 3.5mm mono with adaptor

These two audio outputs are in parallel ... **only one can be used**

CONNECTION BETWEEN IF-1 INTERFACE ADAPTER AND DVR/VCR WITH RCA TYPE AUDIO CONNECTIONS

To make connection to DVR/VCR, plug the RCA cable (supplied) into the RCA type audio output jack located on the output side of Model IF-1. Connect other end of RCA cable to the DVR/VCR's "AUDIO IN" jack.

CONNECTION BETWEEN IF-1 AND AN IP NETWORK CAMERA, DVR, VIDEO SERVER WITH 3.5mm MONO TYPE AUDIO CONNECTIONS

To make connection to IP Network Camera, plug the RCA to 3.5mm mono cable with adaptor (supplied) into the RCA audio out jack located on the output side of IF-1, connect other end of cable (3.5mm) to the camera's audio in jack.

CONNECTION BETWEEN IF-1 AND A DVR, IP NETWORK CAMERA OR PC SOUND CARD WITH 3.5mm STEREO TYPE CONNECTION.

To make connection, plug the 3.5mm stereo cable (supplied) into the "audio out" jack located on the output side of IF-1. Plug the other end of the cable to "AUDIO IN" of DVR, IP Network Camera or "LINE IN" of PC soundcard.

INSTALLATION AND OPERATING INSTRUCTIONS

OPERATION

With the addition of the MS-1 (Mute Switch), the microphone audio can be muted if not needed. Turn On the rocker switch on the MS-1 to activated the audio of the microphone. The built-in red light on the switch will light indicating that the microphone is live and audio is present at the IF-1. If the output of the IF-1 is connected to a receiver such as a DVR, Video Encoder or IP Camera, audio is present on the input of these receivers.

Turning OFF the MS-1, will turn OFF the audio from the microphone and the built-in light on the switch is not lighted.

SENSITIVITY SWITCH OF MICROPHONE

For special installations that require less microphone sensitivity, a sensitivity switch has been added to the microphone pre-amp (PC board) and has two positions - N and L:

N represents normal sensitivity (0dB output into 600W)

L represents low sensitivity (-6dB output into 600W)

NOTE: Louroe™ Verifact microphones are always shipped with the sensitivity switch in normal (N) position. Do not change unless required.

To make an adjustment, use a small screwdriver and move slide switch from N to L. Sensitivity switch is located on the backside of Verifact™ A Microphone.

SPECIFICATIONS (MS-1 Mute Switch)

■ Supply Voltage	12Vdc
■ Dimensions	2 3/4" W x 4 1/2" H
■ Faceplate	303 Stainless Steel
■ Backbox	Single gang electrical box (not included)
■ Weight	2.5 oz

SPECIFICATIONS (IF-1 Interface Adapter)

■ Input impedance	17.5 K Ω @ 1kHz
■ Output impedancel	600 Ω @1kHz
■ Power supply	12Vdc, 500 mA
■ Dimensions	6 1/8"L x 4 5/8"W x 1 3/8"H
■ Audio output gain	up to +10dB
■ Weight	5.5 oz

SPECIFICATIONS (Microphone - Model A)

■ Type	Electret Condenser
■ Output	Line Level (0 dB 600W @ 1 kHz)
■ Frequency response	50 Hz to 15 kHz \pm 1 dB
■ Current drain	10 mA
■ Supply voltage	12Vdc
■ Dimensions	4"Dia x 1 1/2"H
■ Weight	3.5 oz
■ Shipping Weight of kit	2 lbs

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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

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 one year (12 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.

