

# ASK-4 KIT #300

AUDIO MONITORING SYSTEM

## INSTALLATION AND OPERATING INSTRUCTIONS



**MODEL IF-1 INTERFACE ADAPTER**



**VERIFACT A MICROPHONE**

**NOTE:** ASK-4 KIT #300 DOES NOT CONTAIN AN AUDIO POWER AMPLIFIER AND SPEAKER FOR LIVE AUDIO OR PLAYBACK

ASK-4 Kit #300 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 (0dB@600Ω)

### CONTENTS OF ASK-4 KIT #300

- Verifact A Microphone    Omni-directional Microphone
- Model IF-1                Audio Interface Adapter
- 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
- 3.5mm Mono Cable     For connection to a DVR with a 3.5mm mono audio input

#### WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

**NOTE:** Unshielded cable is not satisfactory for audio systems

West Penn 452 or equivalent



# INSTALLATION AND OPERATING INSTRUCTIONS

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## WIRING REQUIREMENTS

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

## MICROPHONE INSTALLATION - MECHANICAL

Model 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)

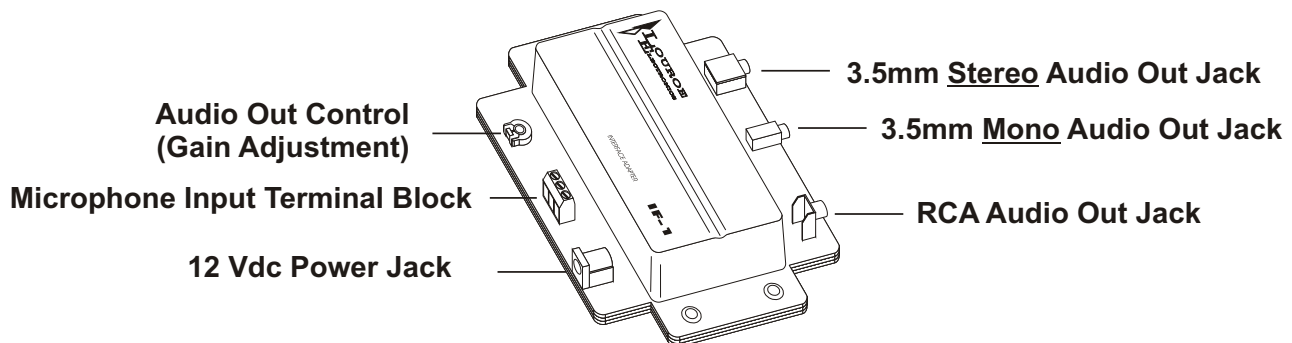
BLACK wire to terminal B (Audio)

BARE wire to terminal C (Ground)

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

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## LOUROE MODEL IF-1 AUDIO INTERFACE ADAPTER



# INSTALLATION AND OPERATING INSTRUCTIONS

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## 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) **(see drawing on page 4).**

## MICROPHONE CONNECTION TO IF-1 INTERFACE ADAPTER

Bring in other end of wiring from microphone and connect to "MIC INPUT" terminal block on IF-1 marked, A, B and C. Connect as follows:

Terminal A of microphone to terminal A of IF-1	12Vdc
Terminal B of microphone to terminal B of IF-1	Audio Output
Terminal C of microphone to terminal C of IF-1	Ground (common)

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 three types of audio outputs. A connection cable is provided for each type.

- 1) RCA
- 2) 3.5mm mono
- 3) 3.5mm stereo

These three 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 **(see drawing on page 4).**

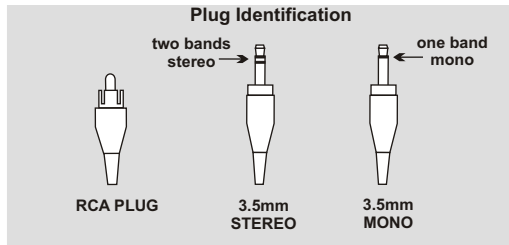
## CONNECTION BETWEEN IF-1 AND A DVR, IP NETWORK CAMERA WITH 3.5mm MONO TYPE AUDIO CONNECTIONS

To make connection to DVR, plug the 3.5mm cable (supplied) into the audio out jack located on the output side of IF-1, connect other end of cable to the DVR's audio in jack **(see drawing on page 5).**

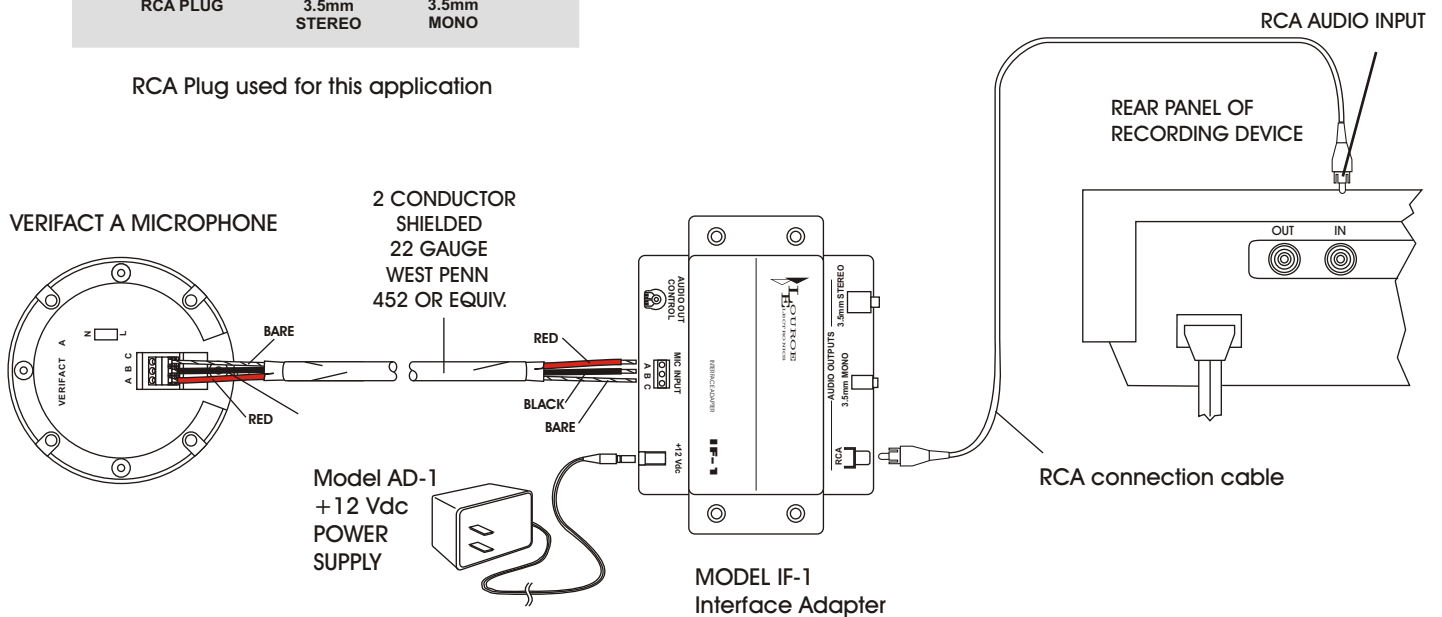
## CONNECTION BETWEEN IF-1 AND A DVR, IP NETWORK CAMERA OR PC SOUND CARD WITH 3.5mm STEREO TYPE CONNECTION.

To make connection, plug the 3.5mm stereo cable (supplied) into the "audio out" jack located on the output side of IF-1. Connect other end of cable to "audio in" of DVR, IP Network Camera or "line in" of PC soundcard **(see drawing on page 6).**

# INTERCONNECTION DIAGRAM FOR LOUOE ASK-4 KIT #300 AUDIO MONITORING SYSTEM AND A DVR/VCR, ETC WITH RCA AUDIO INPUT



RCA Plug used for this application



NOTE: If the DVR has a 3.5mm **mono** audio input jack, see drawing on page 5

If the DVR has a 3.5mm **stereo** audio input jack, see drawing on page 6

### WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

**NOTE:** Unshielded cable is not satisfactory for audio systems

West Penn 452 or equivalent



# INTERCONNECTION DIAGRAM

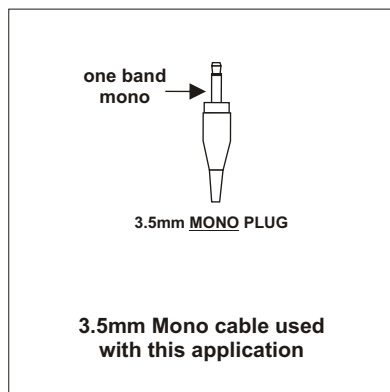
## FOR LOUROE

### ASK-4 KIT #300

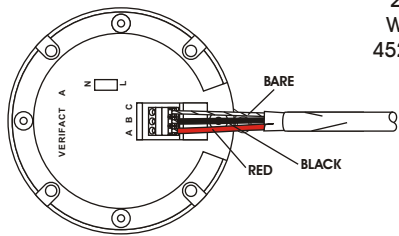
### AUDIO MONITORING SYSTEM

### AND A DVR, IP NETWORK CAMERA, VIDEO SERVER

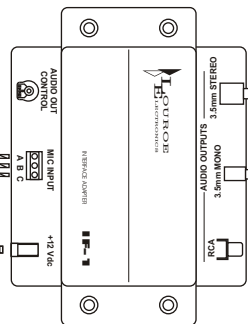
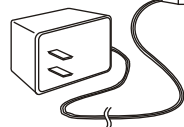
### WITH 3.5mm MONO AUDIO INPUT



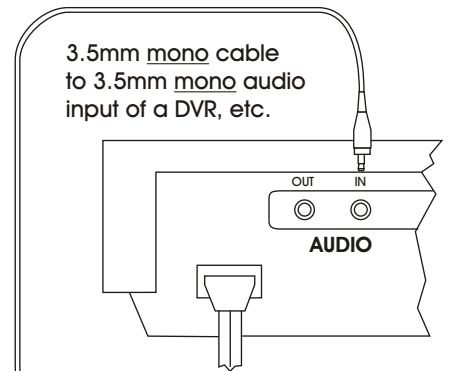
VERIFACT A MICROPHONE



2 CONDUCTOR SHIELDED 22 GAUGE WEST PENN 452 OR EQUIV.



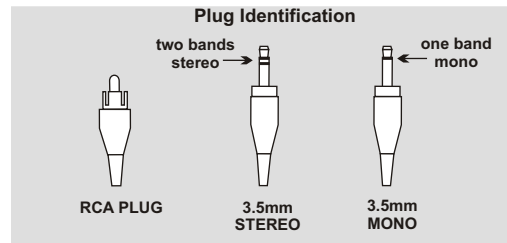
Louroe Model IF-1



#### WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

**NOTE:** Unshielded cable is not satisfactory for audio systems



# INTERCONNECTION DIAGRAM

## FOR LOUOE ASK-4 KIT #300

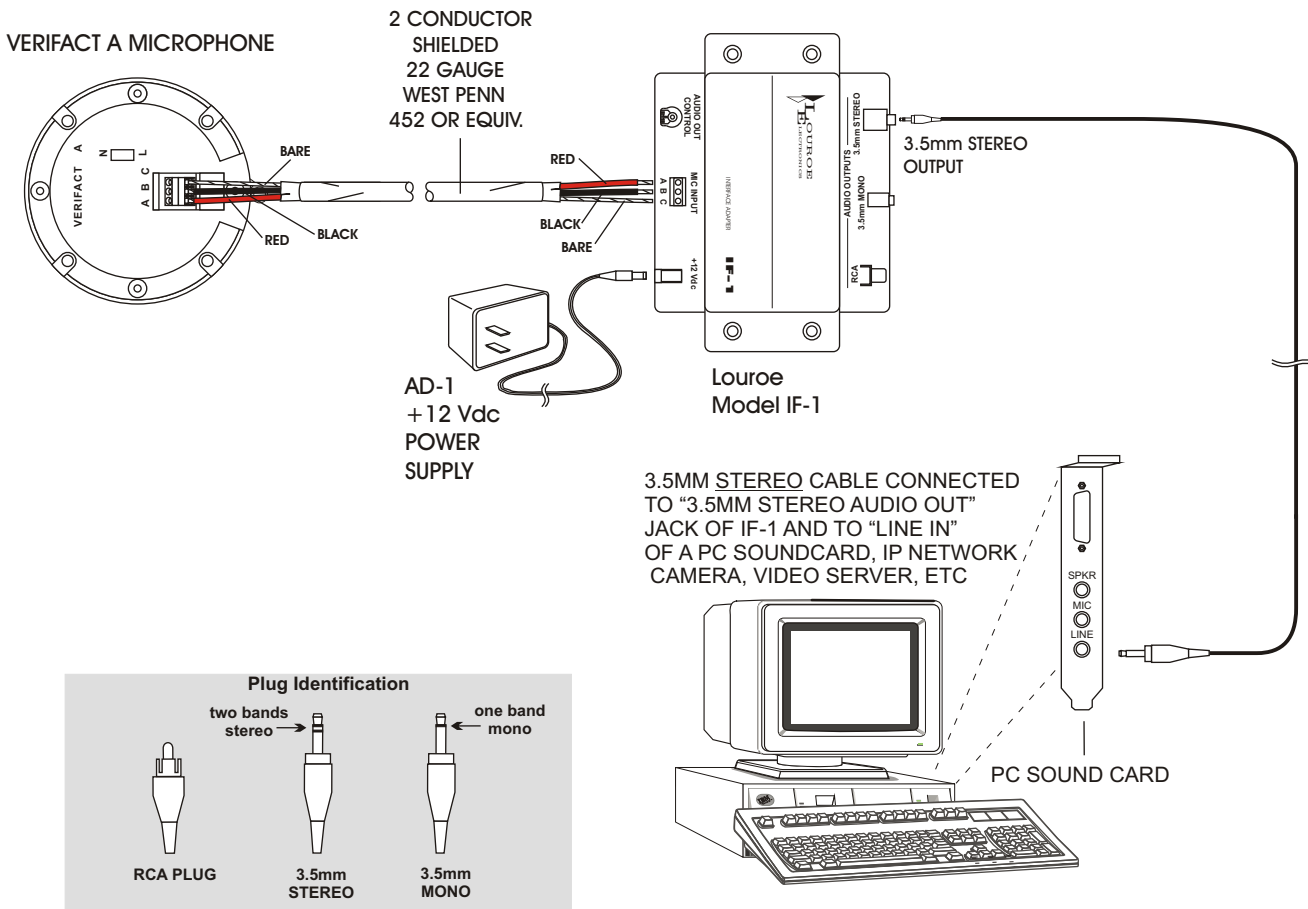
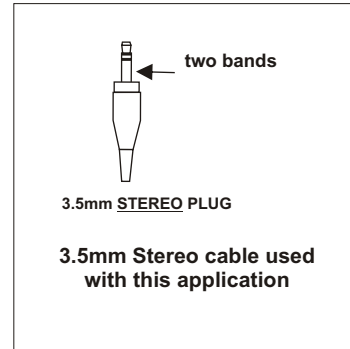
### AUDIO MONITORING SYSTEM AND A PC SOUND CARD, IP NETWORK CAMERA, VIDEO SERVER, DVR, ETC. WITH A 3.5mm STEREO AUDIO INPUT

#### WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

**NOTE:** Unshielded cable is not satisfactory for audio systems

West Penn 452 or equivalent



# INSTALLATION AND OPERATING INSTRUCTIONS

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## 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 1K $\Omega$ )

L represents low sensitivity (-6dB output into 1 K $\Omega$ )

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

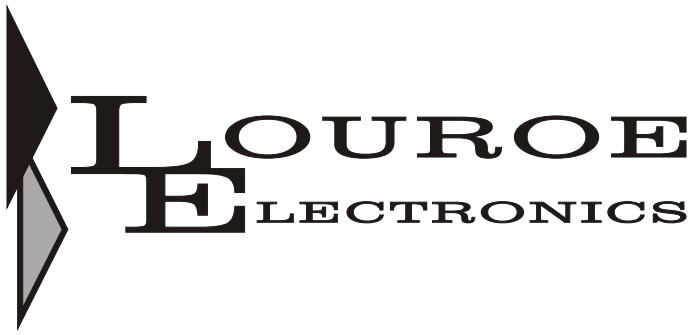
To make an adjustment, use a small screwdriver and move slide switch from N to L. Sensitivity switch is located on the backside of Verifact A Microphone.

### **SPECIFICATIONS** (IF-1 Interface Adapter)

Input impedance	1 K $\Omega$
Output signal	0 dB@600 $\Omega$
Power supply	12Vdc, 500 mA
Dimensions	6 1/8"L x 4 5/8"W x 1 3/4"H

### **SPECIFICATIONS** (Microphone - Model A)

▪ Output	Line level (0 dB @ 1K $\Omega$ ) unbalanced
▪ Frequency response	40 Hz to 15 kHz $\pm$ 1 dB
▪ Current drain	4 mA
▪ Supply voltage	12Vdc
▪ Dimensions	4"Dia x 1 1/2"H
▪ Weight (shipping)	3 Lbs (1.4 kg)



#### 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 with 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 subject 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.