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ASK-4® #304

AUDIO MONITORING SYSTEM
INSTALLATION AND OPERATING INSTRUCTIONS

DESCRIPTION

ASK-4® #304 is a four zone audio monitoring system designed for direct connection to a DVR, PC soundcard or IP Network Camera. Model IF-4 Interface Adapter (usually mounted near the recording device) receives the wiring from the Verifact™ A Microphone, supplies power and drives the audio signals into the DVR, IP Network Camera, Video Server or PC Soundcard.

IF-4 AUDIO INTERFACE ADAPTER

Distance between the Verifact®A Microphone and Model IF-4 Interface Adapter may be up to 1,000 ft.(305m) using recommended wiring. Each output of the IF-4 has an audio level control to increase or decrease the level of audio output going to the receiving device.

(4) VERIFACT®A MICROPHONES

AD-1 POWER SUPPLY

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KIT CONTENTS

- 4 VERIFACT® Model A Microphones
- Model IF-4 Audio Interface Adapter
- Model AD-1 12Vdc power supply
- Patch cables for connection to the audio inputs of DVR's, IP Network Cameras, Soundcards, etc. as listed above (RCA to RCA and RCA to 3.5mm Mono adaptors)

WIRING CONNECTIONS

MICROPHONE CONNECTIONS

Located at the bottom of the Verifact®A microphone is a 3-pin terminal block marked A, B, and C.

A = 12Vdc power
B = Audio output of microphone
C = Ground

If using the recommended wiring (West Penn 452), connect as follows;
Red wire goes to terminal A of microphone
Black wire goes to terminal B of microphone
Bare wire goes to terminal C of microphone

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

West Penn 452 or equivalent

After all microphones have been connected, bring the other end of the cable to the IF-4 location and connect each microphone to the corresponding terminal block of the unit matching A to A, B to B, and C to C. Be sure to properly match wire colors. If using cable from other manufacturers, color code may vary.

CONNECTIONS BETWEEN IF-4 AND DVR (OR OTHER AUDIO RECEIVING DEVICE)

Connect the RCA outputs of the IF-4 to the corresponding audio inputs of the receiving device. RCA and RCA to 3.5mm mono cables are included in the kit.

APPLYING POWER TO THE IF-4

Included with the IF-4 is a power supply (120V/12Vdc). Connect the small end of the 90° female plug into the 12Vdc jack, located on the input side. Then connect the two-prong large end into a standard 110/120V electrical outlet.

Turn ON/OFF power switch, located behind green power LED to ON position. The green LED will illuminate, indicating power to the system. The system will now provide audio to the DVR, Soundcard Module, IP Network Camera, etc.

AUDIO LEVEL ADJUSTMENT

Located on the input side are potentiometers (round, with adjustment arrow) for each microphone. This is for adjusting the audio gain and to prevent overdriving or underdriving the audio signal.

The adjustment arrows are shipped in the straight-up position. Turn slowly counterclockwise to lower the gain, and clockwise to increase. This will provide the desired level of audio signal into the Audio Receiving Device (DVR, Soundcard Module, etc.). A full turn clockwise increases the gain to 10dB. A full turn counterclockwise will decrease the gain -30dB.

AUDIO TEST SWITCH

The purpose of this switch is to indicate the presence of audio and to assure the user that the IF-4 is driving the audio signals into the audio input of receiving device (DVR, IP Network Camera, Video Server, Soundcard module, etc.)

Located on the audio output side of IF-4 is a DIP switch labeled Audio Test Switch. To the left of the switch is a red LED marked Audio Indicator.

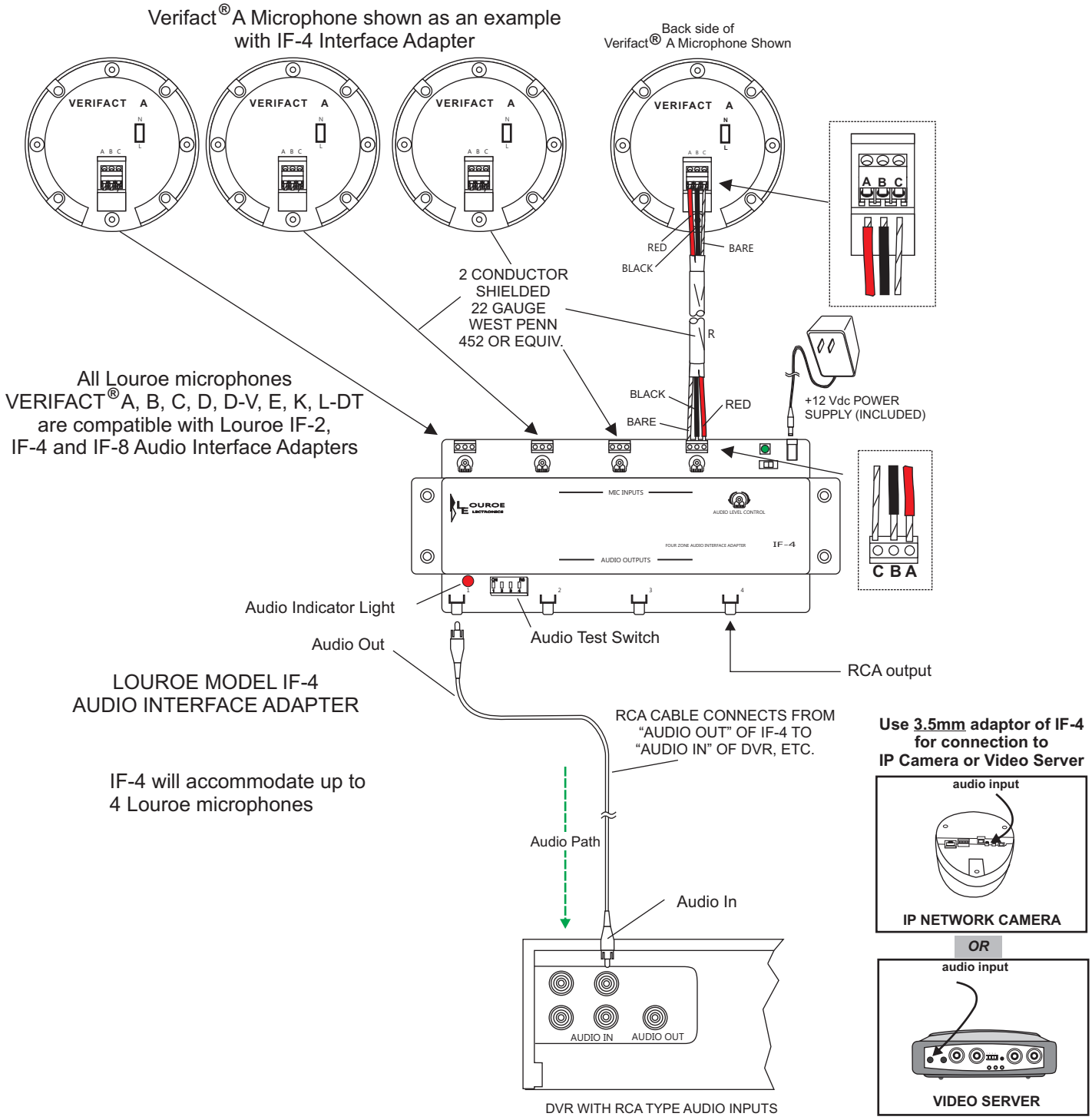
For testing:

1) Select a zone that has a microphone connected to the microphone terminal block. IF-4 utilizes pins 1-4.
2) Push pin to the ON position. The red LED will illuminate, indicating audio is present. With short bursts of audio, the LED will flicker and with continuous flow of audio LED illumination is constant. Only one microphone can be tested at a time

NOTE: When testing is complete, all pins of the DIP switch must be in the OFF (down) position.

INTERCONNECTION DIAGRAM

FOR
CONNECTING LOUROE VERIFACT® MICROPHONES
TO A DVR WITH MULTIPLE AUDIO INPUTS USING
LOUROE MODEL IF-4 AUDIO INTERFACE ADAPTER



SPECIFICATIONS (IF-4 Interface Adapter)

Input (3-pin terminal block)	Line Level (0dB@1KΩ)
Audio Input Impedance	17.5kΩ
Audio Output Impedance	600Ω @ 1kHz
Audio Output Gain	Up to +10dB
Power Requirements	+12 Vdc, 500mA
Dimensions	11½"L x 4¾"W x 1¼"H
Weight	12.5 oz

SPECIFICATIONS (Microphone - Model A)

Type	Electret Condenser
Output	Line Level (0 dB 600Ω @ 1 kHZ)
Frequency response	50 Hz to 15 kHz ± 1 dB
Current drain	10 mA
Supply voltage	12Vdc
Dimensions	4"Dia x 1 ½"H
Weight	3.5 oz
Weight of the kit	4 lbs

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 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.