



MODEL DA-4



AD-1 POWER SUPPLY



(5) SINGLE RCA CABLES

DESCRIPTION

The Model DA-4 is an Audio Distribution Amplifier with one audio input and four audio outputs. It receives line level audio signals from a Louroe base station or Louroe microphone and distributes it to up to four devices such as DVR's, VCR's, CCTV monitors with amplifiers or other audio devices that accept line level input. Each output of the DA-4 has a gain adjust potentiometer for correcting audio level. Maximum gain is 15dB when potentiometer is fully engaged. Included with the DA-4 are five RCA connector cables and a 12Vdc power supply.

Contents	Description
DA-1	Distribution Amplifier. Distributes 1 audio input to 4 audio outputs. Usually connected between a base station with single audio output and 4 receiving devices.
AD-1	UL listed AC ADAPTER. Supplies 12 Vdc to DA-1
5 Single RCA Cables	For connecting DA-4 to other devices.

Description of Functions

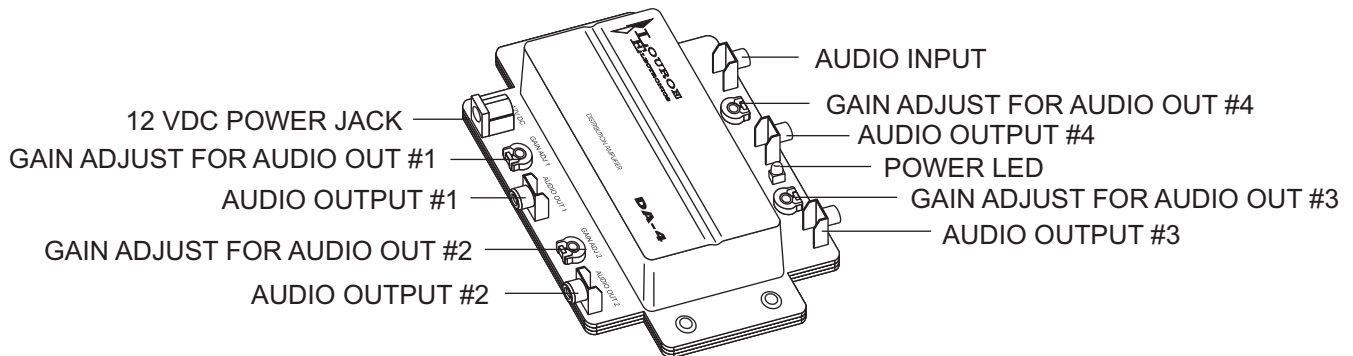


Fig. 1

Connecting a Louroe microphone directly to the DA-4

(Refer to figure 3, page 5 of this instruction)

All Louroe microphones contain a 3-pin terminal block marked A, B, C

A = +12Vdc power	red wire
B = Audio Output	black wire
C = Ground	bare wire

Microphone's current drain is 10mA.

Applying Power to the Microphone

Apply 12Vdc power to terminals A and C. A is positive and C is negative

Microphone Connection to DA-4

- Referring to the microphone 3-pin terminal block, connect a 22 gauge shielded cable to terminal B and a ground wire to terminal C. (Terminal C is common for both 12Vdc power and audio output).
- Run other end of cable to DA-4 and solder to an RCA plug. Wire from terminal B of microphone goes to the tip of the RCA plug and ground wire goes to the sleeve.
- Connect RCA plug to "Audio Input" RCA jack of DA-4

INSTALLATION AND OPERATING INSTRUCTIONS

Connecting a Louroe Microphone to a Louroe Base Station and to DA-4

- a. If microphone is to be first connected to a Louroe base station, follow the instructions that accompany the specific base station (APR-1) for making wiring connections
- b. For connecting base station to DA-4 use supplied RCA cable and go "Audio Out" (RCA) of base station to "Audio Input" of DA-4

Connecting DA-4 to Audio Receiving Devices (DVR, VCR, CCTV Monitor)

- a. The DA-4 has 4 RCA audio out jack. Using supplied RCA cables connect "Audio Output" of DA-4 to Audio in (or line in) of the receiving devices.

NOTE: Should audio receiving device (DVR, PC soundcard module, etc.) contain a 3.5mm audio input (or line input). Connect an RCA to 3.5mm adapter to the RCA plug and insert. Check specifications or DVR, etc. to determine if audio input is mono or stereo.

- b. Apply +12Vdc power to DA-4 using the 120V/12Vdc power supply (included). Connect small 90° plug into the 12Vdc power jack located on DA-4. Connect the two-pin large plug to a standard 120 Vac wall outlet or power strip. The green power LED will illuminate.
- c. Each of the four audio outputs has a gain adjust potentiometer. Using a small screw driver, the desired level of audio can be obtained by rotating clockwise to increase, or counterclockwise to decrease.
- d. Microphone sensitive switch. Located on the backside of microphone is a sensitivity switch marked N (normal) and L (low). If application requires less microphone sensitivity, move slide switch to "L" position. This will lower the gain (-6dB output into 600Ω).

SPECIFICATIONS

■ Type of audio connections	RCA
■ Current drain	25 mA
■ Maximum gain (per output)	+15dB
■ Output	Line Level (0dBV, 1kΩ @ 1kHz)
■ Power input	12 Vdc, 500mA
■ Dimensions	6 1/8"L x 4 5/8"W x 1 3/8"H
■ Weight	8 oz
■ Shipping Weight	2 lbs

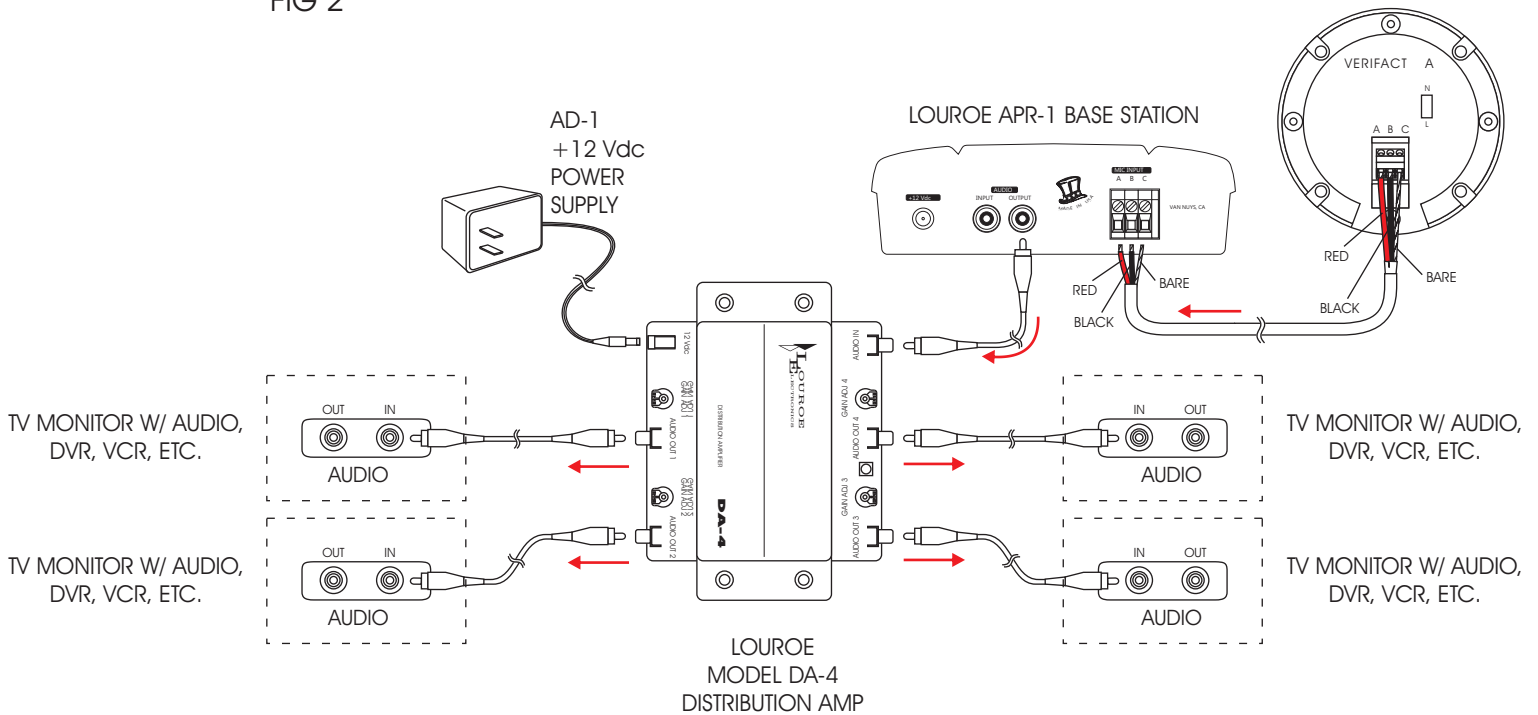
INTERCONNECTION DIAGRAM

LOUROE MICROPHONE TO APR-1 BASE STATION TO MODEL DA-4 DISTRIBUTION AMP AND TO 4 RECEIVING DEVICES (CCTV MONITORS, ETC.)

 **INDICATES AUDIO PATH**

FIG 2

VERIFACT® A MICROPHONE SHOWN



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



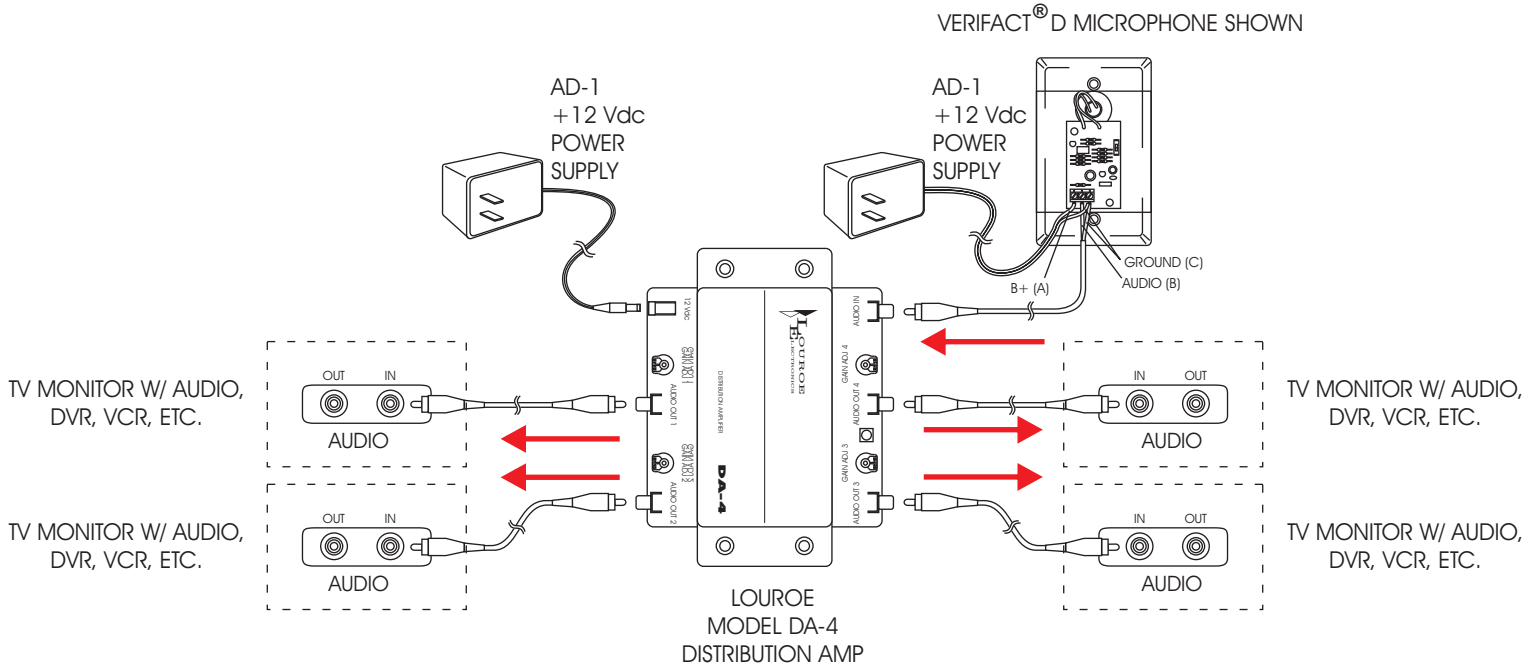
INSTALLATION AND OPERATING INSTRUCTIONS

INTERCONNECTION DIAGRAM

LOUROE MICROPHONE DIRECTLY CONNECTED TO MODEL DA-4 DISTRIBUTION AMP AND TO 4 RECEIVING DEVICES (CCTV MONITORS, ETC.)

 INDICATES AUDIO PATH

FIG 3



NOTES

INSTALLATION AND OPERATING INSTRUCTIONS

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.

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