

# ST-501 TALKBACK SYSTEM

**ARREL**  
**AUDIO**

REAL Innovation

## ARREL Audio Overview

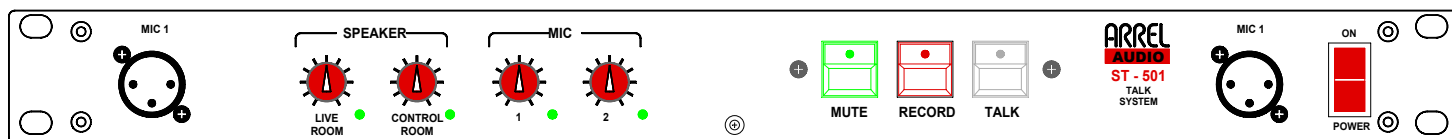
**ARREL Audio** products, conceived for the professional user, combines high reliability, rugged design, audio quality, versatility and ease of use. They are perfect for recording every kind of music in all the situations where the maximum sound quality is needed especially for actual digital recording 24bit/192kHz environments where superior performance is required. They are based on the use of the latest circuit topologies, characterized by very low distortion, ultra-low noise and very wide frequency response. ARREL Audio systems are designed and hand-assembled in Italy with minimum cabling to obtain the best mechanical performances and the minimum degradation of the audio signal.

ARREL audio devices are designed utilizing mostly through-hole technology which provides better performances when compared to surface mount technology.

Moreover, no custom electronic components are used in ARREL Audio units.

Our aim is to transfer technology emerging from research in advanced innovative products.

## ST-501 TALKBACK SYSTEM



The **ARREL Audio ST-501 TALKBACK SYSTEM** is an advanced talkback system for studio/dubbing applications. Its main characteristics are:

TALK-BACK system conceived for dubbing and studio applications.

CASE: Unita RACK 19" x 1U

POWER SUPPLY: 220 V 50 Hz 30 W or 110 V 60 Hz

### AUDIO ENGINEER MIC

Input on XLR connectors. Three parallel inputs : IN1 on the back panel useful when the system is far from the user), IN2 and IN3 on the front panel when a gosselneck mic is used (left or right position with respect to the front panel).

Gain control range 20 dB.

TALK BACK push button on the front panel, and remoted on the 4 REMOTE connectors on the back panel (remote control accessory).

### DIRECTOR MIC

XLR connector on the back panel.

Gain control range 20 dB.

The Director mic can be activated only by using the 4 REMOTE connectors on the back panel (remote control accessory).

# ST-501 TALKBACK SYSTEM



## MICS

Electret (cardioid) on a gosselneck base XLR connector.

TALK AMP: Balanced out (electronic balancing, servo amplifier).

Out Level: + 4 dBu, Out impedance 600 ohm. The output can be unbalanced.

Out connector: Jack TRS on the back panel.

## CONTROL ROOM SPEAKERS

Automatic attenuation when the mics are activated. The attenuation can be controlled in the range -3dB to a -60 dB (complete attenuation) by a front panel control.

IN/OUT connectors: Jack TRS on the back panel. Balanced out line level, it can be unbalanced.

## STUDIO SPEAKERS

Automatic attenuation when the mics are activated. The attenuation can be controlled in the range -3dB to a -60 dB (complete attenuation) by a front panel control.

IN/OUT connectors: Jack TRS on the back panel. Balanced out line level, it can be unbalanced.

The studio speaker can be deactivated by selecting the MUTE control by the front panel push button.

The MUTE can be remoted on the four back panel REMOTE connectors.

A relais is activated to control a MUTE external indication lamp.

## REMOTE

Four remote connectors on the back panel to use 4 separate remote controls.

The remote controlled functions are:

TALK 1 (mic 1, LED 1 E 2)

TALK 2 (mic 2 LED 1 E 2)

MUTE (LED)

RECORD (LED)

## RECORD

Push button on the front panel.

A relais is activated to control a RECORD external indication lamp.

RECORD can be an be remoted on the four back panel REMOTE connectors.

