

ST-502 MONITOR SYSTEM

ARREL
AUDIO

REAL Innovation

ARREL Audio Overview

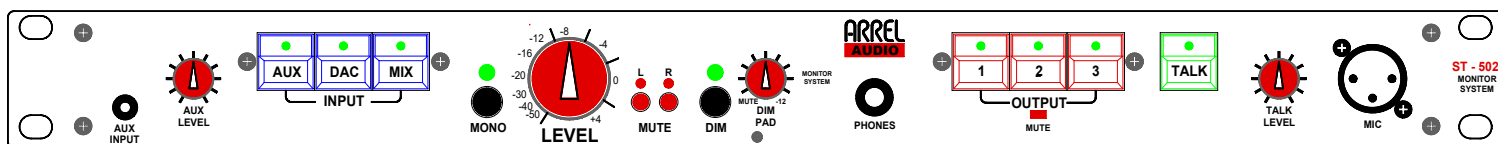
ARREL Audio products, conceived for the professional user, combines high reliability, rugged design, audio quality, versatility and ease of use. They are perfect for recording every kind of music in all the situations where the maximum sound quality is needed especially for actual digital recording 24bit/192kHz 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-502 MONITOR SYSTEM



The **ARREL Audio ST-502 MONITOR SYSTEM** is an advanced recording studio monitor system. Its main characteristics are:

CASE: RACK 19" x 1U

POWER SUPPLY : 220 V 50 Hz 30 W

INPUTS:

1. Mixer input. Electronic balancing. Impedance 10 Kohm, Input Level +4 dBu, Max Input level +30 dBu, DB 25 connector.
2. DAC Input, Electronic balancing. Impedance 10 Kohm, Level +4 dBu, Max +30 dBu, XLR connector.
3. AUX Input, Unbalanced, Impedance 47 Kohm, Input Level [-17 dBu, -2 dBu], Input Gain control on the front panel (AUX), Pin Jack RCA on the back panel + Jack 3.5 mm on the front panel. The use of the 3.5 mm Jack on the front panel excludes the Pin Jack RCA on the back panel. The CD/DVD/ input (amplified and balanced) is replicated as balanced output on the back panel (TRS Jack). The output is always active and do not depend on the selected input.

INPUT SELECTION:

3 momentary push buttons with electronic interlock (high quality audio relays).

AUDIO CONTROLS

MONO Push button (LED)

LEVEL Precision potentiometer with a large knob. Motorized potentiometer if requested together with the remote control.

MUTE L Push button (LED)

MUTE R Push button (LED)

DIM Push button (LED). Attenuation from 6dB to the infinity. DIM control is actuated by the TALK push button.

ST-502 MONITOR SYSTEM



REAL Innovation

OUTPUTS:

3 Outputs selected by momentary push buttons (electronic interlock)(high quality audio relays)

Electronic balancing. Low output impedance External load > 600 ohm. Out level +4 dbu. Max Out level +28 dBu.

Frequency response (-1 dB) 2/200.000 Hz. Total Harmonic Distorsion + Noise THDN 0.001 %

non used outputs are automatically shortened to avoid crosstalk.

DB 25 connector on the back panel.

HEADPHONE:

Impedance > di 16 ohm. Jack TRS on the fron panel. The headphone Jack insertion deactivate the 3 outputs (the selection remains memorized)

TALK

Condenser electret Michrophone on gossle- neck base and XLR connector on the front panel.

Gain control (20 dB range) on the front panel. Mic selection by the TALK push button (LED)

(High quality audio relays). Balanced Output, Level +4 dBu, Max Out level +26 dBu.

XLR connector on the back panel. The TALK push button activates the DIM control.

REMOTE CONTROL (opzionale)

The remote control requires the installation of the motorized potentiometer.

The remote control is connected to the ST-502 unit by using a DB25 connector.

The controls on the ST-502 unit are replicated on the remote control.

CONTROLS

Input selector

Output selector

DIM Push button

TALK push button

MONO push button

UP/DOWN output volume control Motorized pot.

