

# AUDIO SELECTORS 16(8)

AS-161 16 STEREO BALANCED INPUTS

AS-801 8 STEREO BALANCED INPUTS

Altair introduces two new Audio Selector series available in 16 or 8 balanced stereo inputs and 2 paralleled stereo balanced outputs. Due to the huge number of I/O 34\*, connections are made by the use of PHOENIX (TM) type terminal blocks.

These Audio selectors are made under Broadcast specifications, and incorporates a removable front panel unit allowing installation outside the main unit for a more convenient use.

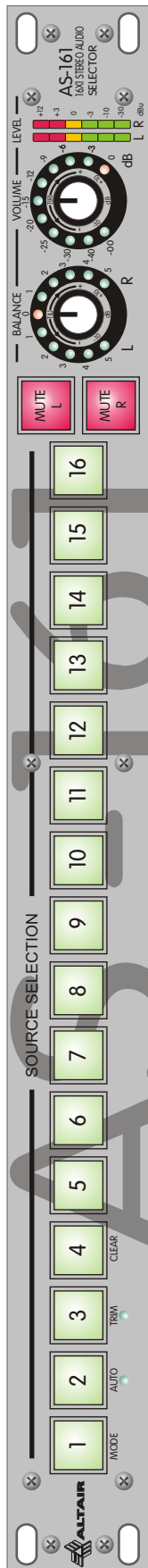
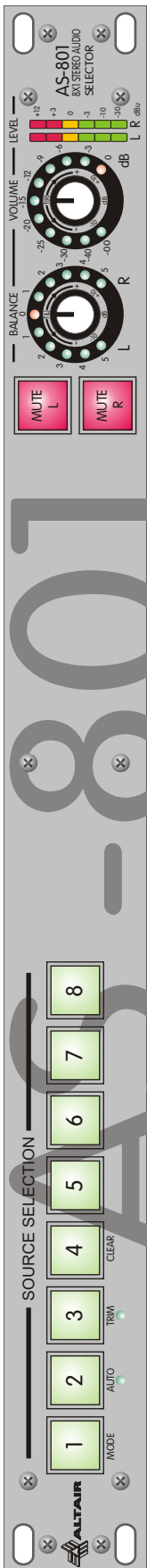
Volume and Balance controls by rotary encoder and position indicators, allows a precise and repeatable adjustments allowing special operations as individual input TRIM and memory for instant recall after booting the unit.

Channel selection and MUTE functions are made under a proprietary fade in/out technic reducing notably all type of switching artifacts obtaining clean channel transition or a progressive muting.

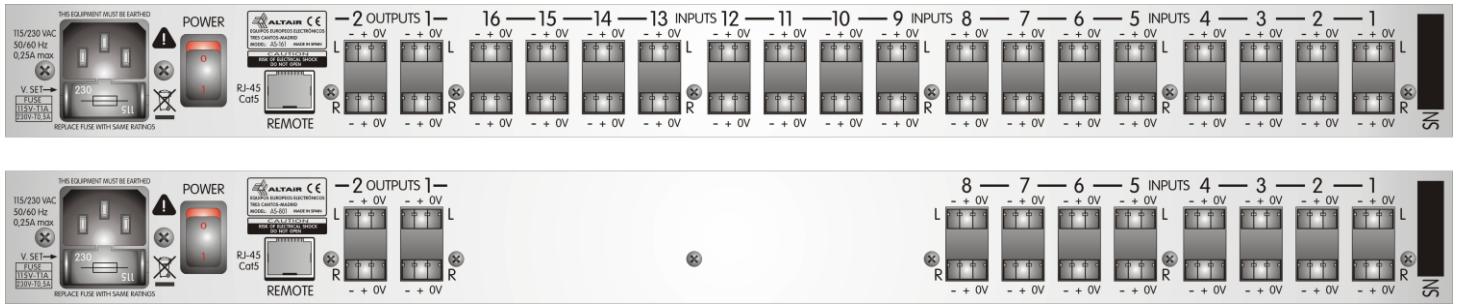
The selectors incorporates a selectable automatic AUTO selection mode. When active, simplifies the selection by reducing the number of operations to the simple start/stop of the source needed.

## FEATURES

- 16(8) STEREO BALANCED INPUTS
- FRONT PANEL REMOVABLE FROM THE MAIN UNIT
- BROADCAST QUALITY ILLUMINATED SWITCHES
- LEVEL AND BALANCE TRIM PER INPUT CHANNEL
- CHANNEL SELECTION MODES: MANUAL OR AUTO
- COMPACT, INOX FINISH 1 UNIT HIGH



## REAR PANEL. CONNECTION DIAGRAM



## TECHNICAL SPECIFICATIONS

BOTH CHANNELS L - R	
<b>INPUT CONNECTIONS</b>	<ul style="list-style-type: none"> <li>Phoenix™ 3.5" type.</li> </ul>
<b>INPUT IMPEDANCE</b>	<ul style="list-style-type: none"> <li>20 Kohm. electronically balanced.</li> </ul>
<b>INPUT LEVEL</b>	<ul style="list-style-type: none"> <li>0 dBu nominal / +22 dBu maximum.</li> </ul>
<b>OUTPUT CONNECTIONS</b>	<ul style="list-style-type: none"> <li>Phoenix™ 3.5" type.</li> </ul>
<b>OUTPUT IMPEDANCE</b>	<ul style="list-style-type: none"> <li>100 ohm. Balanced floating</li> </ul>
<b>OUTPUT LEVEL</b>	<ul style="list-style-type: none"> <li>0 dBu nominal / +22 dBu maximum.</li> </ul>
<b>FREQUENCY RESPONSE</b>	<ul style="list-style-type: none"> <li>25 Hz to 50 KHz (+0, -0.5 dB).</li> </ul>
<b>DISTORTION</b>	<ul style="list-style-type: none"> <li>THD+N &lt; 0,03% @ 0 dBu (25Hz- 50KHz).</li> </ul>
<b>CROSTALK L/R:</b>	<ul style="list-style-type: none"> <li>Better than 90 dB at 1KHz. &gt;75 dB from 20 Hz to 20 KHz).</li> </ul>
<b>SELECTED INPUT vs UNSELECTED INPUT CROSTALK</b>	<ul style="list-style-type: none"> <li>Better than 90 dB at 1KHz. &gt;80 dB from 20 Hz to 20 KHz).</li> </ul>
<b>C.M.R.R.</b>	<ul style="list-style-type: none"> <li>Typical value: Better than 65 dB at 1KHz.</li> </ul>
<b>SIGNAL NOISE S/N RATIO</b>	<ul style="list-style-type: none"> <li>Better than 110 dB, un-weighted (U/W 20Hz- 20KHz ).</li> </ul>
<b>MUTE ATTENUATION</b>	<ul style="list-style-type: none"> <li>Better than 103 dB at 1KHz. 90 dB at 10KHz</li> </ul>
<b>GAIN</b>	<ul style="list-style-type: none"> <li>-6 dB volume at 0 dB, balance at 50%.</li> <li>0 dB volume at 0 dB, balance at 100%.</li> </ul>
<b>OUTPUT LEVEL</b>	<ul style="list-style-type: none"> <li>Adjustable from 0 dB to -59 dB and -∞dB.</li> </ul>
<b>INPUT SIGNAL THRESHOLD LEVEL FOR AUTO MODE</b>	<ul style="list-style-type: none"> <li>Better than 140 mV (-15 dBu). Lower signals requires manual selection</li> </ul>
<b>LINE POWER</b>	<ul style="list-style-type: none"> <li>Selectable 115/230 VAC ±12%, 50-60 Hz.</li> </ul>
<b>POWER COMSUMPTION:</b>	<ul style="list-style-type: none"> <li>20 V.A.</li> </ul>
<b>DIMENSIONS:</b>	<ul style="list-style-type: none"> <li>MAIN UNIT 483x44x220 mm. (19" x 1U).</li> <li>FRONT PANEL UNIT 483X44X35 mm. (19" x 1U).</li> </ul>

