

AST 6ZC Audio Mixer/Matrix

6ZC had been designed as a "problem solver" for medium size installations of all types.

6 zone volume level control for Line Level (music normally) and 6 separate volume level controls for Microphone / Telephone are provided, enabling actual matrix control for the 2 types of premix.



The microphone / telephone mixer section enables mix of 3 balanced input microphones and balanced, isolated telephone input.

Microphone 3 and Telephone inputs are "Talk Over" type and will always mute line level (music) in all zones. This input will serve as evacuation or announcing to all zones.

Mic. 2 will act as Mic. 3, when "AUTO T/O" switch on front panel assigned to upper "SELECTED MIC 2". In such case, the "Combi" input of Mic. 2 shall be used.

Mic.1 and Mic.2 ("AUTO T/O" switch lower positioned) can be assigned to the 6 Zones via the Screened RJ-45 connector: 1-4 individually and 5 + 6 together as "large zone". In the case microphone 1 or 2 are assigned by a switching unit (dedicated **AST 5ZM** or any simple short to ground control via the RJ-45 connector), the switched zone will mute the zone's Line (Music) input and microphone mix will enter the selected zone. A mix facility in between Line and Mic. 1/ 2, will be provided in special cases, by inner DIP switch, marked 1-6 for the zone selection.

Special vocal High and Low Tone Controls are provided for the microphone section, enabling good intelligibility ("Sound Field" applications) and preventing of feedback.

6ZC has 3 Line level inputs for music or other applications. First knob controls the level of high quality internal USB/SD Player with screen and random play mode. Line 1 and Line 2 are inputs for 2 external devices with RCA connectors.

High quality Shelve Tone controls, enables proper loudness and compensation for music.

Internal 1W speaker and amplifier provide monitoring of the line level sources. This special function is very useful in the case where the audio system located in remote room or site.

In order to prevent unwanted approach to the many controls and functions of the 6ZC, a transparent Polycarbonate cover supplied in order to block the control section, except the Player, Monitor, Master Volume Controls (Line + Mic.) and Mains switch.

6ZC can be part of Evacuation System as it has Back Up Battery 12V input.

Zone outputs are provided via both RCA sockets and Terminal Blocks for the installer convenience. Microphones Mix output and Line Mix outputs, enables "Daisy Chain" of another unit of 6ZC or for the purpose of recording information from the 6ZC.

