McGregor Z4Z Zone Amplifier Installers Guide

MICROPHONE INPUTS
Microphones can be wired balanced or unbalanced.
XLR or standard 6.3mm jack plugs can be used.
Microphone cables longer than five metres should be balanced line and wired with a good quality screened cable.
Microphone input sockets are situated on the front and the back panel for ease of use.
A rear mounted unbalanced microphone output (6.3mm jack) enables more than one Z4Z to be driven by a single microphone.

LINE INPUTS
Four stereo line inputs are mounted on the rear panel with separate trim level controls.
Inputs can be parallel connected to more than one Z4Z by using piggy- back RCA phono leads.
Virtual earth mixing ensures that stereo channels are mixed so as not to effect any additionally connected equipment.

INPUT SELECTION (LINE AND MIC)
Each zone can access one of the four line inputs by pressing the relevant push switch.
DO NOT select more than one input per zone or you will be listening to both sources.
To change a zone input, deselect the non-required input, then select the required input, this prevents selection of two music inputs simultaneously which is not desirable.
Microphone selection for any zone is LED indicated after pressing the microphone push switch. Level and tone controls should be adjusted as required for the venue
The PPI indicator illuminates if the microphone gain control is set too high.
VOX (voice override) adjustments would normally only be made at the point of installation and subject to customer requirements. Experienced persons only should carry out this procedure, as access to the amplifier internals is required.
Each zone has a PCB mounted preset located on the lower front panel PCB.
The upper PCB has a screwdriver access hole and adjustment is via the top PCB.
VOX pre-sets, adjust between off and max in the direction indicated on the top PCB.

LINE OUTPUT
Twin RCA output sockets mounted on the rear panel can be used to drive additional power amplifiers for even more zones or extra power if required.

REMOTE VOLUME CONTROL AND FIRE ALARM INTERFACE
Use the rear mounted terminal block for fire alarm and remote volume control connection. Fire alarm connection is via an open contact relay in the fire alarm.
Remote volume control per zone is available and is simply a boxed 100k linear potentiometer. Connection details are printed on the rear of the amplifier with the potentiometer viewed from the spindle side.
The remote active LED for each zone changes brightness as the remote volume control changes the music level.
The remote volume control does not effect the microphone level as this must be left open for announcement purposes in the event of a fire.
Fire alarm and Remote Volume controls do not require screened cable. CAT 5 or alarm cable can be used.