

OPERATION OF THE HI-POWER AUTO RECALL TYPE: AUT-500



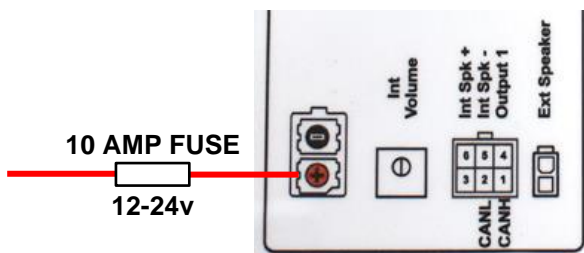
OPERATION OF THE RSG HI-POWER AUTO RECALL TYPE AUT-500

Introduction

The RSG Hi-Power Auto Recall amplifier is designed to operate in conjunction with the range of RSG Illuminated Roof Signs or standalone speakers. The unit provides both regular Public Address facility as well as a Solid-State memory chip that can record messages up to 60 seconds long and will continuously repeat these messages at pre-set intervals.

Connections

The MCS-ARC requires an external power source from 12-24v. The device is supplied with a few accessories to make the required connections for operation. A 6-way connector is supplied for the connection of the internal speaker, CAN and one negative output. The device is operated with the use of a Midi T10 Handset and Fist Mic. The Midi T10 Handset and Fist Mic are connected to the MCS-ARC via an MCS-SPL3_ARC adapter. The Midi T10 Handset is connected to the socket labeled "Handset", the fist mic to the "Fist Mic" socket and the MCS-ARC is connected via the MCS-FRC_500 cable to the socket labeled "ARC".



Power Management

If the "ON/OFF" button is illuminated red, the device is not active and if it remains in this state for more than 20 seconds the device will enter sleep mode to reduce power consumption. If while in sleep mode any button is pressed on the handset device will wake up from sleep mode. Pressing "ON/OFF" button will illuminate it red and all the other buttons on the handset will also be illuminated their respective colours. The device is now in "ON" mode.



Public Address

The user may enter the public address mode by pressing the "PUBLIC ADDRESS" button. The button will illuminate bright white when it is active, the user can then use the fist mic with PTT button pressed to speak to the public over the external speaker. Pressing the button again will deactivate public address mode and the button will return to dim white. The public address mode has no volume control.



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Recording a message

To record a message the user must press the “**RECORD & PREVIEW**” button for one second to begin recording. The button will change from green to flashing red while the device is preparing to record. Once the recording begins the button changes to steady red and all the other button illuminations turn off while recording is in progress. At this point the user will then speak the desired message into the fist mic with the PTT button of the mic pressed. Upon release of the PTT button the recording will stop, the “**RECORD & PREVIEW**” will return to steady green and the rest of the handset illumination will return to their states prior to recording.



Previewing the recorded message

To preview a message the user must press the “**RECORD & PREVIEW**” button without holding it in. The button will then flash green and the message that was recorded will be played back to the user via the internal speaker. On completion of the message playback the button will return to steady green.

Single Broadcast

The user can play the recorded message once via the external speaker by pressing “**SINGLE BROADCAST**” button. While the broadcast is playing the button will flash blue and upon completion of the message playback the button will return to steady blue. The volume can be controlled at anytime via the “**VOLUME UP**” and “**VOLUME DOWN**” buttons.



Constant Broadcast

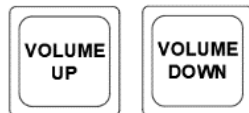
The user can play the recorded message repetitively via the external speaker by pressing the “**CONSTANT BROADCAST**” button. While active the button will flash cyan and the message will repeat at an interval set via the “**DELAY UP**” and “**DELAY DOWN**” buttons.



Volume

The “**VOLUME UP**” and “**VOLUME DOWN**” buttons control the volume of the broadcast over the external speaker. The volume level is indicated via the following LED colours of the buttons themselves:

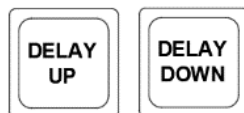
- RED – 10%
- YELLOW – 20%
- GREEN – 40%
- BLUE – 60%
- PURPLE – 80%
- WHITE – 100%



Delay

The “**DELAY UP**” and “**DELAY DOWN**” buttons control the interval between message repetition in constant broadcast mode. The delays are indicated via the following LED colour of the buttons themselves.

- YELLOW – 20 seconds
- GREEN – 30 seconds
- BLUE – 40 seconds
- PURPLE – 50 seconds
- WHITE – 1 minute



Warning Lights

The user can activate the Lightbar Warning Lights by pressing the “**WARNING LIGHTS**” button. The light activation wire from the lightbar is connected to the Output 1 (pin 4) of the 6-way connector on the MCS-ARC.

