



Professional Six Zone Desktop Mixing Amplifier Accessories

A 4352 Remote Paging Console Interface Board
A 4353 Remote Paging Microphone Console



Operating Instructions

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JDM® 6 Zone Public Address Amplifiers

A 4352 REMOTE CONTROL RECEIVER MODULE

INSTALLATION AND OPERATION MANUAL

(INCLUDES GUIDELINES FOR USING THE A4353 REMOTE PAGING CONSOLE)

INTRODUCTION

Congratulations on your decision to purchase the A4352 Remote Control Receiver Module and the A4353 Remote Paging Console. Used together, these two accessories provide the A4330 – A4336 series PA amplifiers (JD-Media ZA6000 series) with a range of functionality, primarily push-to-talk microphone audio that can be assigned to any one or all of the available zone speaker channels connected to the amplifier. What the A4352 and A4353 do, in effect, is give an operator access to the Speaker Zone & A.T.T. controls on the front panel for the A4330-6 amplifier, while being located at a remote place. This means a user can talk through the PA system using a Remote Paging Console that could be in another part of a factory or school complex, far removed from the location of the actual amplifier unit.

The A 4352 allows you to connect up three A4353 Consoles simultaneously in a daisy chain, using three pairs of RJ45 (CAT5e) LAN cable. The combined total length of the cable pairs from the amplifier unit to the third / last A 4353 in the chain shall NOT exceed 1000 metres.

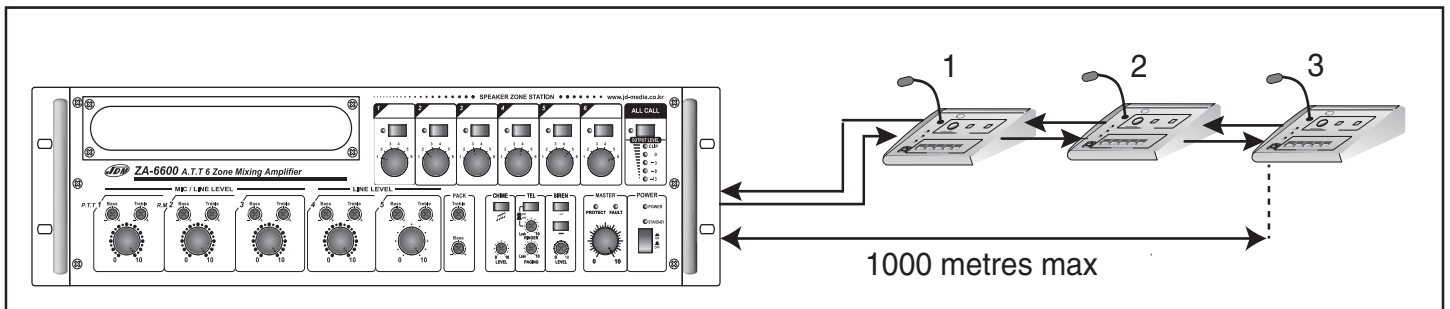


Figure 1: Wiring for optional multiple remote paging consoles - up to three units

A 4352 REMOTE CONTROL RECEIVER MODULE INSTALLATION

On the left (looking from the rear of the unit) is the shot of the RR-600 module installed in the right side corner of the amplifier, with RJ45 sockets shown on the Rear Panel. You can see how the connecting cables extend out from the RR-600 PCB to designated socket point on the other PCBs inside the main amplifier casing. On the right side is the picture showing the front panel main PCB, where a socket labelled 'To RR-600' is located. The connector cable from the RR-600 module PCB plugs into this socket.

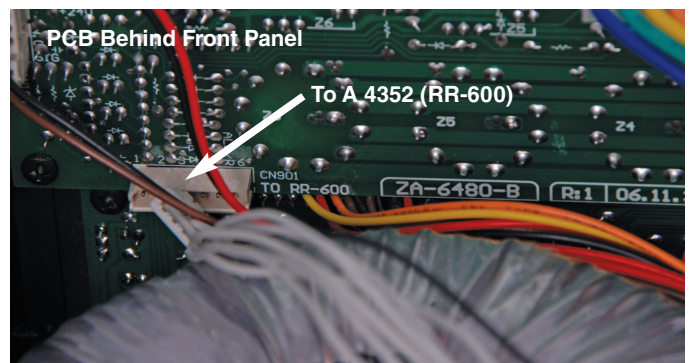
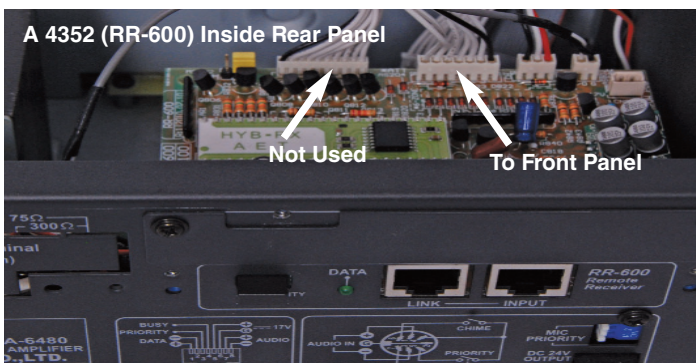
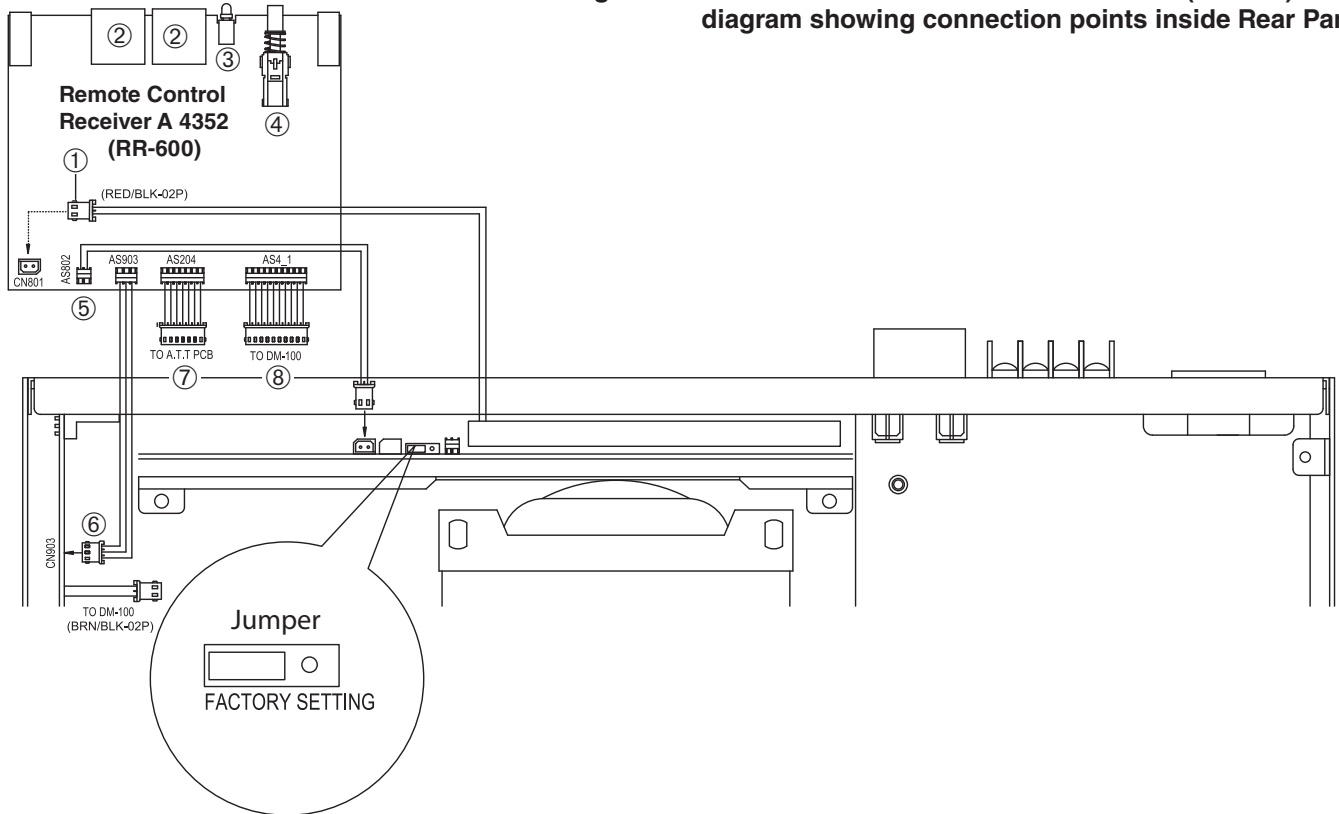


Figure 2: Photos showing wiring and installation for A4352 Remote Control Receiver Module.

Steps:

1. There are labels which read 'RR-600' at connection points on various PCBs inside the amplifier case. Insert the correct plugs that match the size and shape of each socket.
2. The longest wired connection from the A 4352 (RR-600) module stretches diagonally across the inside of the amplifier to the socket labelled 'To RR-600' on the right corner of the front panel PCB, which controls the zone speaker activation. (Right photo Figure 2)
3. DM-100 connection is not supported for Australian models, so leave that wire and plug disconnected inside the amplifier case.
4. The other smaller wired connections are used for P.T.T and power and have matching sockets in the vicinity of the A4352 (RR-600) module. Plug those into the appropriate sockets (See Fig. 3).
5. The same screws which attach the cover plate to the rear panel of the amplifier can also be used to attach the module firmly into place.

Figure 3: A4352 Remote Control Receiver Module (RR-600) wiring diagram showing connection points inside Rear Panel.



For RR-600 only, connect number 1 to CN801.

1. Power supply cable to connect main amp power to A4352.
2. RJ-45 In/Out sockets.
3. Data LED – This lights up to show any data send / receive operations.
4. SLAVE / PRIORITY – This button controls the priority status of the A4353.
5. Data connection cable to join A4352 to the electronics of the rear panel.
6. Data connection cable to join A4352 to the priority control circuits of the microphones and P.T.T.
7. Data connection cable to join the A4352 to the Speaker Zones & A.T.T. circuitry on the Front Panel's main PCB. This is the most important connection for the operation of the A4353.
8. DM-100 data connections are designed to connect to the Digital Message module. (Not currently available in Australia)]

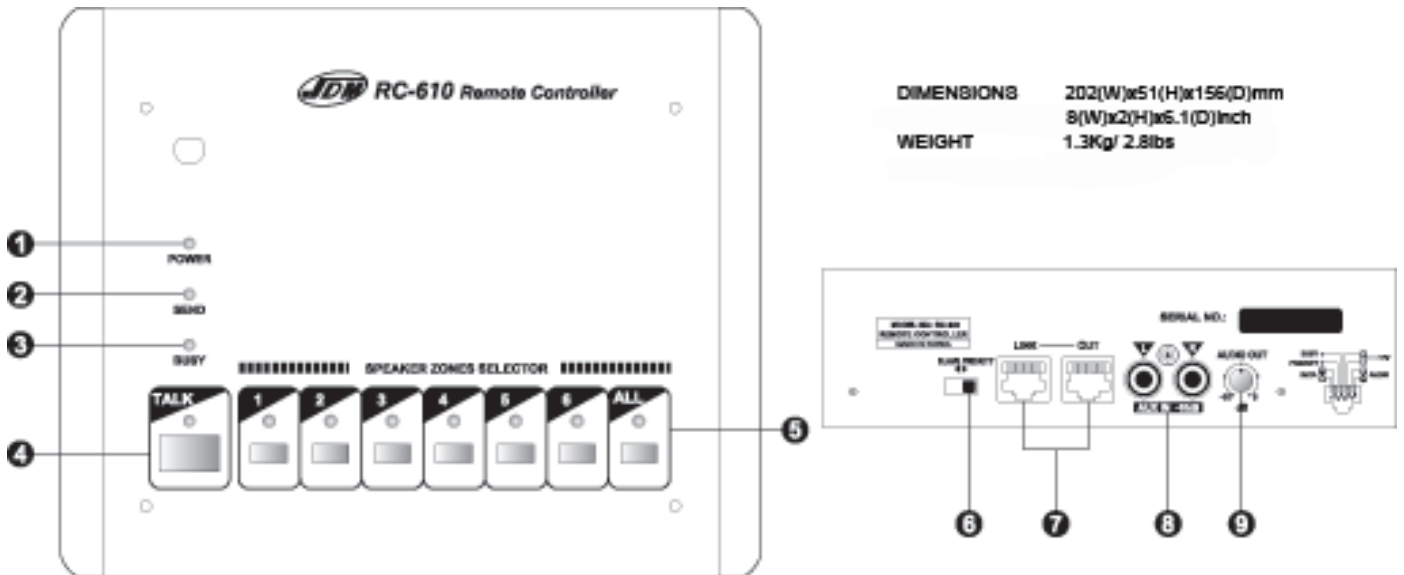


Figure 4: A 4353 Remote Paging Console - Front and Rear Panel controls and sockets

USING THE A4353 REMOTE PAGING CONSOLE

FRONT PANEL (Left side Fig. 4)

1. **POWER** – This LED indicator lights up when the mains power to the amplifier is switched on.
2. **SEND** – This LED flashes to show that data is being transferred to and from the amplifier.
3. **BUSY** – This means the TALK button has been pressed on one A 4353 paging console. When the SLAVE / PRIORITY button on the rear panel is set to the SLAVE position, then the BUSY LED will no longer light up.
4. **TALK** – Pressing this switch will firstly activate the programmed CHIME, and once that has played, a user can talk via the built-in paging microphone. Activation of this button will silence / mute all other active audio sources connected to the amplifier.
5. **SPEAKER ZONES SELECTOR** – Pressing one of the zone buttons (1 to 6) sends the microphone’s audio signal to the desired loud speaker zone. The attenuation on the main amplifier is reset and the zone output power is converted to high impedance. The corresponding LED indicator lights up. Pressing ALL will send the microphone audio to all the speaker zones simultaneously. Please select your preferred speaker zone before pushing TALK.

REAR PANEL (Right side Fig. 4)

6. **SLAVE/PRIORITY** – When operating two or more A 4353 consoles simultaneously in a daisy chain connection, one of the paging consoles can be given priority while the others are set to SLAVE. In the event that the A 4353 is set to SLAVE, and the TALK button is pressed, it will operate only after the master paging console has finished operating.
7. **LINK---OUTPUT** – Power, data, audio and control signals are all transmitted and received along a pair of Cat5e UTP cables (RJ45 connectors). The combined total length of cable pairs from the amplifier to the last A 4353 paging console is 1000m. See Fig. 1.
8. **AUX INPUT** – These RCA sockets are suitable for connecting a stereo cassette deck or similar audio device. The AUX input will also take priority over other input sources, such as those devices connected to inputs 4 and 5, and the CD/Tuner modules installed in the front panel slot. It acts like an audio ‘ducking’ system, such that when the AUX volume is high enough the amp will ‘soft’ mute other sources. Otherwise all sources will play simultaneously.
9. **AUDIO OUT GAIN** – This knob controls the audio output volume.