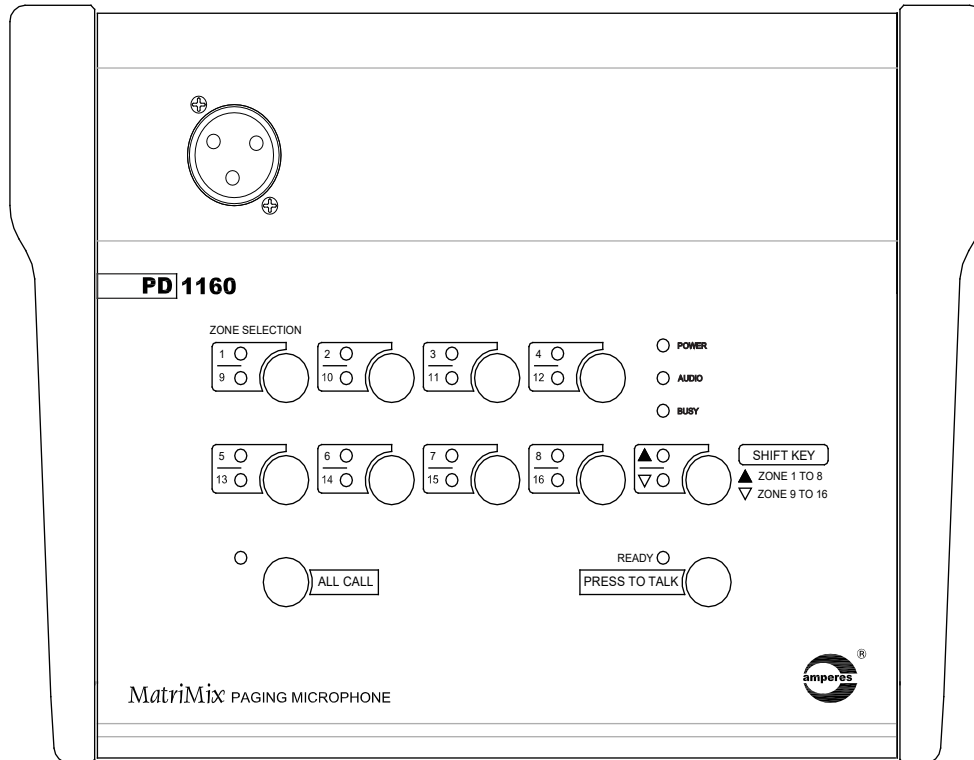




INSTRUCTION MANUAL

PD1160

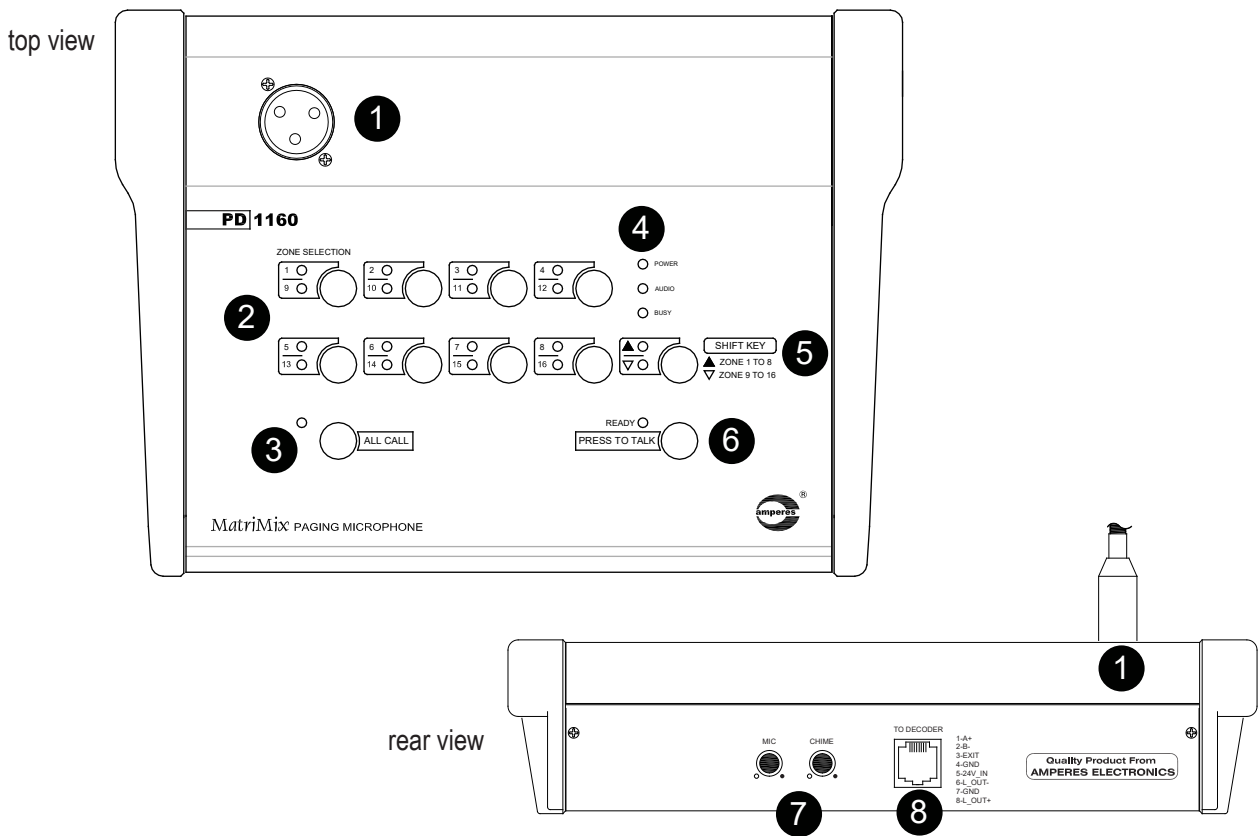
8 / 16 Zone Digital Paging Microphone



Thank you for choosing another quality product from Amperes Electronics.

PD1160 is a simple 8 / 16 channel paging desk, suitable for direct connection to MxP Matrix Controller. Now it has built in chime and is compatible with other zone decoders such as TD6240, TD6080 and TD6400.

Parts Identifications



1. GOOSENECK MIC

The detachable mic with illuminated LED ring when the unit is activated.

2. KEYPAD

Zone selections keypad with shift key to enable zone expansion for 9 to 16.

3. ALL CALL SWITCH

Pressing ALL CALL switch shall activate all zones. Please note that this shall not activate the Emergency 24V Relay at the zone selector to override external volume controllers.

4. LED INDICATORS

Power LED for DC input to the console. The Audio for microphone sound pick up, whereas the Busy LED shall lit whenever the main controller or other mic is in used.

5. SHIFT KEY

Press this key for selecting zone 1 to 8 or zone 9 to 16.

Parts Identifications

6. PRESS TO TALK BUTTON

Select the zones required before pressing this button. A chime shall start (if selected) and followed by mic activation, which is indicated by the illuminated ring at the microphone.

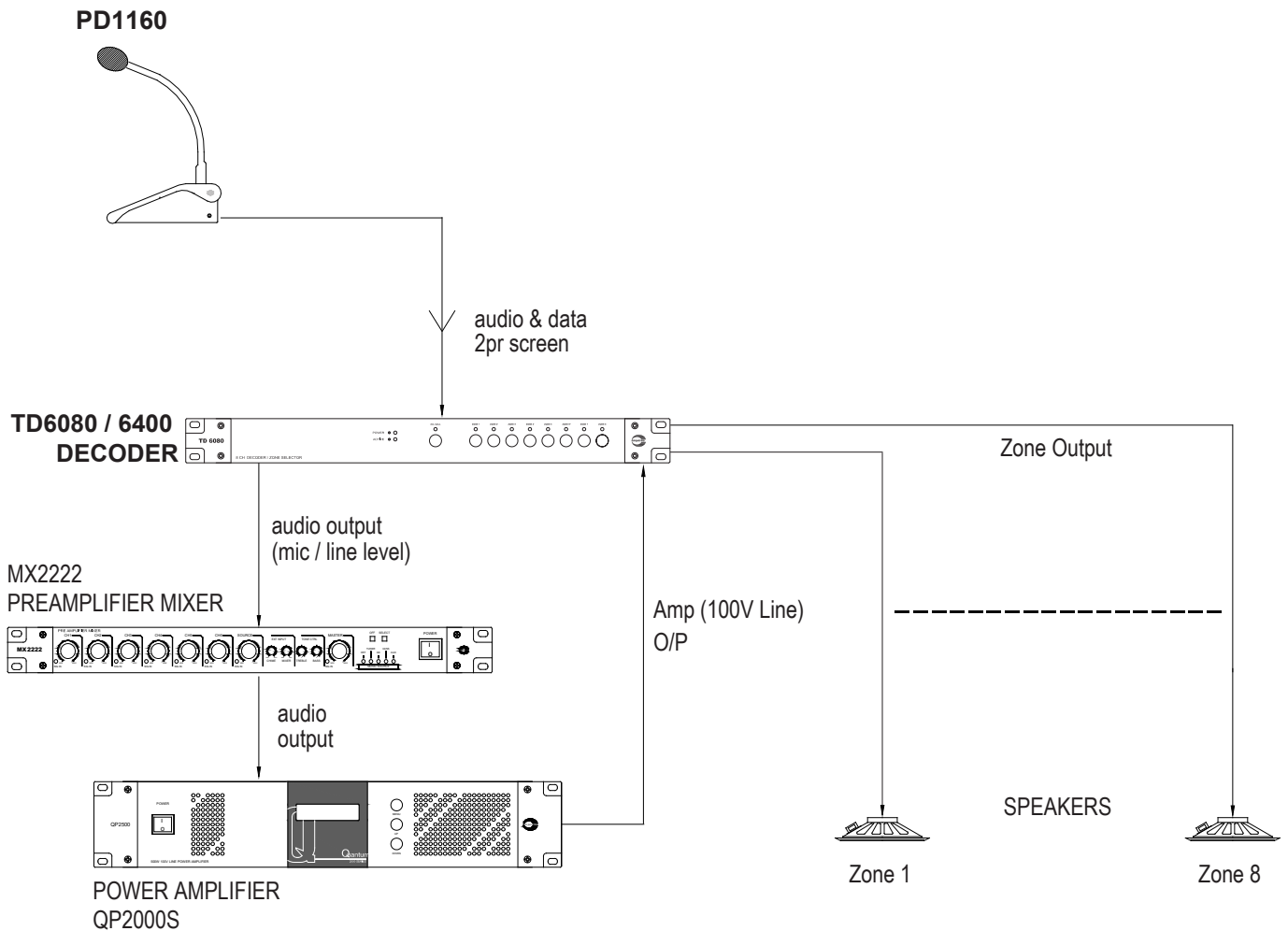
7. MIC AND CHIME VOLUME

Chime output level as well as mic sensitivity level can be adjusted accordingly to the requirements.

8. DATA / AUDIO OUTPUT / POWER CONNECTOR

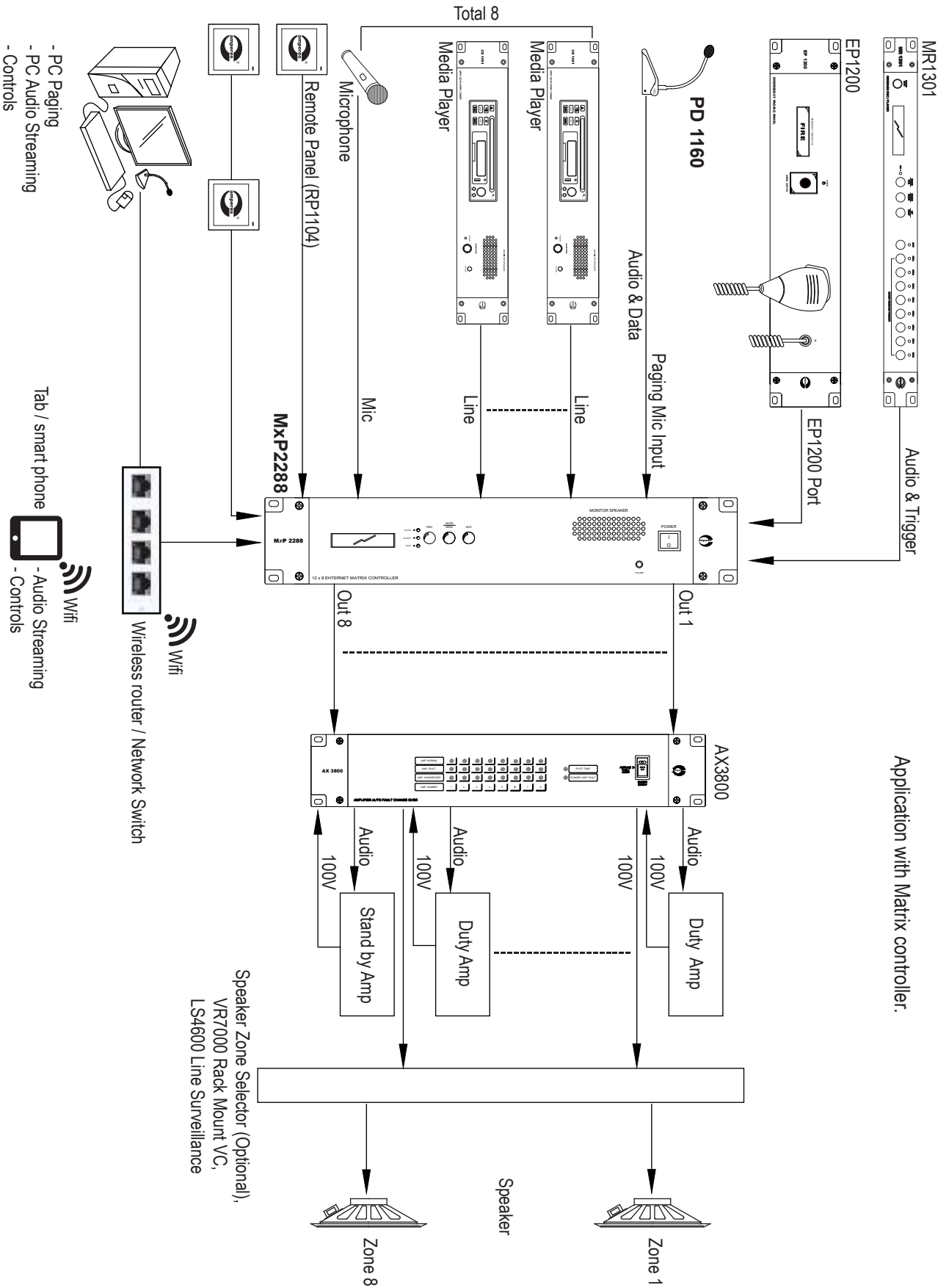
Data and audio outputs are connected to EX2800 External Connection Unit via RJ45 connector. Power can be fed to the unit either from EX2800 (24V DC) or via the power jack 12V DC. Use either one power input source only.

General Schematic Diagram



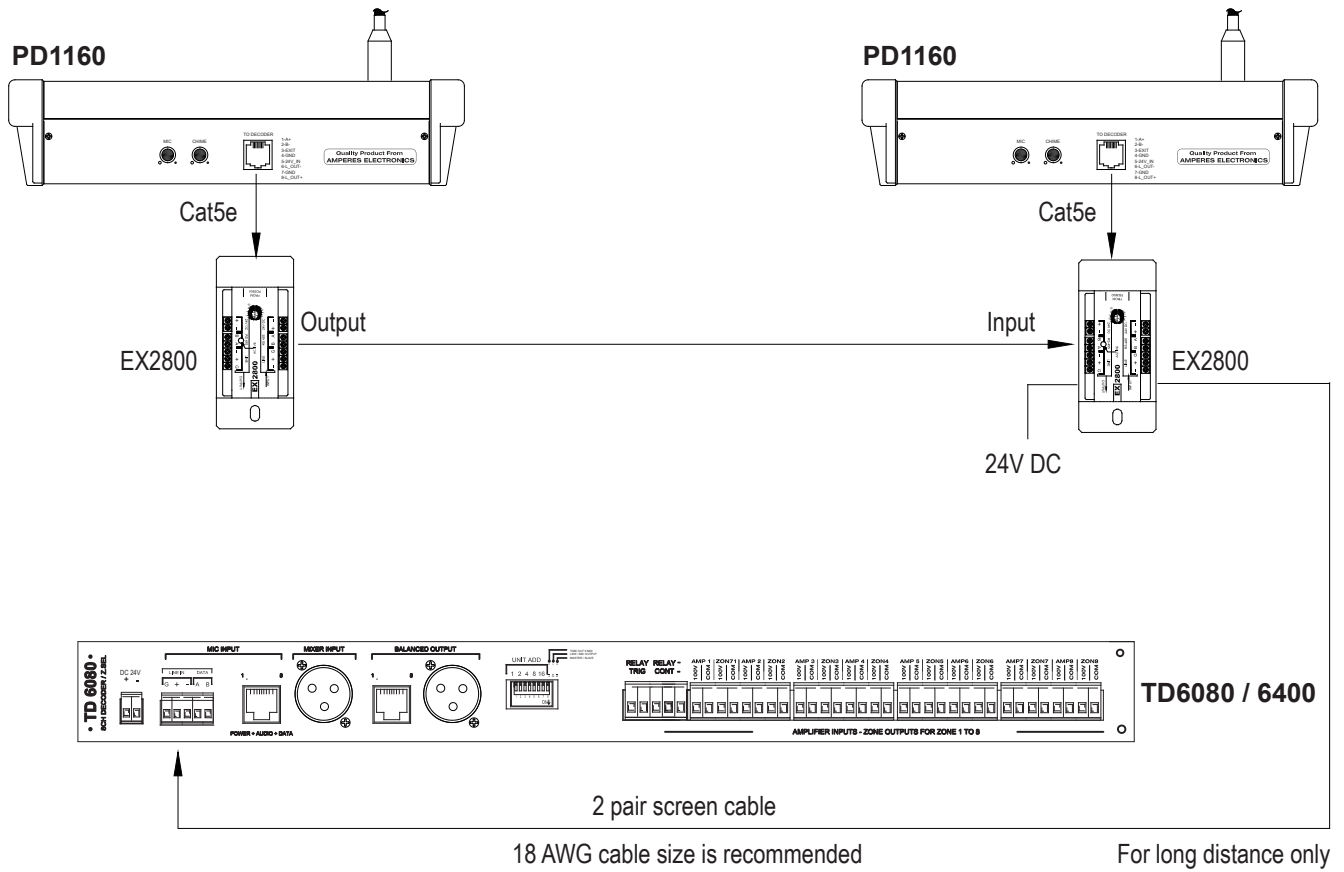
Application with TD zone decoder / selector.

Application Schematic

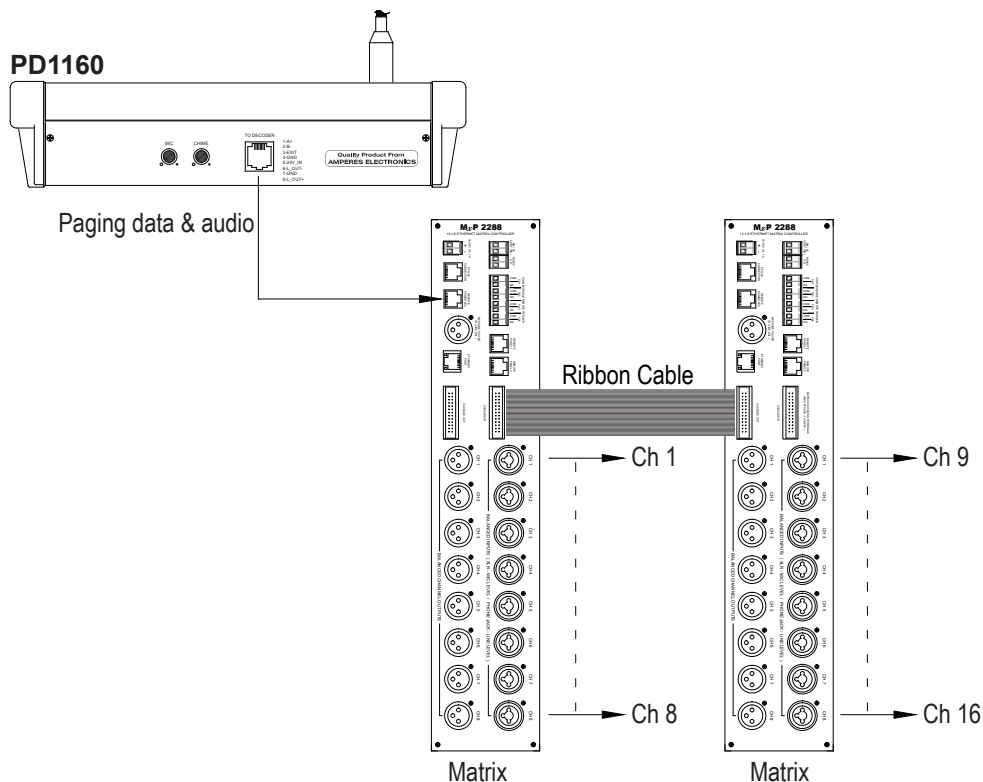


Application with Matrix controller.

Connecting the Unit - Multipoint Paging Installations

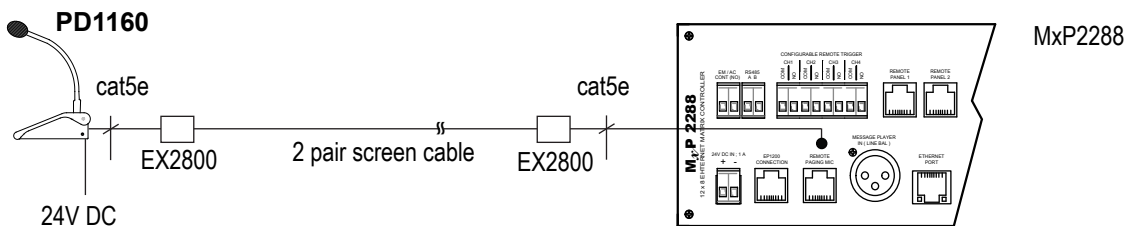
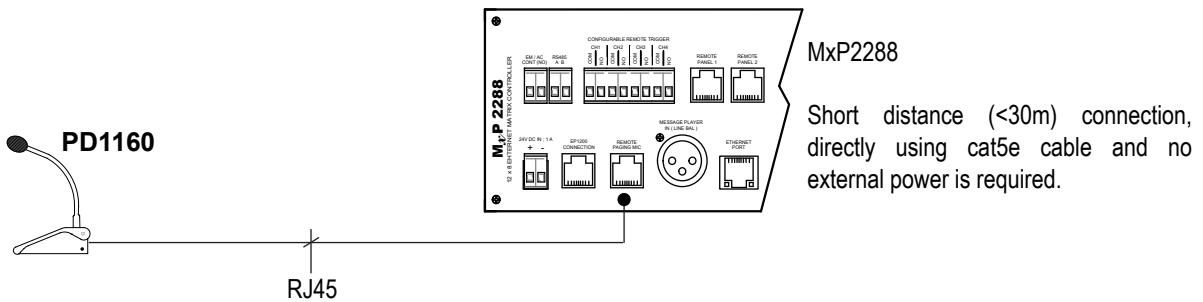


Connecting the Unit - BGM Grouping (Matrix Cascade)

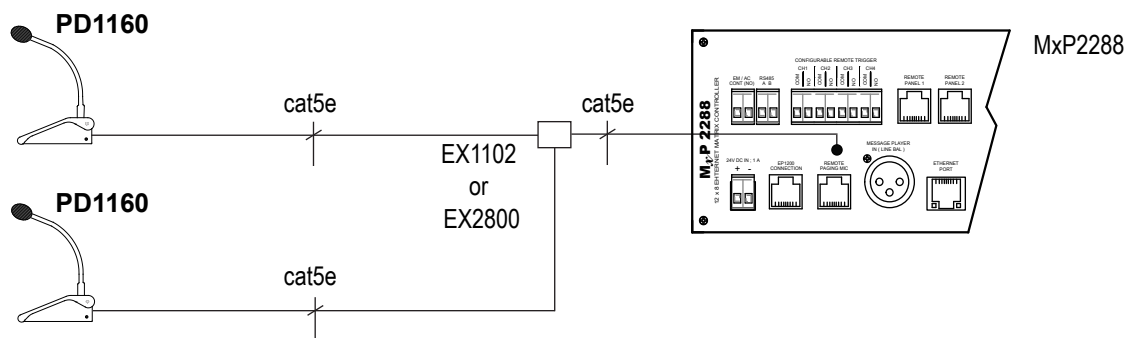


Connecting the Unit

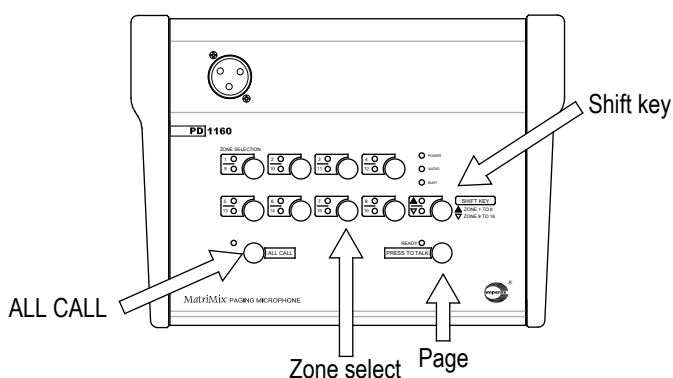
PD1160 is compatible with MxP2288, connected directly via RJ45 jack for short distance connection.



If multipoint paging station is available, use mic extender as show.



Operating the Unit



TO MAKE PAGING:

1.) To make ALL CALL paging:

1. Press ALL CALL button, all LEDs lights up.
2. Press page button (press to talk button) to start paging.
3. Talk through the mic.
4. To end paging, press page button (press to talk button).

2.) To make individual zone paging:

1. Select required zone and press page button (press to talk button).
2. Use shift key for selecting zone 1 to 8 or zone 9 to 16.
3. Adjust volume of chime and mic at rear panel of the unit. When the main controller is busy or other mic is in used, it is indicated by busy LED.

Technical Data

Power requirement	24V DC via MxP2288 / TD6080 / TD6400
Power consumption	200 mA
Zone selection	8 / 16 zone keys with ALL CALL
Microphone	Condenser microphone cardioid
Output impedance	600 Ohm balanced
Output level	1.2 V (line output)
Output controls	Chime and mic level
Data output	RS485; 19.2 kpbs
Data connection	RJ45 to MxP2288 / TD6080 / TD6400
Operating distance (data)	300 m
Audio distance	300 m
Chime	4 tone up / 4 tone down
Indicators	Power, source, volume, busy
Frequency response	100 ~ 12 KHz
S/N ratio	> 60 dB at 1 KHz
Gooseneck mic length	370 mm
Dimensions (W x H x D)	150 x 62 x 186 mm (body only)
Weight (excl. adaptor)	1.00 kg

Note:

The above specifications are correct at the time of printing but subjected to changes without prior notice due to product improvements.

Warranty Conditions

Only Amperes Electronics Service Centres are allowed to make warranty repairs : a list of Amperes Electronics Service Centres may be asked for by the purchaser or send directly to Amperes Electronics Sdn Bhd at 70 Jalan Industri PBP 3, Tmn Perindustrian Pusat Bandar Puchong, 47100, Puchong, Selangor, Malaysia or its authorized dealers. This warranty is not valid if repairs are performed by unauthorized personnel or service centres.

This warranty covers only repairs and replacement of defective parts ; cost and risks of transportation as well as removal and installation of the product from the main system are for the account of the purchaser. This warranty shall not extend to the replacement of the unit.

This warranty does not cover damages caused by misuse, neglect, accident of the product as well as using the product with power supply voltage other than shown on the product, or any other power supply source / adaptor not recommended by the manufacturer.

This warranty does not cover damages caused by fire, earthquakes, floods, lightning and every cause not directly related to the unit.

This warranty does not include any indemnity in favor of the purchaser or the dealer for the period out of use of the unit; moreover the warranty does not cover any damages which may be caused to people and things when using the product.

This warranty certificate is valid only for the described product, and is not valid if modifications are made on this certificate or on the identification label applied on the product.

This warranty covers all the material and manufacturing defects and is valid for a period of 36 months from the date of purchase or for a specified period in countries where this is stated by a national law. In this case, the extension is valid only in the country where the product is purchased.

Amperes Electronics Sdn Bhd is not obliged to modify previously manufactured products under warranty if the design changes or improvements are made.

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It is recommended that all services and repairs on this product be carried out by AMPERES ELECTRONICS SDN BHD or its authorized service agents.

AMPERES series must only be used for the purpose they were intended by the manufacturer and in conjunction with this operating manual.

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