TE6000 is used to convert analogue zone switching into RS485 data for long distance transmission of up to 1000 m. It shall also convert unbalanced signal to balanced line output which is a preferred way of long distance audio cable run. This eliminates the need of large multicore cables which may not be economical, inaccurate due to cable voltage drop and unwanted noise. Combination of multiple units of TE6000 shall enable large setup to be made.

TD6801 and TD6240 shall be the decoder at the receiving end for TE6000 encoder as well as Amperes PD2400 and PD2800 paging microphones. TD6801 has 12 switching outputs while its sibling TD6240 (rack mounted) has 24. Both accepts 3 input circuits, thus enabling multipoint paging configuration with different priority. More than one TD6801 or TD6240 can be linked to form a large network.

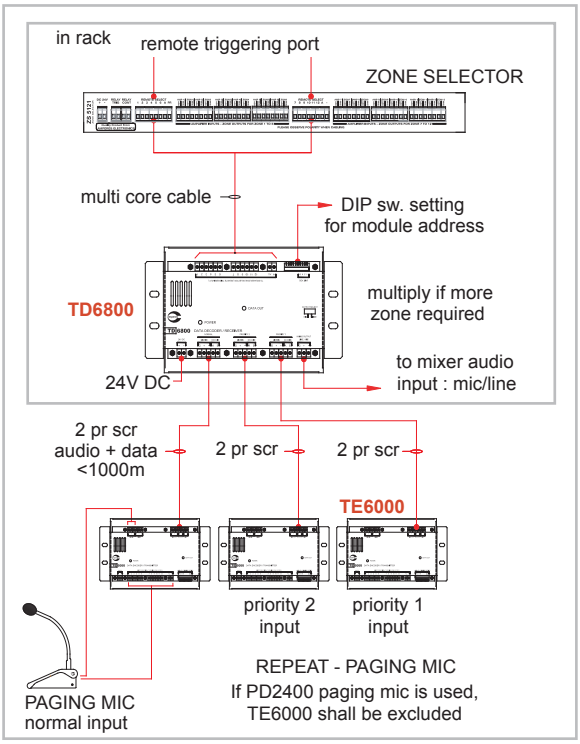
Data Encoder

TE6000 : 12 Ch Switching Data Encoder

FEATURES

- Long distance switching data transmission over RS485
- Converts unbalanced into balanced audio signal for minimal noise interference in long distance cabling
- Expandable and addressable to cater for more zones
- Priority setting for multi point paging setup
- Compatible with most analogue paging microphones

APPLICATION SCHEMATIC



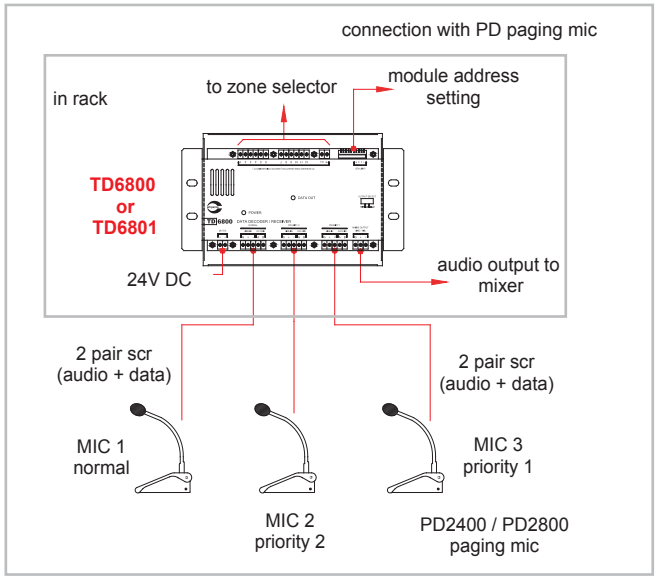
Data Decoder

12 Ch Switching Data Decoder : TD6801
24 Ch Rack Mount Data Decoder : TD6240

FEATURES

- Expandable and addressable to cater for more than 12 zone
- Priority setting for mult point paging setup
- Selectable balanced audio output level
- Compatible with most zone selectors with remote triggering port
- Rack mounted or modular unit available
- Connect directly to ZS5601 / 5121 via remote triggering port

APPLICATION SCHEMATIC



TECHNICAL SPECIFICATIONS

	TE6000 / TD6801 / TD6240
Operating voltage	24V DC
Consumption	2.4W (100 mA)
Switching channels	12 / 12 / 24 with 1 priority
Cascade / max zones	15 / 15 / 8 (max 192 zones)
Input circuit	nil / 3 / 3
Output connection	Hardwired / Hardwired / RJ45

AUDIO	
Input impedance (Ohm)	Mic : 600 ; Line : 10 K
Output impedance	600 Ohm balanced
Freq response	70 ~ 15 KHz
Audio input	Mic / Line
Max audio output	Line 1.1 V

DATA	
Data protocol	RS485
Baud rate	19.2 K bps
Dim (W x H x D)	218 x 35 x 127 (TE6000/6801)
	482 x 44 x 130 (TD6240)
Weight	550 g / 550 g / 1.6 kg

2009 : all rights reserved by amperes electronics sdn bhd