



## ANALOG TALKBACK SYSTEM TB6000

The KROMA TB6000 series Talkback System is based on Central Switching Matrices of 8x8, 16x16 and 32x32. All matrices are Programmable via PC to provide the User with complete operational flexibility. The TB6000 series includes a range of talkback panels and interfaces including 2-4 Wire convertes and Beltpacks.

Matrices employ the latest surface mount technology to optimise packing density and "cost per crosspoint" 8x8 and 16x16 matrices are housed in 1RU whilst the 32x32 versions occupies just 2RU of rack space. Each matrix port can be connected to any one of the terminal devices, talkback panels, beltpacks, cameras, etc.

Matrices are supplied with a default configuration, (defined at purchase) but via the serial port the user can later reprogram the configuration to meet changing requirements. Panel keys can be defined to control any crosspoint or group of crosspoints within the matrix.

### **Talkback Panels**

TP6008 and TP6024 are integrated Talkback Panels with loudspeaker and microphone together with 8 or 24 selector keys.

The AP6000 is a loudspeaker and microphone unit which can also be joined with the CP6032 (32 key selector panel) to form a 32 Talkback Panel.

### **Peripherals**

Belt Pack Unit, BP6000: wired beltapack unit with headset.

External line Interface EL6000: transformer isolated input for 2 external lines.

2/4 Wire Hybrid, HN6000: telephone/2 wire interface.

Line Combiner, CE6000: Combines up to six 4 Wire circuits into one port.

### **Second Matrix Access**

Adding an MT6000 card to a CP6032 enables a talkback panel to communicate with two Kroma talkback matrices.

## **T** OPOGRAPHICAL DESIGN

Each matrix crosspoint can be software configured in one of seven different ways:

- NORMAL (talk): Unidirectional routing from source to selected destination.
- 2 WAY (talk & listen): Bidirectional routing allowing 2 way communication between source and selected destination.
- FIXED: Permanent unidirectional routing from source to destination.
- STAND BY. Permanent unidirectional routing from source to destination with the ability to temporarily override this with another routing selected by an authorised source.
- REMOTE (talk): Unidirectional routing from source to destination selected from a third outstation.
- REMOTE (talk &listen): Bidirectional routing allowing 2 way communication between the source and destination, selected from a third outstation.
- LISTEN: Unidirectional routing selected from a destination.

Special Functions are also available:

- Tally: There are 16 different levels for the control of crosspoints from a Tally signal which is applied to individual outstations.
- Direct control: An interface unit allows the matrix to be controlled by contact closures external to the intercom system. Conversely it allows an outstation to control external devices via relay contacts. Up to 64 inputs and outputs can be acomodated in blocks of 16 within a 1 RU, 19" frame.
- Priority levels: Multiple audio control levels allow the setting of communication priorities to meet specific requirements. These priorities are programmable within the speech plan.
- Multiple calls: Multiple calls can be made from outstations in the TB6000 system using the  $\Sigma$  and  $S\Sigma$  keys in conjunction with the required destination keys. The multiple call configuration is held in the outstation memory for immediate use.

## Main Features

- 4 Wire operation
- Electronically balanced inputs and outputs
- Speech plan and priorities easily programmable with a Windows Software
- Multiple audio control levels
- Multiple audio panels
- Electronically latching or Hold-to-Talks keys
- LED status indication on switches

## OPTIONS

- Adjustable line input level panel
- Telephony line adaptor 2 to 4 wires
- Transformer balanced inputs and outputs
- Control of external equipment via relays
- Control of matrix by means of external contact closures

## TECHNICAL ESPECIFICATIONS

TM60XX Matrix

Input	Input/Output	Output	External Interface	Power Requirements	Power Consumption	Environmental	Mechanical data Dimensions Width (mm) Height (mm) Depth (mm)								
Nominal level: +6dBv Maximum level: +18dBv Impedance: >10 Kohms Common mode rejection: >65 dB	Gain: 0±1 dB Frequency response: 100 Hz to 10 KHz ± 0,5 dB Distortion: <0,1% 100 Hz to 10 KHz	Impedance: <150 ohms Signal/Noise Ratio: >65 dB Crosstalk: >65 dB	RS-232-C	120/240/VAC ±10% 50/60 HZ	< 20 VA (TM6008) < 30 VA (TM6016) < 50 VA (TM6032)	Temp. 0 a -40 °C Humidity up to 95%	<table border="0"> <tr> <td>TM6008</td> <td>TM6032</td> </tr> <tr> <td>TM6016</td> <td>483 (19")</td> </tr> <tr> <td>483 (19")</td> <td>88 (3,46")</td> </tr> <tr> <td>44,4 (1,75")</td> <td>385 (15,7")</td> </tr> </table>	TM6008	TM6032	TM6016	483 (19")	483 (19")	88 (3,46")	44,4 (1,75")	385 (15,7")
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Specifications are subject to change without prior notice



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