

# KROMATELECOM



## “DECT” WIRELESS INTERCOM SYSTEM WIRCOM TW7000

The KROMA TW7000 wireless intercom system utilises the DECT (Digital Enhanced Cordless Telephony) standard, which makes use of several advanced digital radio techniques to achieve efficient use of radio spectrum to deliver high speech quality and complete security. The system consists of a Base Station and Wireless Beltpacks. The base station can be fitted with up to 4 fixed modules (modular Matrix of 4x4) for connection to portable modules (belt packs), each having up to four independent communication links.

It can be directly integrated with other Intercom Systems such as Indico TB7000 (Kroma Digital Intercom System), and TB6000 (Kroma Analog Intercom System), or as a stand-alone system without any connection to other external matrices.

A large number of subscribers can be allocated in order to increase the number of belt packs in the system or its connection with other base stations. Since the system is based on the GAP protocol it is possible to communicate with other subscribers using other standard DECT belt packs, with use of its numerical keyboard.

Each fixed module of the base station is able to link with up to 5 belt packs, and in turn, each belt pack is able to link with up to 4 fixed modules, which allows the system to connection to other belt packs on a “call waiting” basis.

Remote configuration, control, and status monitoring of the system is done through an Ethernet network connection, with a web browser set to the IP address of the base station. This also allows configuration of crosspoints through the software of the connected matrix.

The Belt pack has four keys to select crosspoints. These display the channel state, and are configured by the user. The Belt pack has front panel indicator LED's that show the battery condition, and state of coverage.

A passive antenna is integrated inside the equipment. Coverage of 300 meters in open spaces (TV Studios and OB Vans) and 30 meters through material structures that screen RF transmission (concrete walls).

The system operates TDMA, with frequencies in the range 1880,064 Mhz to 1898,208 Mhz, and guard bands of 1,728 Mhz. Modulation is standard GFSK with BxT=0.5 and m=288 KHz, Frequency Offset of +/- 50 KHz.

The base station is powered by an external mains operated power supply of +15V, with an option for redundant power supply. The Belt pack is powered by two batteries of +1.2V/ 1800mA, type AA, with an average operating time of 16 hours of use. The complete time of recharge is 3 hours.

The base station weight is 3.2 Kg and requires 3RU of a 19" rack, with front or aerial positioning. The belt pack weight is 400gr. With the following external dimensions: 8cm. Width x 11.5 cm. Height x 3cm. Depth

Specifications are subject to change without prior notice.

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