

TW7100 Wireless beltpack

The TW7100 is KROMA's basic wireless beltpack. It is based on state-of-the-art technologies for audio communications such as Voice-over-IP (VoIP) codecs and WiFi networks.

The beltpack connects to a WiFi network, in which the user may move freely* to send and receive audio from the rest of the talkback system.

Its solid design makes it suitable for both studios and OBVans.

*Max. distance to access point 120-150m. Additional access points may be added to increase the area of coverage



TW7100's compact design (top) and front view (bottom)

Voice-over-IP + WiFi = Wireless audio

Voice-over-IP (VoIP) codecs, has allowed the transmission of an audio signal over IP-based networks with a low demand of bandwidth, while keeping high quality standards in the transmitted audio.

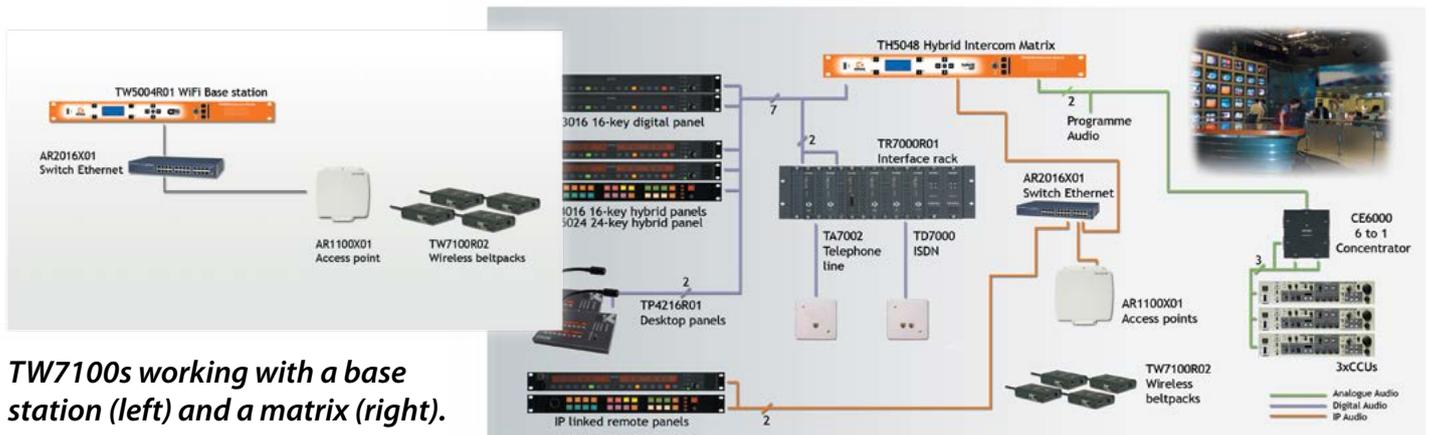
This technique, along with the possibility of using the WiFi standard to establish a wireless local area network (WLAN), is the basis of KROMA's wireless intercom.

Independent audios

The WLAN is capable of transmitting several simultaneous audio sources through the same frequency.

Each beltpack behaves indeed as an independent device in the network, so, if necessary, it may receive a different audio than the rest of the beltpacks of the network, as well as the audio produced in the beltpack may be independent from the rest.

It is also possible to group some of the audios transmitted or received by the different units, working in a similar way to a party line. It all depends on the crosspoints configured either in the hybrid matrix or the base station; the possibilities are virtually endless.



TW7100s working with a base station (left) and a matrix (right).

Ordering info

Beltpack	
TW7100R02	IP wireless beltpack
Headsets	
MC7000X03	One-ear headset with mic.
MC7000X06	Two-ear headset with mic.
MC7000X08	Beyerdynamic closed two-ear headset with mic.
MC7000X07	Ear plug (no microphone)

Technical specifications

Net connection	IEEE 802.11b Freq. 2.4Ghz. 11Mbps, 16dBm (WiFi) Proprietary codec based on G711, 66 Kbps
Headset	6 pins mini-XLR
Power consumption	Max 2W
Power supply	Battery 7.4V Ion-Lithium
Battery life	6 hours of continuous use
Dimensions and weight	80 x 333 x 115 mm. 390 g