

Innovative Industrial Solutions



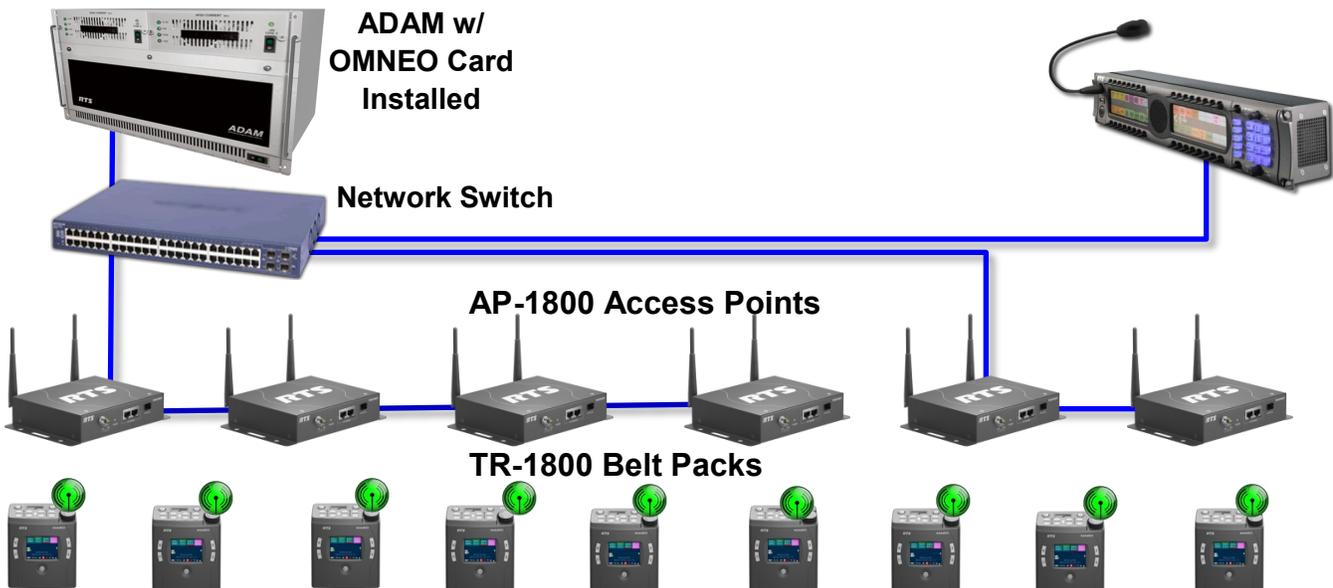
I.I.S.

ROAMEO wireless intercom



ROAMEO wireless intercom system combines user-friendly operation and seamless communication in large areas

- Fully integrated into all digital RTS matrices (via Omneo Card) the wireless solution allows users to address either individuals or specified groups
- Uninterrupted, high-quality and **license-free** audio based on DECT (Digital Enhanced Cordless Telecommunications) standard allows integration of a large number of simultaneous users across wide areas (up to 10 Belt packs Per Access Point, Max 60 Belt packs per System for a total of max 6 Access Points per System)
- ROAMEO brings most advanced professional-grade long-distance wireless communications to RTS intercom systems
- User-friendly, intuitive operation ensured by icon-based setup and buttons with tactile feedback



Innovative Industrial Solutions, Inc.

2830 Skyline Drive Russellville, AR 72802

Phone (479) 968-4266

Fax (479) 890-9072

www.i-i-s.net



I.I.S.

ROAMEO wireless intercom

The AP-1800 access points convert the DECT signals into Dante-compatible OMNEO IP-technology, thereby providing the highest interoperability, flexibility, reliability and resilience – a truly future-proof solution. OMNEO enables a secure setup at a competitively low system cost due to the use of standard IT components, simplified installation and lower maintenance costs.



AP-1800 Access Point

DECT (Digital Enhanced Cordless Telecommunications) is a digital wireless radio technology for voice data applications that originated in Europe. It is a worldwide established standard used primarily in home and small office systems, but also available in many private branch exchange (PBX) systems for medium and large businesses using multiple base stations for coverage. This sophisticated technology features high voice quality and supports seamless handover when switching cells. The frequency band that is reserved for voice transmissions, is called Unlicensed Personal Communications Services. These channels are reserved exclusively for voice communication applications, which is why DECT is future-proof and operates clearly even in common congested domestic radio traffic situations, and is immune to interference.

Innovative Industrial Solutions, Inc.

2830 Skyline Drive Russellville, AR 72802

Phone (479) 968-4266

Fax (479) 890-9072

www.i-i-s.net

Innovative Industrial Solutions



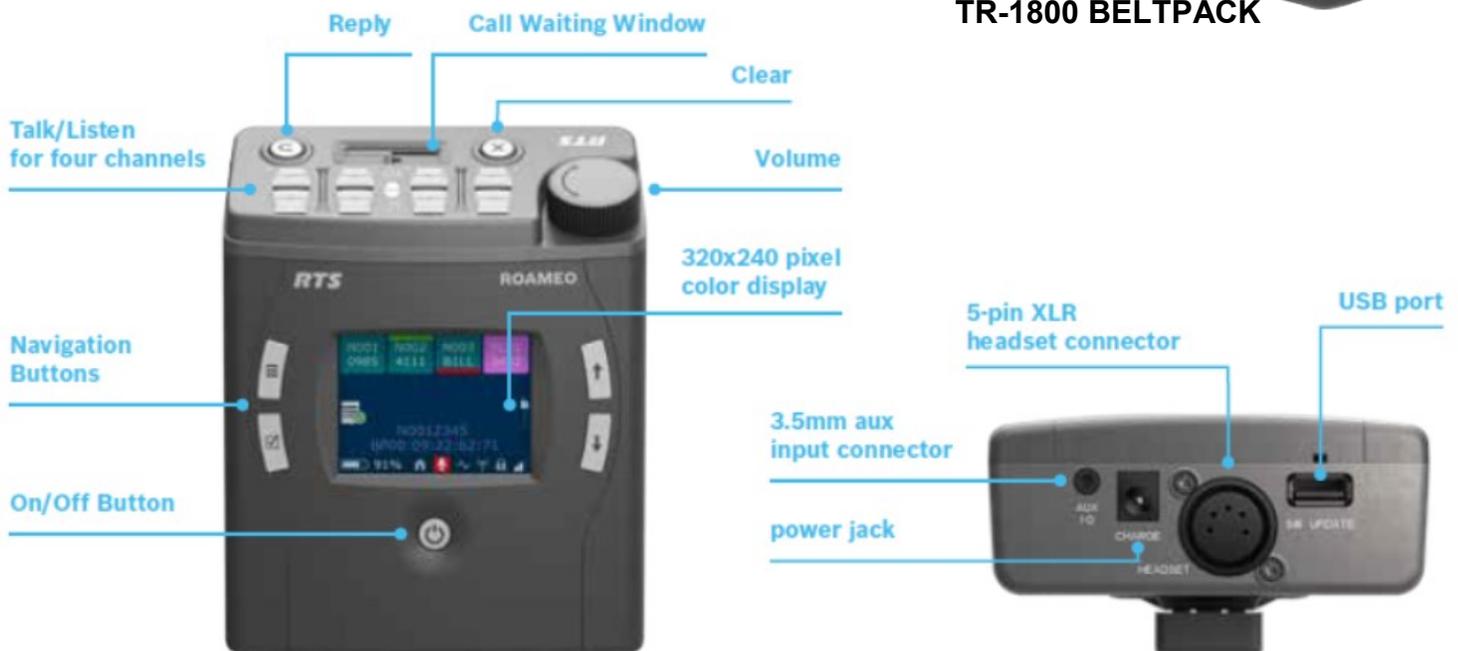
I.I.S.

ROAMEO wireless intercom

The system can be easily configured in a multi-language set-up via scroll lists on the TR-1800 belt packs or using the control software AZ edit, which allows users to configure the complete intercom system on one screen. It's large color LED-display and intuitive icon-based menu structure is easy to set up and operate. The four talk/listen buttons are shaped differently and provide users with a tactile feedback; the operation of the device is thus possible also in low light conditions and without the need to look at it. With its lightweight, durable housing, the belt pack features the smallest enclosure in its class and is protected against dust and light rain. Sophisticated circuits guarantee optimized sound performance using state-of-the-art echo cancellation algorithms. Both the belt pack and access point firmware are easy to update without disassembly. The software of the TR-1800 belt pack can be upgraded easily using a USB Flash Drive.



TR-1800 BELTPACK



Innovative Industrial Solutions, Inc.

2830 Skyline Drive Russellville, AR 72802

Phone (479) 968-4266

Fax (479) 890-9072

www.i-i-s.net

Innovative Industrial Solutions



I.I.S.

ROAMEO wireless intercom

AP-1800 WAP Specs

Antenna	Detachable, adjustable
Audio Bits	OMNEO
Battery Type	17 hrs
Characteristics	3dBi gain, omni-directional
Depth	1.54" (39 mm)
Depth (Shipping)	7.64" (194 mm)
Frequency Band	BP: 1880 - 1900 MHz (Europe), 1920-1930 MHz (North America) AP: 1880 - 1900 (Europe) MHz, 1920 - 1930 MHz (North America)
Frequency Response	300 - 7000 Hz (G.722), 300 - 3500 Hz (G.726)
Height	5.43" (138 mm)
Height (Shipping)	3.9" (99 mm)
IP-rating	Indoor only
Max APs/System	10
Mounting	Surface or pole (w. clamp)
Power	6.5W
RF Frequency Range	1880-1900 (EU), 1920-1930 (NA)
RF range, typical	50-75 m indoor, 150-200 m outdoor
RF Standard	DECT
User Capacity	5 Beltpacks (G.722) or 10 Beltpacks (G.726) per Access Point - Max 40 Beltpacks per System
Voice Codecs	G.722 (wideband) / G.726 (narrowband)
Voice latency (ms)	Approx 40 ms BP to BP; 30 ms BP
Voltage	12 V DC, external
Weight	15.52 oz (440 g) with antennas
Weight	429.9 lbs (195 kg)
Wireless Technology	DECT

TR-1800 Beltpack

Antenna	Dual, internal
Battery Life	17 hours
Call Waiting Window	Monochrome Characters
Depth	1.65" (42 mm) without clip
Depth (Shipping)	5.67" (144 mm)
Display Type	320x240 pixel color LCD
Frequency Response	300 - 7000 Hz (G.722), 300 - 3500 Hz (G.726)
Headsets	5-pin female XLR
Height	4.88" (124 mm)
Height (Shipping)	3.9" (99 mm)
IP-rating	IP-52
Keys	4x2 + reply and clear
Languages	10
Max BPs/AP	5 (G.722), 10 (G.726)
Max BPs/system	40
Menu keys	4
RF Frequency Range	1880-1900 (EU), 1920-1930 (NA)
RF range, typical	50-75 m indoor, 150-200 m outdoor
RF Standard	DECT
Roaming	Full, automatic
User Interface	Icons plus text
Voice Codecs	G.722 (wideband) / G.726 (narrowband)
Voice latency (ms)	Approx 40 ms BP to BP; 30 ms BP
Weight	12.31 oz (349 g) with clip and
Width	4.02" (102 mm)

Innovative Industrial Solutions, Inc.

2830 Skyline Drive Russellville, AR 72802

Phone (479) 968-4266

Fax (479) 890-9072

www.i-i-s.net