



Series 9900 Wireless Intercom System

Push-Back Gateway

Model U9920-GPB / 40993G-01

Data Sheet



U9920-GPB: Push-Back Gateway

DESCRIPTION

The Series 9900 Wireless Intercom System is the perfect solution for wireless intercom/radio communications in demanding environments and applications requiring rugged, secure and reliable communications in and around high-noise areas; ideal for push-back operations, wing-walkers, marshalling agents, maintenance mechanics or de-icing operations.

The U9920-GPB Push-Back Gateway is designed specifically for seamless integration with aircraft interphone systems. It acts as a relay for all intercom audio between multiple Wireless Belt Station/Headset users and the interphone system.

A single Gateway can accommodate up to four (4) connected wireless users at a time with hands-free, full-duplex intercom between a single work group, and Push-To-Talk (PTT) capability for communicating directly with the flight deck.

The U9920-GPB is powered by a Li-Polymer rechargeable battery, capable of 24 hrs of continual usage between charges, and removable from its water-tight compartment within the RF shielded, marine-grade enclosure.

FEATURES AND BENEFITS

- Hands-free, full-duplex intercom communication
- DECT 6.0 based technology, provides secure signaling, prevents unwanted interception and/or cross talk with other systems or work groups
- Accommodates up to four (4) wireless belt stations simultaneously connected with audio
- Controls include a power button for close-proximity linking, system volume control for proper overall system gain setting
- Aircraft interphone adapter cords required for flight deck communications (see below)
- High-visibility orange skin included for added impact protection (oil, water, UV resistant)
- "Remove Before Flight" warning banner and adjustable (3 to 6 feet) lanyard with nylon hook included
- Marine-grade, water-tight, impact-resistant enclosure for rugged durability and reliability
- Multiple Gateways able to function within same RF vicinity with no cross-talk
- Easy, seamless integration to aircraft interphone

TECHNICAL DATA

Frequency	1920 MHz - 1930 MHz
Average Power Output	4mW (100mW peak) in U.S.A.
Range	100 m (300') line-of-sight, typical
Carriers	5 each (1,728 kHz spacing)
Time Slots	2 x 12 (up and down stream)
Power Source	Li-Polymer rechargeable 3.7V cell, 2200mAh (battery not included)
Power Consumption/Current Draw	90mA, typical
Operating Temperature	-10°C - +45°C
Storage Temperature	-20°C - +60°C
Dimensions, Enclosure	4"H x 2-3/4" W x 2-1/2" D
Weight	10 oz/280g (with battery)
Aircraft Interface cords (required for flight-deck communications)	PN 41035G-02(PJ-051, type plug) PN 41035G-03(U-174/U, Civilian) PN 41035G-04(Dual G.A. Plugs) PN 41035G-05 (U-174/U, Military)

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