

DATASHEET

BWI900 Radio Gateway

FEATURES

- 3 Way Audio Bridge
- User Headset Support for RJ11 Plantronics or Benelec B4 Headsets
- Volume Control for User Headset
- Internal audio adjustments for various radio interfaces
- Dedicated PTT Button for Radio Network use with Indication LED
- Mechanical Support for BWI900 to securely clip on to 4 Hole Mounting Pattern
- Suitable for 12V and 24V vehicles
- Charges and Powers BWI900 radio via micro-USB
- Audio Port for Mobile radio or Radio console



Electrical Specifications

DC Input	10-36V
Micro-USB Out (BWI900)	5V 1A(max)
B4 termination	Audio port for BWI900
Radio Interface	4 Wire E & M
Headset Interface	RJ11 or B4 headset port for BWI900 headsets. CANNOT BE USED SIMULTANEOUSLY
Charging Interface	Micro-USB

APPLICATIONS

The Benelec BWI900 Radio Gateway allows the BWI900 family of Wireless Intercoms to be interfaced to external radio systems providing direct access to the radio network from the wireless intercom users. This system has been created to be integrated to any mobile radio via 4W E&M. Interface leads have been developed for the Benelec BLP6000 series P25 mobiles and Motorola APX series P25 mobiles, other models can be provided on request.

Mechanical Specifications

Weight	395 gram (without BWI900 & Mount)
Dimensions	120 h x 65 w x 40 d (mm)
Mount Support plate	AMPS Standard 4 Hole Mount
Supplied Mount	RAM Mount – GPSMAP 600

The gateway provides direct use for a single user and creates the interface to the Wireless Intercom users. The audio from the radio network is also fed into the Wireless Intercom group. Dedicated gateway firmware has been developed for the BWI900 radio allowing the user to optionally PTT across the radio system remotely. A typical use case is a mobile radio in a vehicle being accessed by up to 10 users in the field, each with the ability to hear and respond over the mobile radio remotely. Typical coverage between the BWI900 radios is around 1Km.

