

**960HP HANDSET**  
 mounted on  
**960PS PLINTH**



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The 960H series of communications handsets remains one of BISS Tech largest selling products. High reliability, contemporary styling, ease of use and simple installation, are the hallmark of this robust design. Thousands are in daily use throughout Europe, USA and the world.

The addition of the 960HP to the 960H handset range now provides a remote handset option for Motorola SMARTNET™ trunked networks or the ability to “fan-out” to multiple handsets from a single Motorola SMARTNET™ radio.

The 960HP comes with in-built speaker, conference microphone, intercom facility, power/busy LED and is desk or wall mountable. “Talk Permit” and “Busy” tones are broadcast to the user.

Connection via landlines or other equipment is possible using the standard BISS Tech 900 series communications peripherals. These will allow multiple handsets to be connected to a single radio. (See the reverse of this brochure for application details.)

If louder volume is required, the 960HP can mount on to the 960PS speaker plinth. This arrangement can be configured for hook-switch control or continuous monitoring.

For monitoring only purposes, the 960PE is available which allows for individual volume setting and “cross-muting”.

Connection to the transceiver requires only audio “in” and “out”, plus PTT and mute. No data connection is required.

**960HP Features:**

- Compatible with the BISS Tech range of 900 series interface units for connection to landlines, transceivers or the BISS Tech 950 radio management system.
- Robust time proven design.
- Cross-muting to other handsets on the system.
- External speaker connection available, (1watt).
- Conference microphone with PTT switch on the cradle.
- Individual trim pots for setting up earphone, handset microphone and conference microphone.
- Processor controlled to allow “Talk Permit” or “Busy” tones to user.

**960PS Features:**

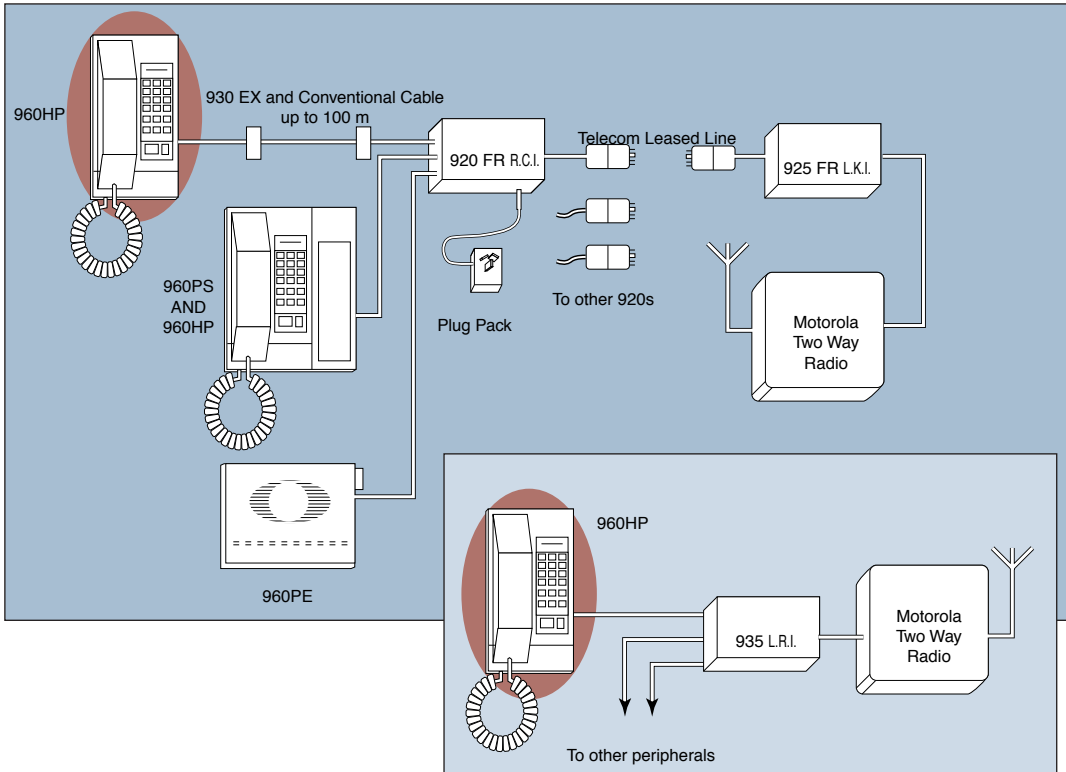
- Accepts 960HP handset.
- Provides higher output than the handset speaker.
- Can be configured to be switched off from the handset hook-switch or set up for continuous monitoring.

**960PE Features:**

- Connects directly to the BISS Tech 900 series interface boxes to monitor all traffic.
- Large speaker for high quality audio controlled from its own volume control.
- “Cross-muting” facility to mute the audio if any handset is lifted.

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## CONNECTIONS FOR THE 960HP HANDSET



## 960HP HANDSET SPECIFICATIONS

- Operating voltage: 11- 15Vdc.
- Operating current: 40mA standby, 130 mA full volume.
- Frequency response: 300 – 3000Hz (+/- 1.5dB ref 1000Hz).
- Signal to noise: better than 70dB.
- Distortion/power: Less than 5% at 0.5 watts at the speaker.
- External speaker: 1 watt into 8 ohms.
- Level adjustments: Volume control for internal speaker plus individual presets for earphone, handset microphone and conference microphone.
- Line levels to 920RCI or 935LRI: 1 V p-p, balanced.
- Dimensions (H x W x D): 75mm x 100mm x 210mm.

## 960PS SPEAKER PLINTH SPECIFICATIONS

- Frequency response: 300 to 3000 Hz (+/- 1.5db).
- Average audio output power: 0.5W.
- Distortion: Less than 0.5%.
- Signal to noise ratio: Handset dependant.
- Dimensions (L x W x H): 230 x 165 x 80mm.
- Weight (without handset): 960g.
- Operating temperature: 0 – 60 Deg C.
- Relative humidity: 0 – 95% non-condensing.

## 960PE EXTENSION SPEAKER

- Operating voltage: 11 – 15 Vdc, usually supplied via the 920 or 935 interface.
- Supply current: 30mA on standby, 300mA on full volume.
- Frequency response: 300 – 2400Hz (+/- 1.5db), via low pass filter.
- Average output power: 1.0W.
- Distortion: Less than 0.3%.
- Signal to noise ratio: Greater than 35db.

**Quality Assured**

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960HP Trunking Handset