BCC CONSOLE OVERVIEW

The Voiceboard Console (BCC) is a rugged Voice over IP (VoIP) networked radio, telephone and intercom communications console designed for operation in mobile platform and shelter environments.

The BCC console may be equipped with an intuitive LCD touch screen Graphical User Interface (GUI) or with a cursor driven interface suitable for use with gloved hands. Both interface options are designed for managing operator communications with multiple radio, telephone and intercom users located anywhere on the VoIP network.

The BCC operator may also conference or patch radio and telephone users, make Public Address announcements and simultaneously broadcast to multiple radios and user terminals over the IP network.

BCC consoles include a "softphone" that interoperates with industry standard SIP or H.323 computers, IP phones and IP network equipment.

The BCC user interface is software programmable, including 5 function keys, softphone features and GUI graphics. The BCC programmable function keys allow the operator to select a desired radio or intercom channel via a single push button key.

The BCC console supports a variety of headset, microphone and speaker interfaces with "hot mic" or PTT operation. The BCC is available in desktop or panel mount configurations and includes a built-in speaker and microphone. A companion headset jack box provides a convenient interface to a wide variety of headset types.

The BCC console GUI configuration and user access privileges may be programmed remotely over the IP network by the System Administrator. Personalized GUI screens and access rights to specific conference nets, intercoms or radios are loaded to each BCC upon operator log-in.

Pre-configured mission-specific GUI screens, function keys and user access privileges may be individually downloaded into each BCC over the IP network.

BCC-1 Console

BCC FEATURES LISTING

- Programmable GUI screens button and keys
- Selectable left-right binaural or monaural audio
- Multiple operator intercom channels
- SIP/H.323 interoperable "softphone"
- Push to talk (PTT) or "hot mic" operation
- Multi party "meet me" conferencing
- Radio and telephone call "patching"
- Simulcast "one-to-many" broadcast capability
- Power for ANR headsets and electret or condenser microphones
- Companion dual headset jack box
- Remote configuration and administration
- Personalized operator GUI screen configuration
- Low power 9-36 VDC or AC operation
- LCD display brightness control
- Internal microphone and speaker
- Water resistant IP65 (water stream) protection standards
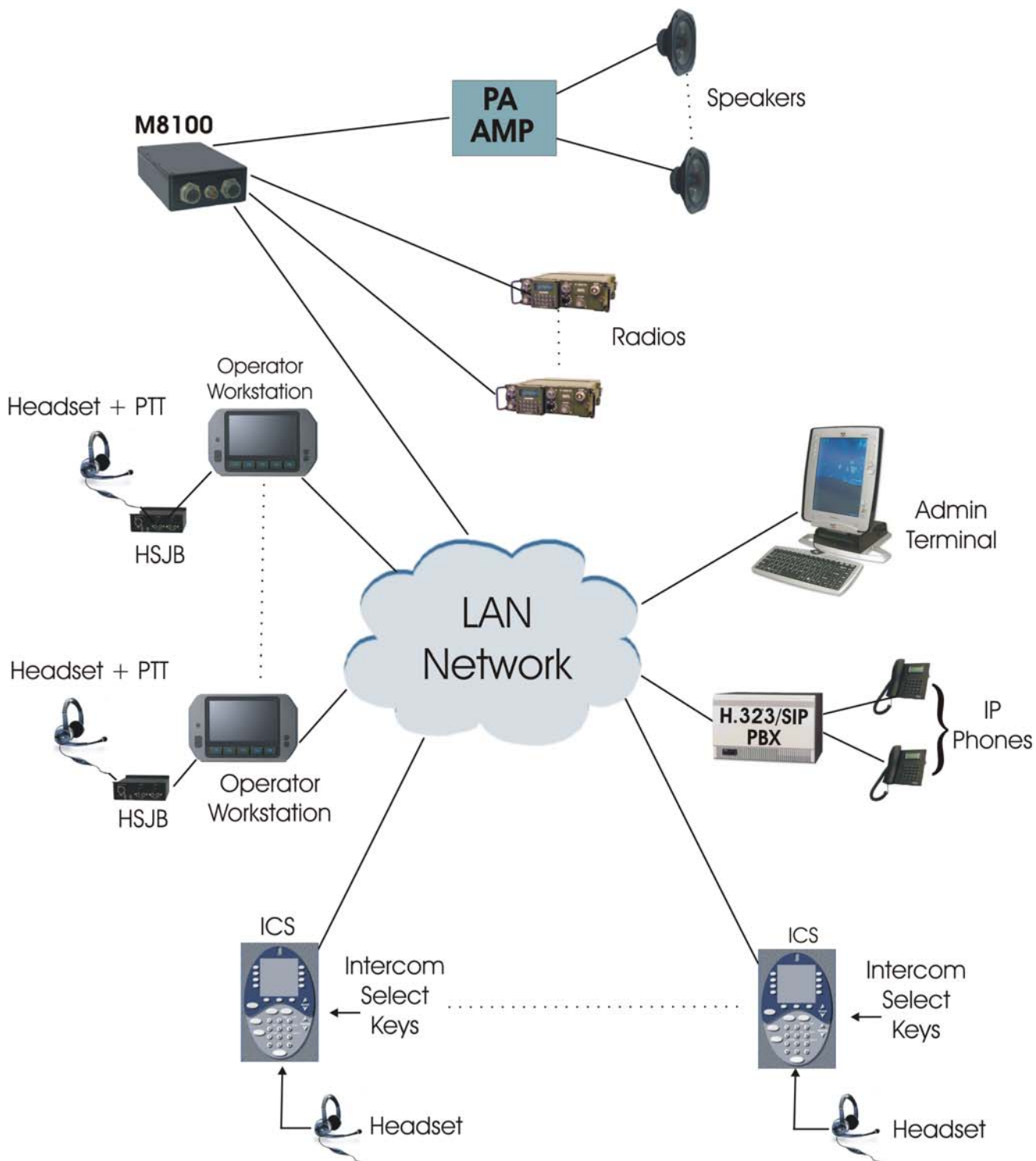
INTERFACE SPECIFICATIONS

AUDIO SIGNAL	SPECIFICATION
Microphone and Speaker	Built in 2W speaker and microphone.
Audio Bandwidth	Bandwidth 300Hz-3.3Khz, +/- 1db
VoIP	G.711 RTP with silence suppression
NETWORKING	**SPECIFICATION**
10/100bT Ethernet	IEEE STD 802.3 10/100bT Ethernet LAN.
HEADSET JACK BOX	**SPECIFICATION**
Headsets	Dual headset jacks, military U229/U connectors. Left – Right binaural audio separation. Dynamic microphone input. PTT switch input. Power for ANR headsets.
Volume Controls	Individual left and right side Volume controls
Internal Mic/Speaker Control	Internal microphone and speaker are automatically switched off when headset is plugged in.
Aux input	Aux input may be used to support Morse code key.

ORDERING INFORMATION

BCC COMMUNICATIONS CONSOLE	MODEL
Panel mount operator console	BCC-1PM
Desk top operator console with swivel mount	BCC-1
Under desk headset jack box	HIB-1M

BCC SPECIFICATIONS		
MODEL	**DIMENSIONS AND WEIGHT**	**POWER**
BCC-1	Dimensions WxHxD: 255 x 160 x 50 mm 10.04" x 6.30" x 1.97" Weight: 1.7 Kg., 3.75 lb.	9-36VDC or 110/220VAC @ 15 Watts

SPECIFICATION	PARAMETERS
Operating Temperature	-30 to +60 Degrees C; -24 to +140 Degrees F
Vibration	5 to 500 Hz 4.5G RMS random vibration
Shock	30 G peak acceleration, 11 msec. duration
Operating humidity	0 to 95% non-condensing
EMC/EMI	MIL-STD-461E
Reliability	75,000 Hours