



1.0 GENERAL DESCRIPTION

- 1.1 The unit supports VoIP and Audio over IP applications and bridges audio and contact closures over long distance LAN/WAN networks, unit IP Audio Interface from Code Blue Corporation, no substitutions. It extends and interfaces to non-network based traditional public address systems and allows for two-way communication with existing fire panels so they may be used as emergency endpoints. Control inputs and outputs can be used to set up an audio connection to start a remote call, but also to pass remote fault events to the Blue Alert System. Control inputs can be routed to control outputs for remote actions or to pass on fault information between audio transmitter and receiver in both directions.

2.0 CONSTRUCTION

- 2.1 The plastic enclosure is constructed from black ABS 94HB material. Dimensions are 2.34" H x 8.82" W x 10" L.
- 2.2 There are four mounting tabs constructed from .09" aluminum with .19" holes for mounting.
- 2.3 There is an eight-pin screw type modular plug for connection to the inputs and outputs of the IP Audio Interface.
- 2.4 There is one RJ-45 receptacle for PoE Power and connectivity to the unit.

3.0 FEATURES

- 3.1 IEEE 802.11 10/100 Ethernet Port
- 3.2 One auxiliary NO input contact closure
- 3.3 One Auxiliary NO output contact closure
- 3.4 600 ohm line level audio input and output
- 3.5 Power over Ethernet IEEE 802.3af
- 3.6 Codec Support: G.711 uLaw/aLaw, G.726 Fix payload, G.726 (16kbps), G.726 (24kbps), G.726 (32kbps), G.726 (40kbps), DV14 Narrowband, DV14 Wideband, G.729, G.722 HD.
- 3.7 Self-Monitoring and fault reporting
 - 3.7.1 Communication Service
 - 3.7.2 Contact toggle
 - 3.7.3 Script activation
- 3.8 Dual account registration for redundancy



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- 3.9 3MB memory storage for phone numbers and audio messages
- 3.10 Message playback options:
 - 3.10.1 Multiple and repeating options during call placed
 - 3.10.2 Multiple and repeating options during call received
 - 3.10.3 Message playback during a call via DTMF commands
- 3.11 SIP/IAX2 Protocol Support
- 3.12 In call commands via DTMF: Auxiliary output control and message playback.
- 3.13 STUN client for NAT transversal
- 3.14 Built in scripting language provides diagnostic report programming
- 3.15 Built with powerful DSP technology
- 3.16 Operational temperature: -40° to +70° Celsius (-40° to +150° Fahrenheit)
- 3.17 UDP, TCP and TLS
- 3.18 Embedded web server
- 3.19 Security Includes:
 - 3.19.1 HTTPS
 - 3.19.2 Transport Layer Security (TLS)
 - 3.19.3 SRTP (RFC3711), SIPS
 - 3.19.4 RTCP
 - 3.19.5 VLAN
 - 3.19.6 Password protection
- 3.20 DTMF inband/out of band /INFO
- 3.21 Non-volatile memory ensures programming is retained during power loss
- 3.22 Conformal coated PCB for environmental protection and operation
- 3.23 Corrosion resistant connectors

4.0 WARRANTY

- 4.1 The IP Audio Interface shall be warrantied against any defects, under normal use, for a period of two years.

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IP Audio Interface

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5.0 MANUFACTURER

- 5.1 The Manufacturer shall be Code Blue Corporation. 800-205-7186, 259 Hedcor Street, Holland, Michigan 49423. www.codeblue.com. THERE ARE NO EQUIVALENTS.

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