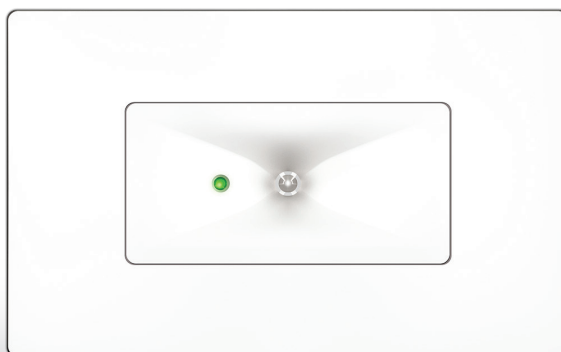
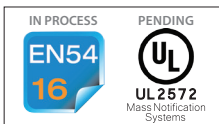




**DGL-MIC**

**NOISE SENSING AND HANDS-FREE INTERCOM MICROPHONE**

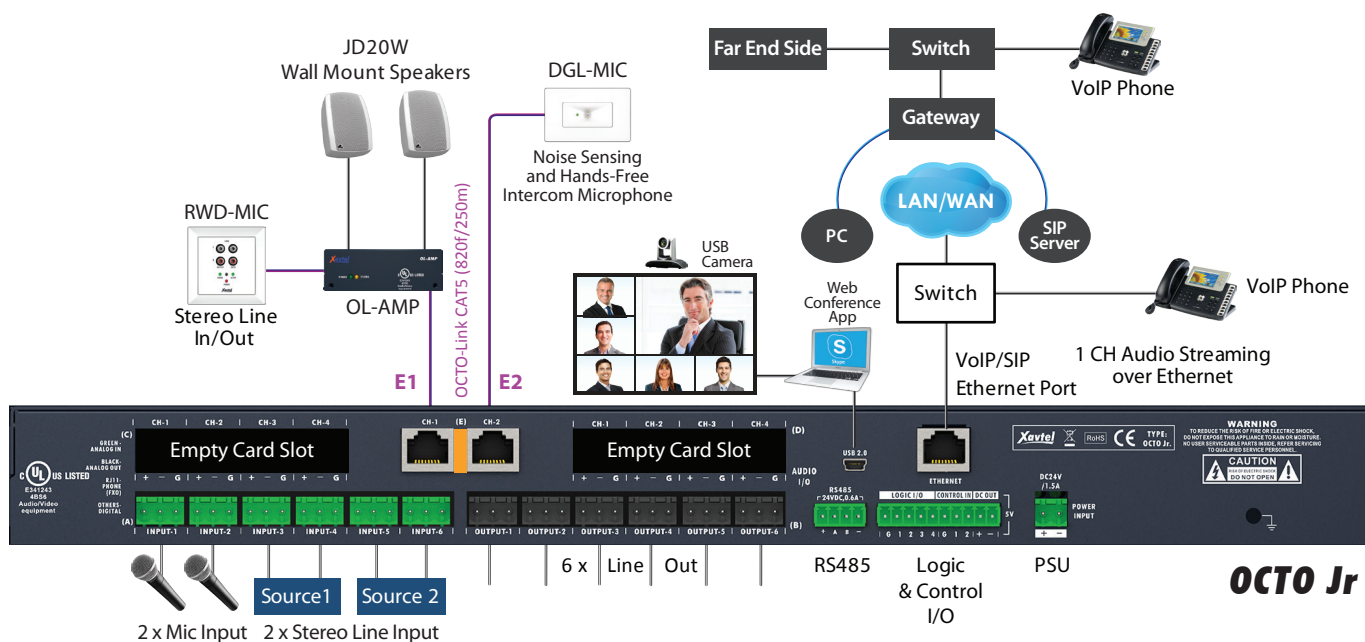


The DGL-MIC is an ultra sensitive flush-mount microphone, providing hands-free full duplex intercom for OCTO Jr audio system from XAVTEL; or it can act as a noise sensing microphone to detect the background noise and automatically adjust the speaker level for BOUTIQUE PA/VA system from ATEIS. The maximum communication cable length is 250m (820 ft.) via STP CAT5/6 cable with shielded RJ45 connector.

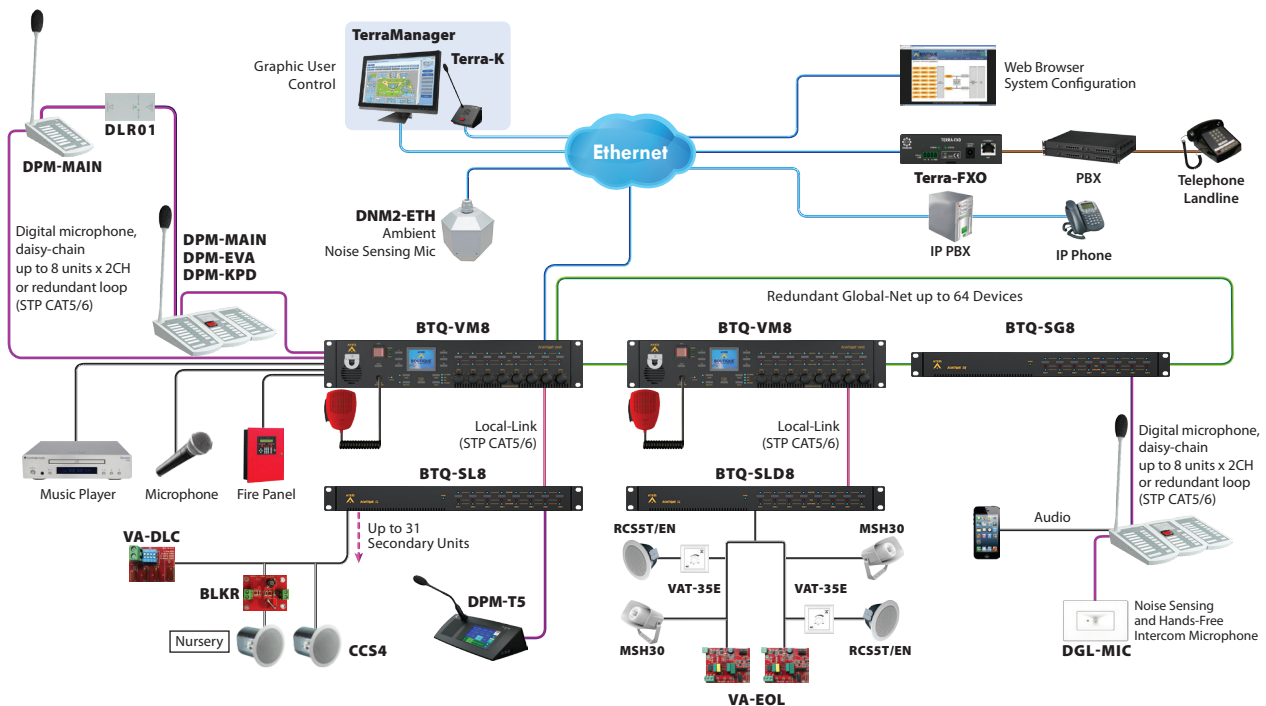
**FEATURES**

- STP CAT5/6 cable with shielded RJ45 connector for audio and control (250m max.)
- Control, monitor and management via web browser (BOUTIQUE system only)
- Ultra sensitive, omni-directional microphone
- Full duplex intercom with AEC, AGC and Noise Suppressor by connected to OCTO Jr processor
- Power & communication status LED on front panel

**DGL-MIC WORK WITH OCTO Jr HUDDLE ROOM APPLICATION**



DGL-MIC WORK WITH BOUTIQUE PA/VA SYSTEM



TECHNICAL SPECIFICATIONS

ELECTRICAL

- DC power input: 21 VDC ~ 29 VDC
- Max. power consumption: 2.4W

AUDIO CHARACTERISTICS

- Sampling rate: 48 kHz
- A/D-D/A bit resolution: 24 bit
- Frequency response: 50 ~ 16 kHz (±3 dB) @ 0 dBu
- SNR: > 90 dB
- Maximum SPL: 128 dBA @ 3m
- THD+N: < 0.07% @ 60 dB gain, -60 dBu (1 kHz) in
- Capsule sensitivity: -35 dBu/Pa @ 1 kHz
- Capsule type: Electret condenser
- Capsule directivity: Omni-directional
- Ambient noise measurement range: 55 dBA ~ 105 dBA

NETWORK

- Maximum distance: 250m (shielded RJ45 connector, STP CAT5/6)

CERTIFICATIONS AND APPROVALS

Europe	Voice Alarm	EN54-16 (In process)
Europe	CE/EMI	EN55032: 2015 AC: 2016 Class A (In process)
Europe	CE/EMS	EN61000-4-2 (ESD) (In process)
USA	Mass Notification Systems	UL2572 (Pending)
USA	Safety	UL60065 (Pending)

MECHANICAL & ENVIRONMENTAL

- Dimensions (W x H x D): 110 x 70 x 52 mm (4.3 x 2.6 x 2 inch)
- Weight: 0.1 kg (0.22 lbs)
- Colour: RAL 9016
- Operating temperature: -5 °C ~ +55 °C (+23 °F ~ +131 °F)
- Storage temperature: -40 °C ~ +70 °C (-40 °F ~ +158 °F)
- Relative humidity: 20% to 95%
- Air pressure: 600 to 1100 hPa
- Heat dissipation: 8 BTU/hr

ORDERING INFORMATION

- DGL-MIC: Digital Ceiling/Flush Mount Microphone