

# CD-8DF / CD-16DF



## WallMount Paging Mic Console, 8/16 key, EVAC Button

The CD-8DF/CD-16DF wallmount paging mic console with 8/16 keys and EVAC button is designed with an encased IP30 heavy-duty metal box with a lockable cover. The 8/16 keys can set to act as single or group zone selection, event triggering, recording, message playing button etc.. All the settings are configured via web browser. The Talk button can also be programmed for PTT (push-to-talk) or latching mode. In addition, it is equipped with a fireman microphone and an evacuation button.

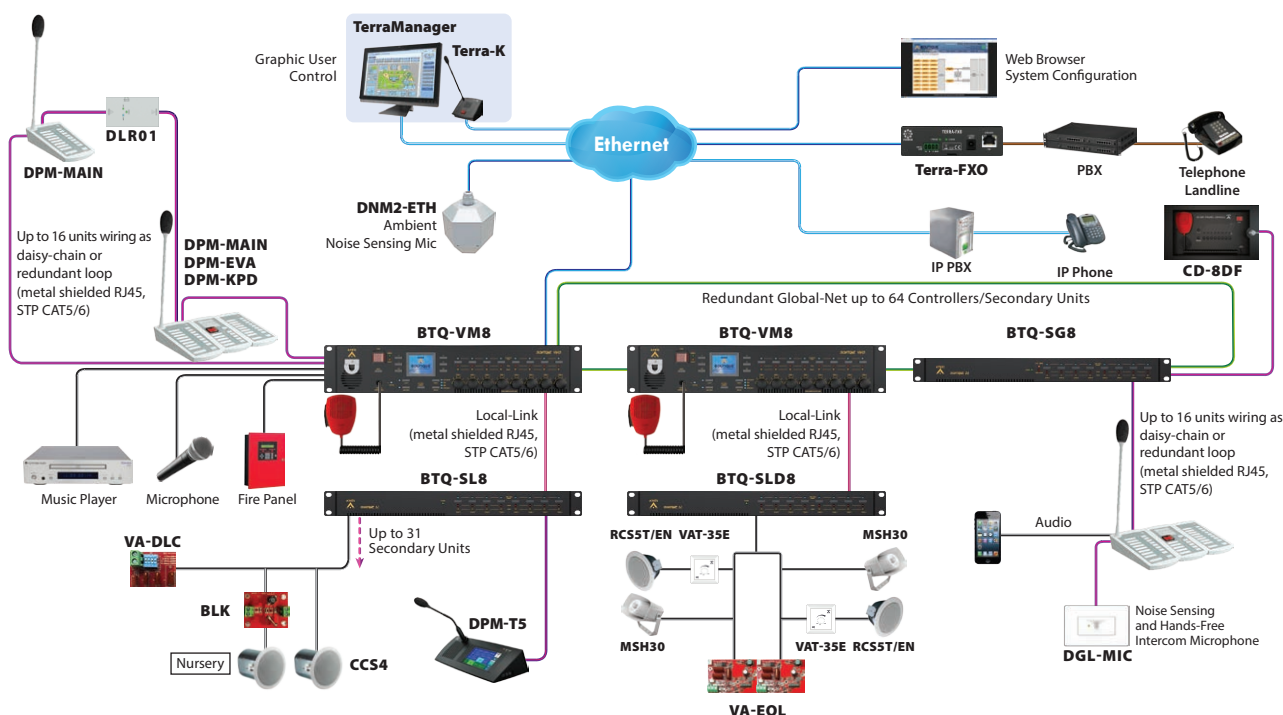
Up to 16 paging consoles can be connected to BTQ-SL8, and 32 on BTQ-VM4/VM8/SG8; the wiring can be daisy-chain or in redundant loop. The maximum communication cable length between the BTQ-VM/SL8/SG8 and CD-8DF/CD-16DF is 250M (820 ft.) via STP CAT5/6 cable with shielded RJ45 connector. The distance of cable length will directly affect the quantity and power requirement of CD-8DF/CD-16DF unit\*. The CD-8DF/CD-16DF is also an eco-friendly product with extremely low power consumption (<1.5W) during standby mode.

\* The distance of cable length will directly affect the quantity and power requirement of CD-8DF/CD-16DF unit.

1. The longer the cable is, the less power the BTQ-VM/SL8/SG8 can supply to the remote units.
2. The more the remote units has cascaded in daisy-chain/redundant loop, the less power the BTQ-VM/SL8/SG8 can supply to the remote units.

Therefore, if the cable length between the BTQ-VM and CD-8DF/CD-16DF is within 250m, the CD-8DF/CD-16DF can be powered by BTQ-VM. If the cable length is beyond 250m, please connect the DLR01 digital loop repeater and PSU65-27 27VDC power adapter, ensuring the control signal and power supply of CD-8DF/CD-16DF units are enough. To know the max. distance between BTQ-VM/SL8/SG8 and CD-8DF/CD-16DF unit(s) and the max. distance which the CD-8DF/CD-16DF can be powered by DLR01 unit, please see BOUTIQUE user manual for details.

## APPLICATION EXAMPLE



# CD-8DF / CD-16DF

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### FEATURES

- Wall-mount metal enclosure with lockable cover
- Up to 16 paging consoles can be connected to BTQ-SL8, and 32 on BTQ-VM4/VM8/SG8; the wiring can be daisy-chain or in redundant loop
- Control, management and monitor via web browser
- AGC (Automatic gain control) function

### CONTROLS AND INDICATORS

- Fireman microphone (push-to-talk)
- Monitoring loudspeaker
- 8/16 programmable buttons with individual status LED
- Evacuation button
- Talk button (push-to-talk or latch mode)
- Select/cancel all/reset evacuation button
- Status LED (power/busy/hold/press to talk/select cancel all)

### INTERCONNECTIONS

- Rear: 2 remote ports (metal shielded RJ45 connector, STP CAT5/6)

### CERTIFICATIONS AND APPROVALS

Europe	Voice Alarm	EN 54-16 (In process)
Europe	CE/EMI	EN 55032 (In process)
Europe	CE/EMC	EN 55020 IEC 61000-4-2 (In process)
Europe	CE/LVD	EN 60065 (In process)
USA	Safety	UL 60065 (Pending)

### ELECTRICAL

- DC power input: 21 VDC ~ 29 VDC
- Power consumption: CD-8DF/CD-16DF
  - Full power: 5W/6W
  - Standby mode: 1W/1.5W

### AUDIO CHARACTERISTICS

- A/D-D/A bit resolution: 24 bit
- Sampling rate: 48 kHz
- Frequency response: 20 Hz ~ 20 kHz ( $\pm 1$  dB) @ 0 dBu
- SNR: > 85 dB
- THD+N: < 0.2 % @ 26 dB gain, -26 dBu (1 kHz) in
- Max. speaker SPL: 90 dBA @ 3m
- Max. mic SPL: 105 dBA @ 3m

### NETWORK

- Max. remotes per BTQ-SL8: 16
  - Max. remotes per BTQ-VM4/VM8/SG8
    - Daisy-chain wiring
      - ♦ 16 CD-8DF/16DF units for 1 remote port
      - ♦ 32 CD-8DF/16DF units for 2 remote ports
    - Redundant loop: 16 CD-8DF/16DF units
  - Max. communication distance between BTQ-VM/SL8/SG8 and CD-8DF/CD-16DF: 250m (shielded RJ45 connector, STP CAT5/6)
- \* The distance of cable length will directly affect the quantity and power requirement of CD-8DF/CD-16DF unit.

### MECHANICAL

- Dimensions (W x H x D)
  - CD-8DF: 329 x 187 x 101 mm (13 x 7.4 x 4 inch)
  - CD-16DF: 349 x 241 x 101 mm (13.7 x 9.5 x 4 inch)
- Weight
  - CD-8DF: 3.4 kg (7.5 lbs)
  - CD-16DF: 4.1 kg (9 lbs)
- Colour: RAL 7016

### ENVIRONMENTAL

- 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
  - CD-8DF: 0.87 BTU/hr
  - CD-16DF: 0.89 BTU/hr

### ORDERING INFORMATION

- CD-8DF: WallMount Paging Mic Console,8 key,EVAC Button
- CD-16DF: WallMount Paging Mic Console,16 key,EVAC Button