



3M™ PELTOR™ ComTac XPI Headset

MT20H682FB-02, MT20H682FB-02 SV

Product description

The 3M™ PELTOR™ ComTac XPI Headset is designed to help reduce exposure to hazardous levels of noise, improve situational awareness and at the same time enable two-way radio communication in noisy environments. This product is compatible with other military gear e.g., helmet, protective vest etc.

Key Features:

- Hearing protection
- Level-dependent function for ambient listening
- “Plug and play”, no start up time
- Foldable headband for easy storage and transport
- Configuration menu with voice guide
- Functions: release time, balance, external mute mode, EQ mode
- Earplug mode (maintains situational awareness when used in combination with earplugs)
- SNR 39 dB when combined with earplugs
- Automatic power off after two hours if no function is used
- No software loads or outside power required, complete self-contained headset with power fail safe
- Tested according to parts of military standards MIL-STD-810G

Applications

3M™ PELTOR™ ComTac XPI Headset is designed to be used by infantry soldiers and emergency response units within law enforcement.

Standards and Approval:

PPE regulation 2016/425
RED directive 2014/53/EU
RoHS 2011/65/EU
MIL-STD-810G
EMC-MIL-STD-461F



(A:1) Foldable Headband, Leather

(A:2) Two-point fasteners

(A:3) Cup

(A:4) Battery lid

(A:5) Ear cushion PVC foil, PUR foam

(A:6) External input

(A:7) Microphone for level-dependent function for ambient listening

(A:8) 2 x AAA batteries



Models:

| Article number | Description | Legacy ID | 3M ID |
|------------------|-------------------------------------|-------------|------------|
| MT20H682FB-02 | ComTac XPI Foldable headband, green | XH001680905 | 7100020111 |
| MT20H682FB-02 SV | ComTac XPI Foldable headband, black | XH001680988 | 7100039831 |

Accessories and Spare parts

| | | | |
|------------|---|-------------|------------|
| 1079 SV/SP | Battery lid | UU004894315 | 7100088235 |
| M60/2 | Wind shield for attenuation mic | XH001652532 | 7000039650 |
| HY68 SV | Hygiene kit (attenuation cushions & foam) | XH001654461 | 7000108023 |
| HY80-EU | Hygiene kit with Gel ring | UU003133988 | 7100101182 |



MT20H682FB-02 SV

Technical data specifications

Technical data specifications

| | |
|-------------------------------|--|
| Power: | 2 x AAA 1.2-1.5V batteries |
| Operating time: | ~ 200h (battery & temperature dependent) |
| Net Weight: | 335g (inc. batteries) |
| Colour: | Green, Black |
| Operating temperature: | -40 °C to +55 °C (battery dependent) |
| Storage Temperature: | -50 °C to +70 °C |

Attenuation Values

MT20H682FB-*1

| | | | | | | | |
|--|------|------|------|------|------|------|------|
| Frequency (Hz) ² | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| Mean Attenuation (dB) ³ | 11.5 | 17.9 | 27.8 | 30.0 | 32.1 | 36.2 | 40.3 |
| Standard Deviation (dB) ⁴ | 2.5 | 2.7 | 1.8 | 2.3 | 3.0 | 2.0 | 3.1 |
| Assumed Protection Value (dB) ⁵ | 9.0 | 15.3 | 25.9 | 27.7 | 29.1 | 34.2 | 37.2 |

SNR=28 dB H=31 dB M=25 dB L=16 dB

MT20H682FB* + EAR Classic

| | | | | | | | |
|--|------|------|------|------|------|------|------|
| Frequency (Hz) ² | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| Mean Attenuation (dB) ³ | 35.5 | 40.8 | 51.4 | 44.7 | 37.0 | 48.1 | 44.8 |
| Standard Deviation (dB) ⁴ | 5.8 | 5.0 | 6.6 | 4.8 | 3.6 | 4.9 | 4.8 |
| Assumed Protection Value (dB) ⁵ | 29.7 | 35.8 | 44.9 | 40.0 | 33.5 | 43.1 | 40.0 |

SNR=39 dB H=36 dB M=38 dB L=36 dB

MT20H682FB* + Gel ring

| | | | | | | | |
|--|------|------|------|------|------|------|------|
| Frequency (Hz) ² | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| Mean Attenuation (dB) ³ | 15.5 | 18.2 | 26.2 | 32.2 | 30.4 | 29.3 | 36.7 |
| Standard Deviation (dB) ⁴ | 3.4 | 3.0 | 2.2 | 2.5 | 3.7 | 3.7 | 4.0 |
| Assumed Protection Value (dB) ⁵ | 11.7 | 15.2 | 24.0 | 29.7 | 26.7 | 25.6 | 32.7 |

SNR=27 dB H=27 dB M=25 dB L=18 dB

In the Box:

1 x ComTac XPI
1 x User manual
2 x AAA batteries



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The warranty does not cover any damage caused by neglected maintenance or careless handling.
For more information on maintenance, please see the user instruction.
For complete warranty condition, contact your dealer or local 3M office

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