

3M™ Peltor™ Technical Datasheet



PELTOR™

3M™ Peltor™ ComTac™ XP Headset

MT17H682**_**

Product description

The 3M™ Peltor™ ComTac™ XP 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.

Key Features:

- Designed for comfortable use with a ballistic helmet
- Hearing protection
- Detachable microphone
- Level dependent function for situational awareness
- Easy to use and operate, “plug and play”, no start up time
- Foldable for easy storage and transport
- Configuration menu (hidden)
- Functions: release time, balance, external mute mode, EQ mode, plug mode (maintains situational awareness when used in combination with earplugs)
- SNR 40 dB when combined with earplugs
- Automatic switch off after two hours if no function is used
- No software loads or outside power required, complete self-contained headset with power fail safe
 - Combat Proven
- Tested to military standards

- (A:1) Headband wire
- (A:2) Headband
- (A:3) Headband padding
- (A:4) Microphone for level dep. function
- (A:5) Battery cover
- (A:6) On/off and volume +/- control
- (A:7) Speech microphone
- (A:8) 2 x AAA batteries



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Applications

Peltor ComTac XP is designed to be used by infantry soldiers and emergency response units within law enforcement.

Standards and Approval:

PPE directive 89/686/EEC
EMC directive 89/336/EEC
MIL-STD-810F
EMC-MIL-STD-461F

In the Box:

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

Versions:

“NATO wired” J11 versions, for use with adapter*:

| Description | | Article no | EANUPC | Colour |
|------------------|------------------------------|-------------|---------------|-------------|
| MT17H682FB-86 | J11, headband | XH001678107 | 7318640055957 | Olive Green |
| MT17H682FB-86 SV | J11, headband | XH001678115 | 7318640055964 | Black |
| MT17H682BB-86 | J11, Neckband | XH001678123 | 7318640055971 | Olive Green |
| MT17H682BB-86 SV | J11, Neckband | XH001678131 | 7318640055988 | Black |
| MT17H682P3AD-86 | J11, helmet att OPS-core | XH001678222 | 7318640056060 | Olive Green |
| MT17H682FB-87 | J11, headband,goose neck mic | XH001678149 | 7318640055995 | Olive Green |
| MT17H682FB-87 SV | J11, headband,goose neck mic | XH001678156 | 7318640056008 | Black |
| MT17H682FB-19B | J11, headband, dual comm. | XH001674064 | 7318640052222 | Olive Green |

Direct lead bone conduction mic . versions*:

| Description | | Article no | EAN/UPC | Colour |
|------------------|-------------------------------------|-------------|---------------|-------------|
| MT17H682FB-69 | Marconi PRR ,bone conduction mic | XH001660634 | 7318640048553 | Olive Green |
| MT17H682FB-T5187 | Motorola GP328, bone conduction mic | XH001660659 | 7318640049529 | Olive Green |
| MT17H682FB-72 | Harris 7800, bone conduction mic | | | |

* Modern military communication radios can have different configurations depending on how it is programmed. Users are advised to connect headset to actual radio and configuration being used, in order to test functions and features before purchase.

Accessories and Spare parts:

| Description | | Art no | EAN |
|-------------|--|-------------|---------------|
| 1079 SV | Battery lid | 11003065544 | 93045933242 |
| HY68 | Hygine Kit (attenuation cushions & foam) | XH001652482 | 7318640025615 |
| HY68-02 | Hygine Kit (attenuation cushions & foam) for bone mic headsets | XH001667639 | 7318640049048 |
| MT7N | Microphone, dynamic | XL001634044 | 7318640061484 |
| MT21E | Goose neck dynamic mic | XL001650263 | |
| MT90-02 | Throat mic, dynamic | XL001644068 | 4046719397938 |
| MT90-03 | Throat mic, electrets | XL001644076 | 4046719397914 |



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Technical Data Specifications:

Power: Battery Type: 2 x AAA 1,2-1,5V batteries
Operating time: ~ 500h (battery & temperature dependent)
Net Weight: 335g (inc. batteries)
Operating temperature: -40 °C to +55 °C (battery dependent)
Storage Temperature: -50 °C to +70 °C

Attenuation

MT17H682FB**_**

| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|----|------|------|------|------|------|------|------|
| Mean attenuation (dB) | | 11.5 | 17.9 | 27.8 | 30.0 | 32.1 | 36.2 | 40.3 |
| Std deviation (dB) | | 2.5 | 2.7 | 1.8 | 2.3 | 3.0 | 2.0 | 3.1 |
| Assumed Protection Value (dB) | | 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

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