

3M™ PELTOR™ Technical Datasheet



PELTOR™

3M™ PELTOR™ ComTac XPI Headset

MT20H682FB-*, MT20H682BB-*

Product description

The 3M™ PELTOR™ ComTac XPI 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 like helmet, protective vest etc.

Key Features:

- Hearing protection
- Detachable microphone
- 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 military standards



- (A:1) Foldable Headband, Leather
- (A:2) Two-point fasteners
- (A:3) Cup
- (A:4) Battery lid
- (A:5) Speech microphone input
- (A:6) Ear cushion PVC foil, PUR foam
- (A:7) External input cable
- (A:8) Microphone for level-dependent function for ambient listening
- (A:9) 2 x AAA batteries



A:9

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Applications

Peltor ComTac XPI 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 2004/108/EC
MIL-STD-810F
EMC-MIL-STD-461F

In the Box:

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

* 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	3M art. no.	EAN
1079 SV Battery lid	11003065544	93045933242
HY68 SV Hygiene kit (attenuation cushions & foam)	XH001654461	7318640041172
HY68-02 Hygiene kit (attenuation cushions & foam) for bone mic headsets	XH001667639	7318640049048
MT7N Microphone, dynamic	XL001634044	7318640061484
MT31E/1 Goose neck dynamic mic	UU001501863	7318640064102
MT90-02 Throat mic, dynamic	XL001644068	4046719397938

Versions:

Description	Colour	Type of headband	Type of microphone
MT20H682FB-02 ComTac XPI	Green	Foldable headband	
MT20H682FB-02 SV ComTac XPI	Black	Foldable headband	
MT20H682FB-33 ComTac XPI	Green	Foldable headband	MT7N, dynamic
MT20H682FB-38 ComTac XPI	Green	Foldable headband	MT7N, dynamic
MT20H682FB-38 SV ComTac XPI	Black	Foldable headband	MT7N, dynamic
MT20H682BB-38 SV ComTac XPI	Black	Neckband	MT7N, dynamic
MT20H682BB-38 ComTac XPI	Green	Neckband	MT7N, dynamic
MT20H682P3AD-38 ComTac XPI	Green	Helmet Attachment	MT7N, dynamic
MT20H682P3AD-38 SV ComTac XPI	Black	Helmet Attachment	MT7N, dynamic
MT20H682FB-68 ComTac XPI	Green	Foldable headband	MT31E, Goose neck dynamic
MT20H682FB-68 SV ComTac XPI	Black	Foldable headband	MT31E, Goose neck dynamic
MT20H682FB-69 ComTac XPI, Selex	Green	Foldable headband	Boneconducted microphone
MT20H682FB-86 ComTac XPI, NATO	Green	Foldable headband	MT7N, dynamic
MT20H682BB-86 ComTac XPI, NATO	Green	Neckband	MT7N, dynamic
MT20H682P3AD-86 ComTac XPI, NATO	Green	Helmet Attachment	MT7N, dynamic
MT20H682FB-86 ComTac XPI, NATO	Green	Foldable headband	MT7N, dynamic
MT20H682FB-87 ComTac XPI, NATO	Green	Foldable headband	MT31E, Goose neck dynamic
MT20H682FB-88 ComTac XPI, Stereo	Green	Foldable headband	MT7N, dynamic
MT20H682FB-89 ComTac XPI, Selex	Green	Foldable headband	MT31E, Goose neck dynamic
MT20H682FB-19B ComTac XPI, dual leads	Green	Foldable headband	MT31E, Goose neck dynamic



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Please recycle. Printed in Sweden.

Technical Data Specifications:

Power: Battery Type: 2 x AAA 1.2-1.5V batteries
Operating time: ~ 200h (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 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

MT20H682BB-*¹

Frequency (Hz) ²	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB) ³	16.6	16.8	27.4	32.1	33.1	33.0	36.1
Standard Deviation (dB) ⁴	1.8	2.3	2.2	2.1	3.2	2.9	3.2
Assumed Protection Value (dB) ⁵	14.8	14.5	25.2	30.0	29.9	30.1	32.9

SNR=28 dB H=31 dB M=25 dB L=18 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

Important Notice:

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Warranty:

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.