

3M[™] Peltor[™] ORA Tac

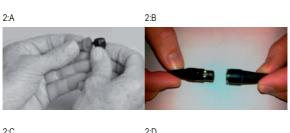


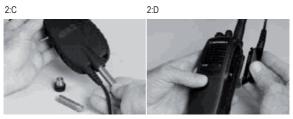


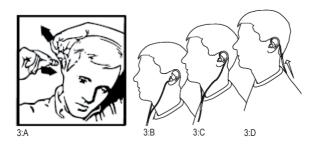












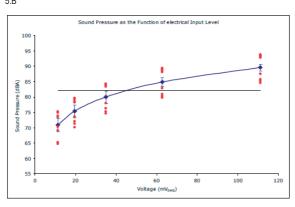
5:A

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	27,9	28,1	24,1	24,6	29,5	31,8	32,7
Std deviation (dB)	4,1	4,9	3,2	2,9	3,9	7,0	4,9
Assumed Protection Value (dB)	23,8	23,2	20,9	21,7	25,6	24,8	27,8

1) Weight 235g

SNR=25db H=25db M=23db L=22 db

5:B



5:C

Criterion Levels				
MT10FL10©©©	H= 109 dB(A) M= 108 dB(A) L= 108 dB(A)			

1. What is What & Basic Operations

1:A ON/OFF

To turn the ORA TAC unit on or off, press and hold the "+" or "-" button for at least 3 seconds

1:B PTT - (Push-To-Talk)

To transmit, press either PTT switch while talking

1:C +/- Volume Controls

Talk -Through Volume

- To increase volume press the "+" button
- To decrease volume press the "-" button

NOTE: The radio listening level is controlled by the radio volume control.

1:D Battery Compartment

BATTERY SAVE MODE:

Auto Turnoff starts after 2 hours of non-active use.

A warning signal is emitted one minute prior to shut-off.

Pressing the "+" or "-" button will reset the two hour timer

1:E Connection plug for communication radio

1:F In-Ear Headset

In-Ear headset with electret microphone

An ambient microphone in each ear for listening to the external environment safely Two internal speakers for listening to received audio

2. Assembly

Unpack the ORA TAC Carton, verify the following items are present:

- ORA TAC
- Two AAA batteries
- Eartips
- 2:A Attach eartips to the earbuds
- 2:B Attach the radio cable to the ORA TAC (To disconnect, press the small button and pull apart.)
- 2:C Install two AAA batteries as shown, insert positive ends first
- 2:D Connect completed assembly to the radio

3. Fitting and adjustment

Inserting the earplugs

The earplugs should be inserted in the ears according to the R/L (right/left) markings on the assembly.

Earplugs should be clean before fitting.

INSERT rounded tip into ear canal WHILE PULLING ear outward & upward with opposite hand.

See illustration 3:A

ADJUST for best noise reduction.

CHECK FIT after inserting plug:

PULL plug stem gently. Plug should not come out of the ear easily. If it does,

remove plug & repeat fitting.

LISTEN to steady loud noise with plugs in both ears. Cover ears with tightly cupped hands. Noise should sound about the same whether or not ears are covered.

If you cannot obtain a good fit, try a different type of hearing protector.

CAUTION: For greater comfort and safety, remove plug slowly with twisting motion to gradually break the seal.

Cable routing options

The headset includes a cable slide to allow alternate methods of routing the cables based on user preference:

- 3:B Straight Down
- 3:C Over the ear in front
- 3:D Over the ear in back

4. Important user information

WARNING!

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to hazardous noise may result in hearing loss or injury. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing earplugs. Failure to do so may result in hearing loss or injury.

Incorrectly inserted batteries can damage the electronics. Never replace the batteries with the unit switched on. Make sure the + and - poles are in the correct position before switching the unit on. Replace the batteries when interference increases or the volume becomes too weak.

Remove the batteries when storing the hearing protector for extended periods of time. Check the functioning of the unit after replacing the batteries.

IMPORTANT!: Always make sure that the volume on the com radio, intercom system or other connected equipment is set to a low level before inserting the plugs into your ears. Adjust the volume to a comfortable level afterwards.

- The hearing protector must be worn, adjusted, cleaned and maintained in accordance with this manual.
- The hearing protector features level dependent. Check that this feature works before using the unit. If distortion or flaws are discovered, consult the instructions for maintenance and battery replacement.
- Always wear the hearing protector at all times during exposure to hazardous noise
- Certain chemical substances may damage this product.
 Contact the manufacturer for more information.
- The hearing protector is fitted with an electric audio input.
 Check correct operation before using the unit. If distortion or failure are discovered, consult the manufacturer's instructions.
- If sound distortion increases or the volume becomes too weak, it is time to charge
 or replace the batteries. Never replace or insert batteries with the unit switched on.
 Ensure that the batteries are correctly aligned before using the product.
- · Store product without the batteries.
- · Under extremely cold conditions, warm the hearing protector before using.
- The wearer should ensure that the ear plugs are regularly inspected for serviceability.
- The audibility of warning signals at a specific workplace may be impaired while using the entertainment facility.
- · The performance may deteriorate with battery usage.

Note: If these recommendations are not followed, attenuation may be adversely affected leading to hearing impairment.

WARNING!

The output from the level dependent circuit of the hearing protector may exceed the daily limit sound level

WARNING!

Performance may deteriorate with battery usage. The typical period of continues use that can be expected from the product is 400 hours

WARNING!

These ear plugs should not be used where there is a risk that the connecting cord could be caught up during use.

WARNING

If these recommendations of use, storage and maintenance described in this user instruction are not adhered, the protection afforded by the ear plugs will be severely impaired.

5. Technical Data

5:A Attenuation values, SNR

The nominal range of diamters of the ear plugs are 8-12 mm

The attenuation values are tested and approved according to PPE directive 89/686/ EEC and applicable sections of standard EN 352-2:2002 and EN 352-7:2002 Certificate issued by FIOH, Topeliuksenkatu 41, FI-00250 Helsinki, Finland, ID#0403.

Explanation of the attenuation data tables:

- 1. Weight
- 2. Frequency (Hz)
- 3. Average attenuation (dB)
- 4. Standard deviation (dB)
- Expected attenuation (dB)

5:B Input signal level/usage time for audio input

Electrical audio input of the earplugs was measured in accordance with in-housemethod derived from those described in standard EN 352-6:2002

Maximum permitted audio signal in relation to usage time.

To prevent harmful effects on hearing, the input signal should not exceed the specified values (average speech sound level). The long-term average value of the earphone volume is measured at a level corresponding to no more than 82 dB(A) sound level. Electrical input level for which the mean plus one standard deviation A-weighted diffuse-field related sound pressure level is equal to 82 dB is at RMS-voltage U = 29 mV.

5:C Criterion levels (G)

A criterion level is the amount of noise (measured as A-weighted sound pressure) outside the hearing protector that gives 85 dB(A) inside. The noise level depends on the type of noise. H is high-frequency dominated noise, M is noise that is not dominated by any given frequency, and L is low-frequency dominated noise.

5:D Battery type

2 X AAA 1.2-1.5V

5:E Battery life: ~ 400h (5% talk, 5% listen, 90% On time)

The expected battery life may vary depending on the brand of batteries and the temperature in which the product is used. A Low-Battery condition will generate 3 beeps that repeats every 10 seconds until the batteries are replaced.

5:F Storage & Operating Temperature

 Operating Temp:
 -32°C to +55°C

 Storage Temp:
 -32C° to +63°C

 Storage humidity:
 < 85%</td>

 Shelf life
 < 5 years</td>

5:G

The Peltor Ora Tac meets the requirements of the EMC directive 2004/108/EC and has been tested in accordance with applicable parts of standards: EN 61000-4-2, EN 61000-4-3,, EN 61000-4-8, EN 61000-6-4

6. Maintenance, Cleaning and disposal

This product is covered by the WEEE directive 2002/96/EC and is recyclable.

Dispose the product in accordance with national regulation.

Use local recycling system for electronic products.

EARPLUG TIPS:

- Keep the earplug openings free of earwax and debris
- · Wash plugs with mild soap and warm water as needed
- · Look for tears or cracks under any of the three flanges
- · Replace if necessary

7. Spare Parts and Accessories

Connection Cables

Product code Cor	nmunication radio
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TAA13-T0299 ICOM F31/F41

FL6U-35 ICOM IC-F3GS, GT51/61 F4GS, GT etc with angled connector FL6U-31 ICOM IC-F3S, F4S, IC-E90, LPD06,PMR06 (with straight connector)

TAA19-T0299 ICOM F34/F44

FL6U-36 Kenwood 260/270, 360/370 LPD, TH22E PMR etc

FL6U-21 Motorola GP300, CPO40

FL6U-32 Motorola GP640, 680,1280, 320, 340, 360, 380

FL6U-61 Motorola Visar 3,5 mm, GP344/388 via Motorola adapter plug

AL3CB-T0299 Motorola GP900

TAA20-T0299 Motorola GP344/GP388, GP328+ /GP338 + Motorola TETRA MTH800/MTP850 FL6U-32

TAA22-T0299 Vertex VX160/400

FL6U-31 Zodiac PA2099/PA1599/PA5499/ PA5500/P2400 + various LPD/PMR

FL6U-58 Sepura SRP 2000 / SPM 3*000

FL6U-63 Motorola Mototrbo

Eartips

Art no **Eartip** XXXXXX Ultrafit Eartip

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Australia

3M Australia Pty Limited950 Pacific Highway, Pvmble.N.S.W. 2073

Pymble, N.S.W. 207 +61 1800 024 464

Austria

3M Österreich GmbHBrunner Feldstraße 632380 Perchtoldsdorf +43 1 86686 0

Azerbaijan 3M (East) AG "BRIDGE Plaza" 4th floor, 12 Bakikhanov streetBaku AZ 1065 +994 12 404 5050

Relarus

3M Belarus Representation Office Mogilevskaya str 18, office 4220007 Minsk +375 172 22 97 90

Relaium

3M Belgium N.V. / S.A. Hermeslaan 71831 Diegem +32 2 722 53 10

Bulgaria

33M Bulgaria Representation Office 1715 Sofia, Mladost 4Business Park, sgrada 4 +359 2 960 19 11

Croatia

3M Croatia Representation Office Predstavništvo, Žitnjak bbHRA 10000 Zagreb +385 1 2499 750

Czech Republic

3M Česko, spol. s r. o.BB Centrum, Vyskočilova 1140 00 Praha 4 +420 261 380 111

Denmark

3M a/s Fabriksparken 15DK-2600 Glostrup +45 43480100

Egypt

3M Egypt Trading Ltd. Sofitel Tower, 19th Floor, Corniche el-Nil St.Maadi, Cairo +202 525 9007

Estonia

3M Eesti filial Mustamäe tee 410621 Tallinn +372 6 115 900

Finland

Suomen 3M Oy PL 90, Lars Sonckin kaari 602601 Espoo +358 9 52 521

France 3M France

Bd de l'Oise95006 Cergy Pontoise Cedex

+33 1 30 31 65 96

Germany

3M Deutschland GmbH Carl-Schurz-Str. 141453 Neuss +49 2131 14 26 04

Great Britain

3M United Kingdom PLC3M Centre, Cain Road Bracknell, RG12 8HT +44 870 60 800 60

Greece

3M Hellas Limited Κηφισίας 20151 25 Μαρούσι, Αθήνα-Μαρούσι +30 210 68 85 300

Hungary

3M Hungária Kft.Váci út 140H-1138 Budapest +36 1 270 7777

Ireland

Ireland 3M Ireland3M House, Adelphi Centre, Upper Georges StreetDun Loaghaire, Co. Dublin +353 1 800 320 500

Israe

ישראל בע"מ 3M רח' מדינת היהודם 461201490 956 9 972+

Italy

3M Italia S.p.A. Via San Bovio 3, Loc. San Felice20090 Segrate (MI) +39 2 70351

Kazakhstan

3M Kazakhstan Representation Office 140 Dostyk Av., 3-rd floor 050051 Almaty +7 3272 374 737

Latvia

3M pārstāvniecība LatvijāK. Ulmaņa gatve 5LV-1004 Rīga +371 7 066 120

Lithuania

3M atstovybėŠvitrigailos g. 11bLT-03228, Vilnius, Lietuva +370 5 216 07 80

Morocco

3M MoroccoLa Colline II,N°33, Rdc, Résidence Les AlizésRoute de Nouasser-Sidi Maarouf, Casablanca +212 22 977 952

Netherlands

3M Nederland B.V. Industrieweg 242482 NW Zoeterwoude +31 71 5450365

New Zealand

3M New Zealand Limited250 Archers Road, GlenfieldAuckland, NZ +64 800 364 357

Norway

3M Norge A/S, Avd. Verneprodukter,Postboks 100, Hvamveien 6, 2026 Skjetten+47 63 84 75 00

Pakistan

3M Pakistan (PVT) Ltd. Islamic Chamber of Commerce Building ST-2/A, Block 9, KDA Scheme 5, Clifton-Karachi 75600 + 92 21 111 2255 36

Poland 3M Poland Sp.

Swirroland Sp. 2 o.o.Aleja Katowicka 117, Kajetany K. Warszawy 05-830 Nadarzyn +48 22 739 60 00

Portugal

3M Portugal, LdaRua do Conde de Redondo 981169-009 Lisboa

+351 21 313 45 00

Romania

3M România Bucharest Business Park, Str. Menuetului 12, cladirea D, et.3, 013713 Bucharest +40 21 2028000

Russia

RUZAO "3M Russia" Krylatsky Hills Business Park Krylatskaya st., 17, bldg. 3121614, Moscow

+7 495 784 74 74

Serbia

3M Representation Office Beograd Milutina Milankovica 2311070 Novi Beograd +381 11 3018459

Slovakia

3M Slovakia Representation Office Obchodné zastupiteľstvoVainorská 142. 831 04 Bratislava +421 2 49 105 211

Slovenia

3M (East) AG Podružnica v LjubljaniCesta v Gorice 8, SI-1000 Ljubljana +386 1 2003 630

South Africa 3M South Africa 146a Kelvin Drive, Woodmead Sandton 2128. Johannesburg +27 11 806 2230

Spain

3M España, S.A.Juan Ignacio Luca de Tena 19-25. 28027 Madrid +34 91 3216143

Sweden 3M Svenska AB Bollstanäsvägen 3 191 89 Sollentuna +46 8 92 21 00

Switzerland

3M (Schweiz) AG Eggstrasse 93, Postfach 8803 Rüschlikon +41 1 724 92 21

Turkey

3M Sanayi ve Ticaret A.Ş., TürkiyeNispetiye Cad. Akmerkez, Blok 3, Kat: 5/6 Etiler 80600 Istanbul +90 212 350 77 77

Ukraine

3M Ukraine30-B, Fizkultury St., Business center"Farenheit", 3rd floor, Kyiv, 03680, +380 44 490 57 77

United Arab Emirates

3M Gulf Ltd P.O. Box 20191 Building 11, Third Floor, Dubai Internet City, Deira



C+HC Computer + Headset Company GmbH Die Headset Spezialisten

Borsteler Chaussee 49 | 22453 Hamburg | Tel.: (040) 500 580 20 **www.comhead.de**

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