TP3 PORTABLE RADIOS
SMART DMR | DMR | ANALOG

Great value, easily personalized radio

Preface

Please read before using this product catalog.

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Scope:

This product catalog outlines the Tait TP3000 product range.
Custom product and non-standard equipment is not listed. Please contact your Tait representative if you require information on any product not listed within this book.

Product Status:

Every care has been taken to assure that the products meet the respective regulatory requirements. However, Tait does not warrant that all products meet specific country requirements.
If you have any questions regarding product suitability please contact your Tait representative.

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All sales and quotations for Tait products and services are subject to the current version of the Tait Standard Terms and Conditions for Supply. For a copy of the Terms and Conditions please contact your Tait representative

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Update and Changes:

The information within the product catalog is subject to change without notice and shall not form part of any contract. This information is issued for guidance purposes only. Please note that not all frequency bands and power outputs are available in all markets.

IP67 Dust/Waterproof

GPS, Man Down, Bluetooth, Vibration

Tier II and Analog

DMR

Customizable Labeling

Economical

$

THE TP3 IS A GREAT VALUE, HIGHLY FLEXIBLE PORTABLE RADIO. CHOOSE YOUR RADIO TYPE, KEY AND COLOR OPTIONS, SAFETY FEATURES, AND PERSONALIZE WITH LABELS.

Keypad Variants & Colored Displays

Colored Covers

Contents

See this catalog

See the Portable Radio Accessories Catalog

Two Types of Radio

The TP3 is available in two types of radio and three keypad options in eight colours, to suit the operational needs and budget of any organization.

CHOOSE A RADIO

TP3300
DMR Tier 2

0 KEY   **4 KEY**   **16 KEY**

TP3350
DMR Tier 2
Smart Options

0 KEY   **4 KEY**   **16 KEY**

CHOOSE A COLOR
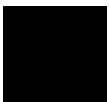
 Black

 Orange

 Gray

 Green

 White

 Red

 Yellow

 Pink

FIND THE ITEM CODE

 PRODUCT NUMBER
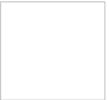
Great Value

Tait DMR is a highly reliable, modern, digital radio solution. Tait have extended this family to lower the entry level with a number of new models, brands and versions.

High Flexibility

Communication needs change, and the TP3 changes with you. The TP3300 and TP3350 can be modified at any point when the need arises. Simply order any color covers you need, keyed or blank (p. 11), and have your existing ones replaced to create a new radio.

0 KEY

4 KEY

16 KEY

TP3300

Flexible DMR Tier 2 and Analog portable radio

The TP3300 offers access to digital radio features:

- ► **Dual Mode DMR Tier 2 and Analog.**
- ► IP67 Dust and Waterproof.
- ► Available with 0, 4 or 16 key keypad.
- ► High resolution color screen options.
- ► Power-up display can be customized to show your logo, radio ID, assigned owner, or any other image (4 Key and 16 Key models only).
- ► Voice annunciation.
- ► 3-5 function keys. 0 key radios include F1 on the top and F2, F3 on the left side. 4 key and 16 key radios also include F4 and F5 on the front.
- ► Audio accessory connector compatible with the Tait accessory range.
- ► Frequency bands: 136-174MHz, 400-480MHz, 450-520MHz.
- ► Interchangeable face plates – change both keypad and color.
- ► Easy labeling for personalization.
- ► Selcall Signaling.
- ► CTCSS & DCS.
- ► 2-Tone & 5-Tone.
- ► MDC & DTMF.
- ► ANI.
- ► Dual Slot Direct Mode.

0 KEY

4 KEY

16 KEY

TP3350

DMR Tier 2, Analog, advanced worker safety and smart options

The TP3350 takes full advantage of digital radio technology:

► **Bluetooth® 4.0 connectivity for audio, data transfer and programming.**

► **GPS built in, for location services, tracking and billing.**

► **Man-down sensor. A sensitive 3D accelerometer to detect radio motion and tilt, used to provide data for the Man-down alarm.**

► **Vibration alert. Rather than using audible beeps, subtle vibrations can be used to alert you to calls.**

► IP67 Dust and Waterproof.

► Available with 0, 4 or 16 key keypad.

► High resolution color screen options.

► Power-up display can be customized to show your logo, radio ID, assigned owner, or any other image (4 Key and 16 Key models only).

► Voice annunciation.

► 3-5 function keys. 0 key radios include F1 on the top and F2, F3 on the left side. 4 key and 16 key radios also include F4 and F5 on the front.

► Audio accessory connector compatible with the Tait accessory range.

► Frequency bands: 136-174MHz, 400-480MHz, 450-520MHz.

► Interchangeable face plates – change both keypad and color.

► Easy labeling for personalization.

► Selcall Signaling.

► CTCSS & DCS.

► 2-Tone & 5-Tone.

► MDC & DTMF.

► ANI.

► Dual Slot Direct Mode.

Select me

COMPARE FEATURES OF THE TWO DISTINCT VERSIONS OF TP3

Radio selector	TP3300	TP3350
DMR Tier 2	●	●
Analog FM	●	●
0 Key, 4 Key, 16 Key Versions	●	●
1.77" Color Display Option	●	●
Voice Annunciation	●	●
Interchangeable Front Covers	●	●
Customizable Color Labeling	●	●
IP67 Dust and Waterproof	●	●
Calling Party Identifier	●	●
Supplied with Battery and Antenna (two Antennas for VHF)	●	●
Supplied with Charger and Multi-National Plug Pack	●	●
Supplied with Belt clip	●	●
Dual Slot Direct Mode	●	●
ARC4 Encryption	●	●
Radio Monitor, Stun and Revive	●	●
6.25kHz Channel Equivalence	●	●
Bluetooth[®]		●
GPS		●
Man-down		●
Vibration Alert		●

Key me

THE TP3 OFFERS THREE KEYPAD OPTIONS. WHILE THE DISPLAY AND KEYPAD SELECTION DOES NOT CHANGE THE BASIC FUNCTION OF THE RADIO, IT WILL MAKE IT POSSIBLE TO USE MORE CHANNELS, READ, TYPE, AND EDIT MESSAGES, ETC. COVERS AND KEYPADS CAN BE UPGRADED AFTER PURCHASE.

0 Key, No Display

The simple, cost effective, low power consumption option. Access 32 channels, voice annunciation, 3 function keys for checking the battery level or sending pre-programmed messages, such as status updates. Extra space saved by not having a screen or keypad allows for this option to feature a larger, louder speaker.

4 Key, Color Display

As above, but with incoming messaging, full menu access for smarter control and setup, see who is calling (ANI), 5 function keys, easier user control and notifications.

16 Key, Color Display

As above, but with full keypad. Send fully customized messages, select channels by typing the channel numbers, greater flexibility and freedom of operation.

Keypad Selector	0-Key	4-Key	16-Key
Larger, Louder Speaker	●		
PTT – Left Side	●	●	●
F1 Key – Top	●	●	●
F2, F3 Keys – Left Side	●	●	●
F4, F5 Keys – Front		●	●
Menu and Selection Keys – Front		●	●
0-9, * and # Keys			●
1.77" Color TFT Display		●	●
Channels	**32**	**2000**	**2000**
Send Pre-programmed Messages	●	●	●
Receive Messages		●	●
Create and Edit Custom Messages			●

color me

Face Plate Color Options

| Black | Orange | Green | Gray | White | Red | Yellow | Pink |

► Available for 0 key, 4 key, and 16 key options

► Customize color face plates and keypad options to meet users' needs.

► Black is the lowest cost option.

► Use Hi-Vis colors (Orange, Green, Yellow, Pink) for outdoor use.

► Use different colors to identify talk groups or teams.

► Use custom colors to match company branding.

► Use colors to identify radios with access rights, levels of encryption, broadcast rights, etc.

Buy me

There are four ways to purchase a TP3

1 **Black, 0 Key Radios**
- ▶ Simply ordering black, 0 Key radios is the easiest, fastest, lowest cost option.
- ▶ Tait will supply all base radio models in black.
- ▶ The 0 Key black model is base unit from which all others can be built.

2 **Dealer Assembled**
- ▶ The dealer can maintain stock of 0 Key radios in black, and customize these to meet individual users' needs.
- ▶ With stock of colored keypads, in 0, 4 and 16 key versions, the dealer can quickly assemble the radio in any configuration required.
- ▶ This is fast, flexible and very cost effective.
- ▶ Offers a great range of choices and fast supply to the end user
- ▶ See *Spare Covers* section on page 12.

3 **Tait Assembled**
- ▶ Easy mass-customization
- ▶ For larger orders, Tait can do the customization, and supply stock to order.
- ▶ Tait will fit and pressure test the radios, easing burden on the dealer.
- ▶ See *Tait Assembled* section on page 11.

4 **Factory Assembled**
- ▶ Radios are ordered direct from our factory
- ▶ Easy for large orders, flexible, lower cost.
- ▶ Slower with minimum order quantity of 500

Package me

What's in the Box?

Every TP3 comes packed with the following:

► Black, 0 Key Radio
► Antenna (two for VHF)
► Battery (space for three batteries)
► Belt Clip
► Safety and Compliance documents

Black 0 Key Radio Packages	TP3300 DMR, Analog	TP3350 DMR, Analog, GPS, Bluetooth® 4.0
VHF 136-174 MHz	**TP3300-B1**	**TP3350-B1**
UHF1 400-480 MHz	**TP3300-HG**	**TP3350-HG**
UHF2 450-520 MHz	**TP3300-H7**	**TP3350-H7**

The transition from the TP3300 to TP3350 is not a software upgrade. Radios purchased in one model are not upgradable to the higher models. The selection of 0, 4 or 16 key and selection of color is upgradable once purchased.

Cover me

Tait Assembled

Covers ordered with radios will be fitted prior to shipping.

► There are eight colors to choose from.
► Upgrade Black, 0 Key radios to a 1.77" TFT Color Display.
► Add a keypad with 4 or 16 keys.
► Covers are fitted and tested prior to shipping

Color	0 Key	4 Key	16 Key
Black	Default Cover	TP3000-A04T	TP3000-A16T
Orange	TP3000-B00T	TP3000-B04T	TP3000-B16T
Green	TP3000-C00T	TP3000-C04T	TP3000-C16T
Gray	TP3000-D00T	TP3000-D04T	TP3000-D16T
White	TP3000-E00T	TP3000-E04T	TP3000-E16T
Red	TP3000-F00T	TP3000-F04T	TP3000-F16T
Yellow	TP3000-G00T	TP3000-G04T	TP3000-G16T
Pink	TP3000-H00T	TP3000-H04T	TP3000-H16T

Cover me

Spare Covers

Radio Covers can be changed easily by an authorized dealer.

► There are eight colors to choose from.
► Upgrade black, 0 Key radios to a 1.77" TFT Color Display.
► Add a keypad with 4 or 16 keys.
► When covers are changed, a quick pressure test is performed to ensure the integrity of the water seals.
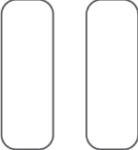
Color	0 Key	4 Key	16 Key
Black	Default Cover	TP3000-A04T-S	TP3000-A16T-S
Orange	TP3000-B00T-S	TP3000-B04T-S	TP3000-B16T-S
Green	TP3000-C00T-S	TP3000-C04T-S	TP3000-C16T-S
Gray	TP3000-D00T-S	TP3000-D04T-S	TP3000-D16T-S
White	TP3000-E00T-S	TP3000-E04T-S	TP3000-E16T-S
Red	TP3000-F00T-S	TP3000-F04T-S	TP3000-F16T-S
Yellow	TP3000-G00T-S	TP3000-G04T-S	TP3000-G16T-S
Pink	TP3000-H00T-S	TP3000-H04T-S	TP3000-H16T-S

Label me

Personalize with labels

The TP3 features up to three label recesses for professional and durable use of labels to personalize your radios.

Front Label	Side Labels	Rear Label	Packing Label
Fits on 0 and 4 key only.	Fits on all TP3 radios.	Fits on all TP3 radios. Same size as TP9300/9400 front label, ideal for mixed fleets.	Apply to packaging.
W 43.58mm, H 18.41mm	W 9.47mm, H 27.52mm	W 30mm, H 6.54mm	W 24.06mm, H 27.52mm

Print me

Label Stock

These labels are BS5609 approved (GHS) when printed in the Epson TM-C3500 Label Printer.

► **Chemical Resistant:** Tested resistant to chemicals (e.g. heptane, HCL 37%, pH3 buffer).
► **Abrasion Resistant:** Tested resistance to abrasion. Passes BS5609 Section 3.
► **Temperature resistant:** Apply at minimum 10°F (-12°C). Adhesive service temperature -20°F to 220°F (-28°C to 104°C).
► **Waterproof:** Passes BS5609 Section 2, 90-day sea water submersion adhesion test.
► **UV Resistant:** 2 years outdoor UV life.
► **Tear Resistant:** Durable synthetic label material resists tearing.

Die cut labels. Roll of 500 label sets		T03-00364-AAAA

Epson ColorWorks TM-C3500 Label Printer

► Tait recommends using this printer with the label stock. Labels die cut for the TP3 are specifically designed for this printer.
► This is a high quality four color ink jet printer. It uses individual ink cartridges for efficient use of each ink.
► The inks used are pigment based, not dye based – making the printed labels smudge resistant and liquid resistant.
► The printer has both USB and Ethernet interfaces. It will handle both fan-fold and roll based media.
► Tait will be able to advise where to purchase the printer. It is available globally from any reasonable commercial labelling business, as well as from eBay, Amazon and other reputable online stores

Design me

Label Design Templates

Templates are available to design labels for the TP3, or alternatively, Tait can offer a custom label design service.

Do-it-yourself Label Design:

► You will need the Epson ColorWorks TM-C3500 label printer and label stock.
► Templates are available in the following formats:
  • .ai (Illustrator)
  • .psd (Photoshop)
  • .svg (Inkscape)
  • .pdf
  • .dxf
  • .jpg
► See **www.taitradio.com/tp3** for examples, templates, and guidelines.

Label design by Tait:

► Tait can facilitate label design and printing for you.
► Simply provide logos, graphics and a description.
► Contact Tait for a label design solution that suits you.
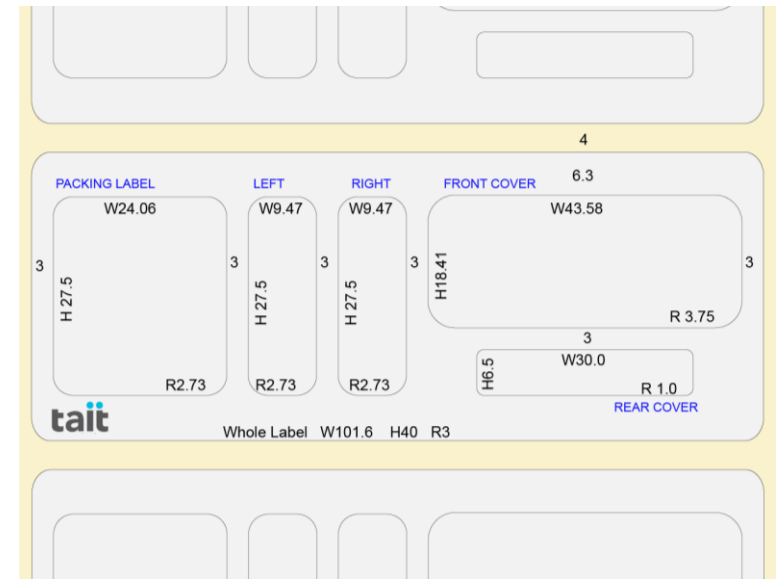
Show me

Upper layer insert

TP3 Demo Kit Complete

High-quality demonstration case for the TP3, complete with UHF radios.

► **Construction**: custom-molded EVA.
► **Size**: approximately 450mm x 350mm x 160mm.
► **Upper layer insert**: custom machined EVA. Fits three (3) radios complete with antennas, belt clips and batteries, and six (6) interchangeable radio covers.
► **Lower layer insert**: custom machined EVA. Fits charger and plug-pack, multi-national plugs, USB programming cable, and complete radio pressure tester kit.
► **Contains the following parts**:
   • TP3300 portable radio
   • TP3350 portable radio x 2
   • Charger
   • Pressure tester
   • Seven covers (seven assorted colors, 0, 4, and 16 key)
   • Assorted marketing collateral

Lower layer insert

| VHF (136-174MHz) | ▮▮ **TP3000-WBAA** |
| UHF (400-480MHz) | ▮▮ **TP3000-WAAA** |

Show me

TP3 Audio Accessories Demo Kit Complete

High quality demonstration case for TP3 accessories, with custom-molded interior.

Contains the following JDI Audio Accessories:

1	Speaker Mic: Medium Weight	T03-00045-FRAA
2	Speaker Mic: Light Weight	T03-00045-ERAA
3	Headset Light Weight: Behind Head	T03-00046-EFAA
4	Wired PTT for BT Light-Duty Ring	T03-00053-0101
5	Covert Kit Eartube-In-Ear, Mic with PTT	T03-00047-BAAA
6	Covert Kit Earhanger Lapel Mic with PTT	T03-00047-CBAA
7	Eartube In-Ear 3.5mm	T03-00120-AAAE
8	Earhook 3.5mm	T03-00120-BAAE
9	Eartube Earhook 3.5mm	T03-00120-FAAE

T3000-WAAC

Show me

TP3 Carry Case – 6 Radio

A case specifically designed for the TP3 series. Easy to create evacuation kits, rental fleets, sports team communications kits, grab bags, emergency sets.

High-quality utility case for the TP3.

► **Construction**: custom-molded EVA.
► **Size**: approximately 450mm x 350mm x 160mm.
► **Upper layer insert**: custom machined EVA. Fits six (6) radios complete with antennas, belt clips and batteries.
► **Lower layer insert**: custom machined EVA. Fits multi-way charger, plug-pack, spare batteries, and power-cords.

*Note: **case only**. Radios, covers, and all other parts and accessories must be purchased separately.*

TP3000-VAAB

Show me

TP3 Demo Case

High-quality demonstration case for the TP3.

► **Construction:** custom-molded EVA.
► **Size**: approximately 450mm x 350mm x 160mm.
► **Upper layer insert**: custom machined EVA. Fits three (3) radios complete with antennas, belt clips and batteries, and six (6) interchangeable radio covers.
► **Lower layer insert**: custom machined EVA. Fits charger and plug-pack, multi-national plugs, USB programming cable, and complete radio pressure tester kit.

■■ **TP3000-VAAA**

TP3 Instrument Case

High-quality case. Useful for accessory kits, spare batteries, leads and wire sets, field service etc.

► **Construction:** custom-molded EVA.
► **Size**: approximately 250mm x 210mm x 50mm.
► Blue zipper with "Tait" zip handles.
► Bag embossed with "Tait" logo

■■ **TP3000-VAAD**

*Note: **case only**. Radios, covers, and all other parts and accessories must be purchased separately. Inner instrument case sold separately.*
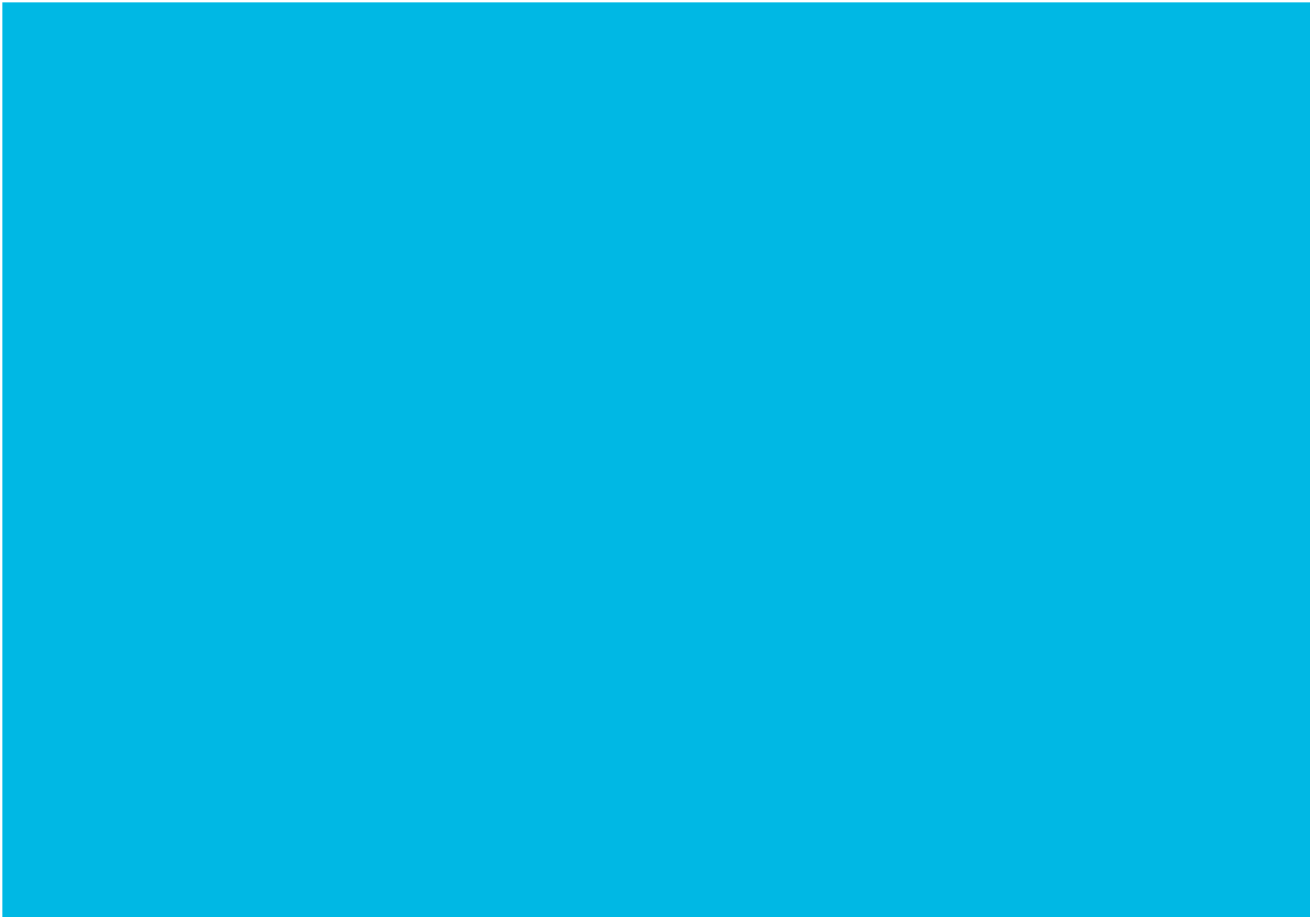
Show me

TP3 Audio Accessories Demo Case

High quality demonstration case for TP3 accessories, with custom-molded interior.

► **Construction**: custom-molded EVA.
► **Size**: approximately 450mm x 350mm x 160mm.
► **Upper layer insert**: custom machined EVA to fit accessories (see TP3000-WAAC).
► **Lower layer insert**: spacer to accommodate wiring.

*Note: **case only**. Audio accessories and all other parts must be purchased separately.*

TP3000-VAAC

TP3 PORTABLE RADIOS
SMART DMR | DMR | ANALOG