

AUDIO PANELS



TMA44 AND TMA45 AUDIO PANELS

The TMA44 and TMA45 audio panels work seamlessly with Trig stack products, they combine practical features and great value. Both panels support IFR and VFR flight and will also operate with a wide selection of existing legacy avionics.

Trig audio panels enable simple control of all your navigation, communication and entertainment choices – benefiting from Trig’s ‘Better by Design’ philosophy. The result – a logical and high quality interface that’s easier to use, with features pilots and passengers really appreciate.

FEATURES

TMA44 – STANDARD PANEL

- Mono – audio inputs for phone / music
- Smooth fade feature
- Simple user interface – easy to use
- Dedicated buttons for ADF and DME functions
- Marker beacon receiver – with indicators
- Supports 2-4 seats
- Great value for fleet operators and flight schools

THE GREAT VALUE PANEL THAT COVERS ALL THE BASES IFR/VFR

The TMA44 equips you for navigation and IFR flight, with switched inputs for; Nav 1, Nav 2, ADF, Aux and DME. An illuminated marker beacon for ILS approaches adds visual cues to marker audio tones. All switchgear has a positive feel, with adjustable panel illumination for a great user experience day or night.

The TMA44 has two additional unswitched inputs included for audio alerts, such as stall or undercarriage warnings. The option of playing music via two custom inputs is enhanced by the TMA44’s ‘smooth fade’ feature. This automatically adjusts music levels to ensure vital radio information is always clearly received.

PRODUCT INSTALLATION

The unit deploys an industry standard 44 pin connector allowing a simple retro-fit with older audio panels and is designed to fit into a standard avionics rack. The TMA44 is a popular choice for GA aircraft owners looking to enhance their audio system, getting core functionality in a cost effective package.

TMA45 – SUPERIOR PANEL

- Stereo – full support for Bluetooth – phone / music
- High quality audio processing – TDNR and TAM
- Superior user interface – simple operation
- Dedicated buttons for ADF and DME functions
- Marker beacon receiver – with indicators
- Support 2-6 seats
- Plug and play retro-fit for the GMA340

BLUETOOTH AND STEREO – MAKE EVERY FLIGHT A SOUND PERFORMANCE

Hosting 2-6 seats the TMA45 has industry leading Trig Digital Noise Reduction (TDNR). By automatically selecting the optimum level of squelch and mic threshold TDNR reduces cockpit noise. This improves your audio environment; it aids pilot concentration and combats fatigue. Our Superior panel also features Trig Active Mute (TAM) this further removes unwanted background noise from radio static, producing class leading audio quality.

By creating a more comfortable audio environment you are best placed to enjoy the TMA45’s stereo music entertainment and mobile phone connectivity. Integrated Bluetooth allows two portable electronic devices to be connected providing stereo music and communication options – it’s the preferred solution for discerning pilots who want to stay connected.

PRODUCT INSTALLATION

The TMA45 is designed to fit in a standard avionics rack, it has two connectors and is a plug and play retrofit for the GMA340.

VERSIONS

Product Model	Audio Panel Type	Audio Sound type	Bluetooth support	Sales Part Number
TMA44	Standard – 2-4 seats	Mono – with ‘smooth fade’ feature between radio comms/music.	No – mobile / music via inputs	01801-00-01
TMA45	Superior – 2-6 seats	Stereo – music and audio (TDNR) Trig Digital Noise Reduction and (TAM) Trig Active Mute provide the best quality of noise suppression and audio support for headsets and associated equipment.	Yes – music / mobile phones can be connected via wireless.	01802-00-01

SPECIFICATION

Specification	TMA44 Standard Audio Panel	TMA45 Superior Audio Panel
Type	2-4 seats mono	4-6 seats stereo
Certification	TSO Compliance – TSO-C50c, TSO-C35d	
Switched inputs	Nav 1, Nav 2, ADF, Aux, DME	Nav 1, Nav 2, ADF, DME and TEL
Unswitched – for audio warnings	2	4
Shared feature list	Marker Beacon Indicator with visual idents for IFR / ILS Adjustable illumination – photocell and/or via lighting bus Music ‘Smooth Fade’ feature	
Additional features	Trig Digital Noise Reduction (TDNR) enhances VOX audio Trig Active Mute (TAM) removes cockpit noise/ reduces radio static Bluetooth support for stereo music and mobile connectivity Front panel jack socket (for portable electronic device. Slide in replacement for GMA340	
Mic frequency response	3 dB 350 Hz – 6000Hz	300 Hz – 6000Hz
Music frequency response	3 dB 200 Hz	15 kHz 20 Hz – 20 kHz
Headphone impedance	150 – 1000 Ω	
Headphone output – each headset (no clipping)	45 mW	38 mW
Speaker output – 14 Volt DC / 28 Volt DC	3 Watts / 10 Watts	
Supply voltage	11-33 Volts DC	
Temperature range – operating	-20° C to +55° C	
Temperature range– storage	-40° C to +85° C	
Weight	1.3lb	
Physical dimensions (in tray)	W 6.25" x H 1.3" x D 7.75"	

Appendix B Installation Drawings

Drawings are not to scale

