

## **Trig TY96A and TY97A slimline VHF radio**

### ***Features***

- Slimline – only 1.3” high
- Bright, clear display / simple user interface
- Unique ‘Push Step’ for faster tuning
- Dual Watch – monitor two frequencies at the same time
- ETSO and TSO approved
- Stereo music / two place intercom
- ‘Say Again’ feature – allows playback of last transmission
- Emergency button
- Configurable airfield database – holds over 200 frequencies
- USB port on fascia – upload frequency database (CSV file)
- Highly efficient – no cooling fans or external cooling required
- Ideal retro-fit for legacy radios - same height as an SL40
- GPS / EFIS compatibility (includes SL40 protocol and Garmin GTR255)
- Two year warranty from date of install, U.S. based technical support

### ***Product design***

The stack radio high resolution display is clear and bright, showing both primary and secondary frequencies along with ICAO or custom set airfield identifiers.

A ‘Push Step’ knob allows the fastest change from 25 kHz to 50 kHz - so you can tune the radio quickly without compromising your look-out. The Dual Watch feature allows two frequencies to be monitored at the same time – it’s like having two radios in one.

The user configurable database, allows over 200 frequencies and identifiers to be downloaded to the radio from a CSV file - using the USB stick provided. There are no subscription fees and it’s a really flexible way to customize the radio for each flight by every pilot. This makes the TY96A the best choice for group aircraft and flying schools – every pilot can pre-arrange their own frequencies and load them into the radio in seconds.

### ***Say Again Feature***

The radio has a ‘Say Again’ feature. A single button press replays the last radio transmission. This is ideal for student pilots, but every pilot can get distracted, so this feature avoids the embarrassment of asking air traffic to repeat a message. A one touch Emergency Button automatically sets 121.5 along with volume levels. This ensures a successful transmission in what can be a stressful situation.

### ***Two place intercom and stereo music***

Each radio has a built in two place intercom with auxiliary inputs for stereo music and audio warnings. Each radio can also integrate with a GPS navigator (SL40 and GTR225 protocol) to automatically display

frequencies as they are required along the flight route. The TY96A also supports remote control via popular EFIS systems, including Garmin G3X Touch and Dynon Sky View systems.

**Installation**

The radio’s low profile design requires no external cooling fans. The radios compact size and features make it a great choice for both forward and retro-fit installations. Each radio is designed to easily integrate with legacy radios; these include popular KY196A, KY197A and SL40 models.

**Note**

The TY96A and TY97A are 760 channel radios - if you are flying in Europe it is a legal requirement to have an 8.33 enabled radio. Trig offers the TY96 and TY97 these are specifically cable of dual 25kHz and 8.33kHz operation but identical in all other respects.

Specification	TY96A Radios	TY97A Radios
Type	Certified – 760 channel radio	
Certification	ETSO 2C128, 2C169a TSO-C128a TSO-C169a	
Compliance	ED-23C, ED-67, DO-186B, DO-178B Level B, DO-160G, DO-254 Level C	
Supply voltage (DC)	11 – 33 V	22 – 33 V
Typical consumption (at 14v)	(at 14V) receive: 175 mA transmit: 2A	(at 28V) receive: 250 mA transmit: 2.5A
Nominal Transmitter Power	10 Watt	16 Watt
Operating temperature	-20°C to +55°C	
Cooling requirement	no fan required	
Weight	0.95 kg / 2.09 lbs	
Dimensions (mm)	33 x W 159 x L 270 mm	
Dimensions (inches)	H 1.3” x W 6.26” x L 10.63”	
Installed depth in tray (inches)	9.05” long	