

Cambridge Audio

# Tech specs

## Azur 640T digital DAB/FM radio



Cambridge Audio builds on its award winning DAB pedigree with this fully featured and versatile design.

Continuing the high-quality design and build found throughout the entire Azur range, the 640T incorporates an array of state-of-the-art technologies and innovations.

Forming the very heart of the unit is the latest highly integrated DAB (Digital Audio Broadcasting) chipset from Texas Instruments coupled to a high-performance Wolfson WM8716 24-bit/192kHz digital to analogue converter. The 640T fluently conveys both digital and FM radio broadcasts with superb clarity and passion.

Cambridge Audio's unique Natural Contour

Technology™ (NCT) domain compensation system enables easy and subtle adjustment of a radio broadcast's timbre, via a control on the 640T's rear panel. The 'Warm' setting balances out heavily digital sounding broadcasts by intensifying weight and warmth, while the 'Lively' setting breathes life into compressed, mechanical transmissions.

The gleaming aluminium front panel boasts a clear informative LCD display. This provides information on radio station, artist, track and can even display lyrics when broadcast.

### Azur 640T specifications

**Wavebands:** DAB Band III  
DAB L-Band  
FM

**Antenna Input Impedance:** 50 ohms

**Adjacent Channel Selectivity (EN50248):** 35dB typical

**Far-off Selectivity (EN50248):** 55dB typical

#### DAB Performance

**Frequency Range (Band III):** 174MHz to 240MHz

**Frequency Range (L-Band):** 1452MHz to 1491MHz

**Frequency Response:** 20Hz to 20kHz +/- 1dB

**THD&N @ 0dB, 1KHz Output:** 0.007% max

**Signal to Noise Ratio (A weighted):** 100dB min

#### FM Performance

**Frequency Range:** 87.5MHz to 108MHz

**RF Sensitivity for Signal to Noise of 26dB:** 0.5mV

**Large Signal Handling Capacity:** 500mV

**Ultimate Signal to Noise Ratio at 200mV:** 58dB

**THD&N @ 200mV RF Input, 1KHz audio,**

**75KHz Deviation:** 0.15%

**Max. Power Consumption:** 15 watts

**Dimensions (W x D x H) (mm):** 430 x 310 x 70

**Dimensions (W x D x H) (in):** 16.9 x 12.2 x 2.8

**Weight:** 3.68kg/8.11lbs

Cambridge Audio, Gallery Court, Hankey Place, London, SE1 4BB, England  
© 2005 Cambridge Audio Ltd Issued: August 2005

Cambridge Audio's policy is one of continuous improvement. Design and specifications are therefore subject to change without prior notice.

[www.cambridge-audio.com](http://www.cambridge-audio.com)

 *Cambridge Audio*



**Azur 640T digital DAB/FM radio**