



C 446 Digital Media Tuner



In typical NAD fashion, we designed the C 446 Digital Media Tuner as a very uncommon music player—a gateway to your digital music sources and to the world’s best radio. Beneath the classic NAD chassis of the C 446 lays a uniquely powerful digital media player with Internet radio, FM/AM and DAB/DAB+ (where available). Included in its uncommon bag of tricks is the ability to stream your music collection from multiple networked storage devices using DLNA and Universal Plug and Play (UPnP) standards. Other great features include USB playback, Wi-Fi, an easy-to-use Internet radio portal and support for cloud music services, such as Last.fm.



Features

> Network and Stream

We love computer music but hate computer sound. Why listen to your digital music through computer speakers when the C 446 can play it all on your performance hi-fi system? The C 446 utilizes an UPnP client to allow you to play audio files wherever music is stored on your network*, such as your computer, Android phone, Apple iOS device, or network hard drive.

> Music at your fingertips

Browsing your media collection is not limited to the control panel of the C 446. Thanks to UPnP Digital Audio Renderer (DAR) technology, you can browse, create playlists, and change songs from anywhere in your home using a variety of networked devices. Simply connect your iPhone, iPad, Android device, or PC (with Windows 7) to the network and start selecting music.

> Internet Radio

Thousands of radio stations. All kinds of music. Plenty of Podcasts. The C 446 knows no boundaries when it comes to serving up great radio from around the world. An easy-to-navigate Internet radio portal allows you to browse and customise lists with all your favourite Internet radio stations.

* Devices with UPnP server only.

> Music First

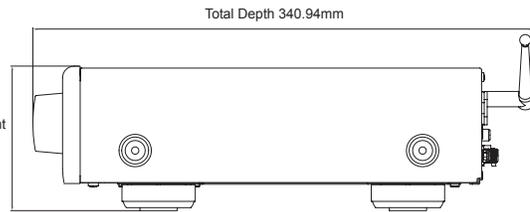
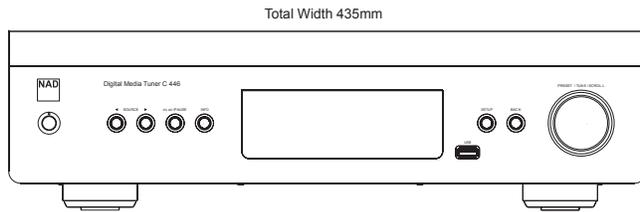
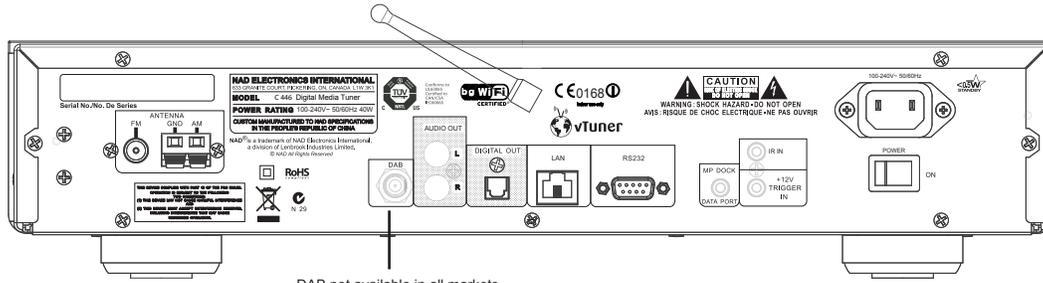
An audiophile-quality 24bit/192kHz DAC and high performance analogue audio circuitry extract every ounce of detail from your favourite music. The C 446 handily outperforms broadcast quality thanks to its finely tuned RF and IF sections when listening to FM/AM, and lovers of DAB/DAB+ digital broadcast will appreciate the improved audio quality compared to other radios.

> Uncommon Flexibility

The C 446 has a chameleon nature. Analogue FM/AM can be decoded as SPDIF digital output. Likewise, digital formats can be listened to using a high quality analogue output. An RS-232 serial interface port allows easy integration with advanced home automation systems. You can also control and charge your iPod or iPhone by adding our optional IPD 2 Dock for iPod.

> Digital Audio

The C 446 supports all the popular digital formats—MP3, FLAC, WMA, WAV, and AAC—and offers a great opportunity for music lovers who want the quality found in high-resolution audio files. Streaming these large files to the C 446 is simple thanks to its networking capabilities.



Specifications

MEDIA FORMATS	C 446	
WAV/PCM	up to 1.536mbit/s	
FLAC	up to 1.5mbit/s	
AAC	up to 320kbit/s	
MP3	up to 320kbit/s	
WMA	up to 320kbit/s	
FM TUNER SECTION		
Usable Sensitivity (98MHz)	10dB μ V	
Signal/Noise Ratio	65dB (60dB μ V IHF-WTD Mono) 60dB (60dB μ V IHF-WTD Stereo)	
Frequency Response	\pm 1.0dB (20Hz - 15kHz, 60dB μ V)	
Channel Separation (60dB μ V)	30Hz	33dB
	1kHz	40dB
	10kHz	32dB
Capture Ratio (40dB μ V)	3dB	
AM Suppression	50dB (60dB μ V, 100% Mod. FM, 30% Mod. AM)	
Total Harmonic Distortion*	Mono	0.25%
	Stereo	0.35%
Auto Search Sensitivity	24dB μ V	
RDS Decode Sensitivity	26dB μ V	
AM TUNER SECTION		
Usable Sensitivity (999/1000kHz)	55dB μ V	
Signal/Noise Ratio (5mV in)	42dB	
Total Harmonic Distortion (5mV in)	1.5%	
Selectivity	20dB	
Frequency Response (100 - 2.3kHz, 5mV)	\pm 6dB	
DAB SECTION		
BAND 3		
Tuning range	175.280 - 214.736MHz	
Large signal handling capacity	0dBm	
Sensitivity	-97dBm	
INTERFACE		
Wired (Ethernet)	10BASE-T or 100BASE-Tx, RJ-45	
Wireless (Wi-Fi)	802.11b/g	
GENERAL		
Standby power	<0.5W	
Analogue audio output	2Vrms	
S/PDIF digital output	TOSLINK	
Unit Dimension (WxHxD) - Gross	435 x 98.5 x 340.94mm 17 1/8 x 3 15/16 x 13 7/16 inches	
Net weight	4.65kg (10.23lb)	
Shipping weight	6.22kg (13.68lb)	

* : 60dB μ V, L=R 75kHz for 120V version; 40kHz Dev for 230V version



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