

## Xtreamer Specification

V1.0

### Media Files Supported

- **Video containers:**
  - MPEG1/2/4 Elementary (M1V, M2V, M4V)
  - MPEG1/2 PS (M2P, MPG)
  - MPEG2 Transport Stream (TS, TP, TRP, M2T, M2TS, MTS)
  - VOB
  - AVI, ASF, WMV
  - Matroska (MKV)
  - MOV (H.264), MP4, RMP4
  - FLV - Flash Video
- **Video codecs:**
  - XVID SD/HD
  - MPEG-1
  - MPEG-2
    - § MP@HL
  - MPEG-4.2
    - § ASP@L5, 720p, 1-point GMC
  - WMV9
    - § MP@HL
  - H.264
    - § BP@L3
    - § MP@L4.0
    - § HP@L4.0
    - § HP@L4.1
  - VC-1
    - § MP@HL
    - § AP@L3
- **Audio containers:**
  - AAC, M4A
  - MPEG audio (MP1, MP2, MP3, MPA)
  - WAV
  - WMA
  - FLAC
  - OGG
  - AVC HD
- **Audio codecs:**
  - Dolby Digital
  - DTS
  - WMA, WMA Pro
  - AAC
  - MP1, MP2, MP3
  - LPCM
  - FLAC
  - Vorbis
- Audio pass through : DTS, Dolby Digital, DTS-HD MA, DTS-HD HR, Dolby True HD, Dolby Digital Plus
- Photo formats : JPEG, BMP, PNG, GIF, HD JPEG
- Other formats: ISO, IFO, FLV, RM, RA, RAM
- Subtitle formats : SRT, SMI, SUB, SSA, IDX
- Streaming formats : RTSP, FLV



[www.thextreamer.com](http://www.thextreamer.com)

## Web Services

**Video:** YouTube, Picasa, Yahoo Video, CNN, NBC Today, CBS Face the Nation and more

**Audio:** Live365 Radio, iPodcast, Radiobox, ABC News, BBC Podcast, CNN News, Indiefed, Jamendo

**Photo:** Picasaweb

**RSS feed:** Yahoo! Weather, Yahoo! News, Yahoo! Xchange, MSNBC News and more

With Xtreamer you can access your favourite Internet videos (YouTube, Yahoo and many more) on your TV. Most folks don't want to gather the family around the PC in the office to settle in to catch up on missed episodes of your favourite sitcom or check out the latest YouTube videos from your favourite producer. Of course, there are times you want to watch video on your PC, and there are times when you'd much rather take advantage of the investment you made in your Home Entertainment System and watch on the big screen.

What is so special about the way Xtreamer does it? Xtreamer leverages your existing set-top boxes, game consoles, and home PCs – so you don't have to buy any new devices or connect them to your TV and we believe in the power of the World Wide Web – no "walled gardens" here – we want you to be able to access all sources of video content. We also believe in universal access.

We also want the experience to be great, so we built for TV viewing – so you can see the entire screen on the TV (not like trying to browse web pages on your TV) and use a remote control to navigate and play the videos! It is really just like watching TV – only with access to the World Wide Web of Video.

## Subtitles

SRT, SMI, SUB, SSA, IDX

The Xtreamer supports the most commonly used formats of subtitles which can be found on the internet. While activated, the Xtreamer will display the subtitles at the bottom of your movie in various languages yet it retains the flavour and originality of the original sound, dialogues and characterizations.

## Memory

256MB DDR SDRAM, 32MB Flash

The Xtreamer is based on memory modules that were specifically engineered and tested for higher speeds and lower latencies required from solid multimedia streamer and video decoder.

## Chipset

Realtek 128X (Special Edition)

The RTD128X is a highly integrated SoC for Consumer Electronics products requiring High Definition Media Playback, Wireless/Wired Networking, and Mass Storage capabilities. The Xtreamer, while incorporating flexible, advanced audio/video processor, enables cost-effective consumer solutions for those who seek a solid yet scalable media streamer.

## Network

- Ethernet 10/100
- WIFI USB Antenna 802.11 (optional)

### BEST IN CLASS FEATURES

The Xtreamer can be easily connected to the USB antenna which is 802.11n compliant device that delivers up to 14x faster speeds<sup>1</sup> and 6x further range<sup>1</sup> than 802.11g, while remaining backward compatible with 802.11g routers. Powered by Xtreamer DFX technology, it provides superior wireless coverage for larger homes and offices, or for users running bandwidth intensive requirements.

Available from [www.thextreamer.com](http://www.thextreamer.com)



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Connecting the Xtreamer to a router via cable will provide high-speed Internet access as well as connectivity to multiple computers, game consoles, and media players.

If you did not upgrade your current router to 802.11n you can buy 2 USB antennas and create a secure wireless network to share photos, files, music, videos and network storage via your own dedicated VPN.

The Xtreamer comes with one 10/100 Ethernet port that connects wired devices for lag-free network video playing and fast file transfers.

#### **INTELLIGENT QoS ENGINE**

The Xtreamer comes with Intelligent QoS technology, which analyzes and separates wired and wireless traffic into multiple data streams. The Xtreamer embedded Wireless Intelligent Stream Handling (WISH) technology improves wireless media by moving time-sensitive tagged traffic towards the front of the queue. WISH automatically detects multimedia and online movie formats, requiring no need for user configuration. It works transparently with other QoS technologies to immediately improve wireless media speed.

#### **ADVANCED NETWORK SECURITY**

The Xtreamer supports the latest wireless security features to help prevent unauthorized access, whether from over a wireless network or the Internet. Support for WPA and WPA2 standards ensure that you will be able to use the best possible encryption regardless of your client devices.

## Connectivity

- WIFI
- UPnP SSDP
- UPnP AV
- NTFS

#### **Share Files between Windows and Mac**

The Xtreamer is designed for Windows users and Mac users to stream files seamlessly. Windows users can access the unit via FTP, and Mac users via Samba, FTP, and AFP. Unicode support makes file sharing in a local LAN among different languages smooth and easy.

Remotely access and manage files stored on Xtreamer. Simply use a web browser to connect to Xtreamer, and you'll have total control over the files. Moving files among shared folders will only be seconds away!

When the hard drive on the Xtreamer internal SATA bay is full, you can expand the storage capacity simply by attaching an external hard drive to the USB port of (up to 1.5 TB x 2).

## Dimensions

Width 10.5" (180mm) x Depth 1.25" (32mm) x Height 2.25" (82mm)

The Xtreamer is amazingly small and even easier to use. The controls on the remote control are now conveniently located on a small surface. It's so easy, you can use it with your eyes closed.

## Power

- 12V DC, 3A

The Xtreamer incorporates state of the art technology that offers high performance protection for your data and files. It provides abundant power allowing you to work through medium and extended length power outages. It also safeguards your equipment from damaging surges and spikes that travel along utility and network lines. A distinguishing feature of the Xtreamer firmware is its automatic voltage regulation (AVR). AVR instantly adjusts both low and high voltages to safe levels, so you can play your files indefinitely during brownouts and overvoltage situations, saving the media player for power outages when you need it most.

Available from [www.thextreamer.com](http://www.thextreamer.com)



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## Package Content

Xtreamer (HDD not included)  
110~240V Power Adapter (supporting UK/EU and US)  
1.5M length HDMI cable (optional)  
Wi-Fi 802.11n USB Antenna (optional)  
Audio & Video Cables (3 way)  
Remote Control with 2 "AAA" batteries  
USB Slave cable  
Quick start guide



www.thextreamer.com

## Wireless USB Antenna (Optional Accessory)

Wirelessly stream movies, music or photos from your computer across your home Wi-Fi network.

The Xtreamer USB Antenna is an 802.11n (draft 2.0) USB Wi-Fi adapter that will allow you to bridge your home network to the Xtreamer. Utilizing the latest Wi-Fi technology the antenna will provide fast, secure and reliable connections that are 175% stronger than any other wireless solution in the market.

If you don't have an 802.11n router, don't worry. Get two antennas, place one at your PC and the other at the streamer back USB port and create yourself a dedicated wireless network to ensure smooth un-interrupted streams of content.

### Features

- Adopts MIMO technology for wireless better performance and range (up to 150Mbps)
- Adopts CCA™ technology which automatically avoids channel conflicts using its channel selection feature
- USB2.0 connector
- Quick Secure Setup, complies with WPS for worry free wireless security
- Supporting QoS-WMM, WMM-PS
- Antenna Rotatable, 90 degree of vertical angle and 180 horizontal
- Supports 64/128 bit strength WEP encryptions, as well as WPA/WPA2 and WPA-PSK/WPA2-PSK encryptions and mechanisms
- Provides Infrastructure and Ad-Hoc modes

### Specification

#### Chipset

- Ralink RT3070 Single Chip

#### Standards

- IEEE 802.11n (draft 2.0), IEEE 802.11g, IEEE 802.11b, Cisco CCX support, CSMA/CA with ACK

#### Wireless Signal Rates with Automatic Fallback

- 11n (20MHZ): MCS0-7 (up to 72Mbps)
- 11n (40MHZ) : MCS0-7 (up to 150Mbps)
- 270/243/216/162/108/81/54/27Mbps  
135/121.5/108/81/54/40.5/27/13.5Mbps  
130/117/104/78/52/39/26/13Mbps  
65/58.5/52/39/26/19.5/13/6.5Mbps
- 11g: 54/48/36/24/18/12/9/6M(adaptive)
- 11b: 11/5.5/2/1M(adaptive)

#### Frequency Range

- 2.4-2.4835GHz

#### Wireless Transmit Power

- 20dBm(MAX)

#### Modulation Type

- OFDM/CCK/16-QAM/64-QAM

#### Receiver sensitivity

- 270M: -68dBm@10% PER
- 130M: -68dBm@10% PER
- 108M: -68dBm@10% PER
- 54M: -68dBm@10% PER
- 11M: -85dBm@8% PER
- 6M: -88dBm@10% PER
- 1M: -90dBm@8% PER

#### Security

- 64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)

#### Interface

- USB 2.0 Hi-Speed, USB 1.1

#### Antenna Type

- Internal Omni-directional Antennas

#### Certifications

Available from [www.thextreamer.com](http://www.thextreamer.com)



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- CE, FCC

**Operating temperature**

- 0°C~40°C (32°F~104°F)

**Storage temperature**

- -40°C~70°C (-40°F~158°F)

**Relative humidity**

- 10% ~ 90%, non condensation

**Storage Humidity**

- 5%~95% non-condensing

**Dimensions**

- 15 x 15 x 155 mm

**Package Content**

- USB Wireless antenna

For additional support / updates, please visit [www.thextreamer.com](http://www.thextreamer.com) – your preferred supplier.