



# encore

## YS201

### MAIN FEATURES



- **A product with an incredible design and perceived quality (even more at this price level)**
- **Targets two market segments :**
  - High-end **all-in-one solutions**
  - High-end **multiroom servers** (source)
- **A receiver with a built-in sever !**
  - **A world-premiere in high-end audio** : all you need for a great audiovisual experience is a pair of speakers and a plasma TV !
  - AM/FM tuner with 20 memories
  - A variety of auxiliary inputs (3 digital and 3 analog)
  - Audiophile 2x40W output stage (MOSFET) assignable to zone 1 or zone 2
- **A high end multiroom source**
  - 500 Gb / 1 Tb storage capacity
  - Single-zone **video server with 1080p upscaling**
  - **Two-zone audio** server (RCA outputs)
  - Virtually unlimited-zone audio server with **UpNP/DNLA** compliant devices (Roku, Slim Device,...)
  - Seamless integration and file sharing with **Windows or Mac** computers over your home network including **integration in iTunes** and Windows Media Player
  - **CDs and DVDs playback and archiving** (DVD : optional archiving)
  - **Highly intuitive user experience**, including browse by cover art, automated and custom playlists, automatic disc recognition...
  - **Linux** based, 100% audio-video dedicated solution
  - **Extensive connectivity (HDMI, DVI, VGA, USB, Network...)**
  - **Decodes almost all current audio and video formats**
  - **iPod control and music download** (except iPhone and iPod touch and DRM protected files)
  - Custom-install friendly with a wide **variety of control options** (RS232, IR remote, Wifi device **including Apple iPhone,...**)
  - On-line software upgrade (including new features addition)
- **Audiophile approach** for high-end audio performances :
  - It is a YBA, not a computer-brand designed product
  - High Resolution conversion with jitter cancelation (**24 bits/192 kHz** upsampling and Wolfson 8740 DAC)
  - Separated power supplies for the computer section and the audio section including an oversized linear power supply (160 Va) and mains filter
  - Relay switching and high-end digitally controlled analog volume controller
  - Ability to switch-off the power section when unused
  - Lossless audio (FLAC) and uncompressed video DVD (.VOB)
  - Low-noise operation





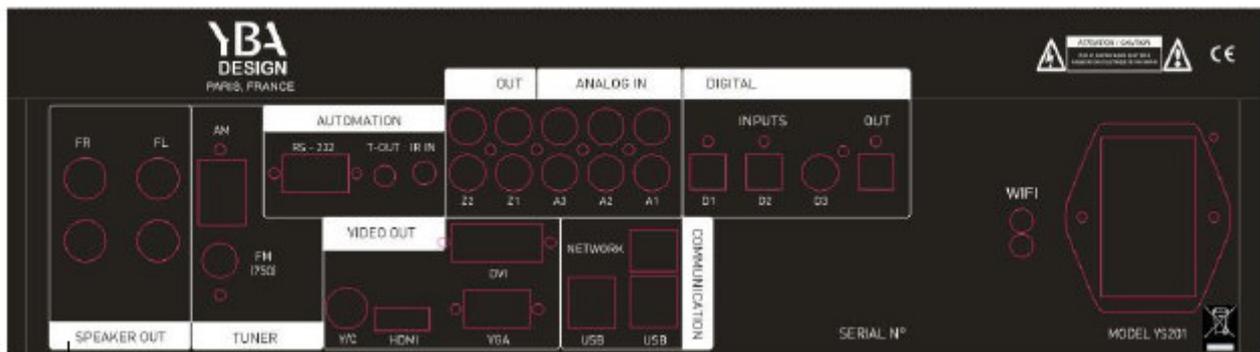
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## YS201

### CONNECTIVITY



- Digital audio :
  - 1 coaxial input
  - 2 optical inputs
  - 1 optical output (PCM, Dolby and DTS pass-through)
  
- Analog audio :
  - 3 RCA input
  - 1 RCA stereo preout zone 1
  - 1 RCA stereo preout zone 2
  - 2 speakers (assignable to zone 1 or zone 2)
  - AM, FM antenna
  
- Communication :
  - 4 USB
  - 1 bidirectional RS232
  - 1 trigger output
  - 1 infrared input (IR IN)
  - 1 Ethernet, 1 Wifi (a/b/g)
  
- Video :
  - 1 HDMI
  - 1 DVI
  - 1 VGA
  - 1 S-Video





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### SPECIFICATIONS



<b>YS201</b>  All-in-one Audio/video server	<b>Main technologies</b>	Single-zone High Definition 1080p video server Two-zone audio server with 24 bits/192 kHz DAC Full function receiver with RDS tuner, analog and digital inputs CDs and DVDs playback and archiving* with automatic disc recognition File sharing with a PC, Mac, MP3 player, iPod or any USB or UPnP device Highly intuitive navigation including cover art
	<b>Audio playback formats</b>	.mp3 / .flac / .ogg / .aiff / .aac / .m4a / .wav / .wma / .oma
	<b>Audio archiving formats</b>	FLAC / MP3 320 kbps / MP3 160 kbps
	<b>Audio DAC</b>	24 bits / 192 kHz (Wolfson)
	<b>Frequency response (3dB)</b>	20 Hz to 20 kHz
	<b>Power output (RMS 4Ω)</b>	2x40 W
	<b>SNR (preout)</b>	>110dB
	<b>Audio inputs</b>	3 RCA, 3 digital (2 optical , 1 coaxial)
	<b>Audio outputs</b>	1 RCA zone 1, 1 RCA zone 2, 1 digital, 2 speakers
	<b>Outputs limitations</b>	Zone 1 : Server (audio and video), CD/DVD, analog and digital inputs, tuner Zone 2 : Server (audio), tuner
	<b>Tuner</b>	AM/FM with RDS - 20 memories
	<b>Video resolutions</b>	Full HD (1080p), HD Ready (720p), 1680x1050, 1600x1200, 1280x768, 1024x768, 800x600, S-Video
	<b>Video playback formats</b>	.avi / .wmv / .mkv / .mp4 / .mpg / .mov / .asf / .ts / .vob / .mpeg
	<b>Video archiving format*</b>	.vob
	<b>Video formats</b>	4/3 or 16/9
	<b>Operating system</b>	Linux core - YBA proprietary interface
	<b>Video outputs</b>	HDMI (video only), DVI, VGA, S-video
	<b>Storage capacity</b>	500 Gb or 1 Tb*
	<b>Processing speed</b>	Dual core AMD 2,2 Ghz or 2,8 Ghz*
	<b>USB</b>	4 ports (2.0)
	<b>Network connection</b>	Gigabit Ethernet / Wifi (a,b, g)
	<b>File sharing</b>	Any Windows, Mac or Linux computer on the network (with provided software) Any UpNP / DINA device**
	<b>iPod control</b>	Yes, except iPhone, iPhone 3G and iPod touch
	<b>Supported image formats</b>	.jpg / .bmp / .png / .tiff
<b>Control options</b>	Provided 32 buttons high-end remote control with direct-access to key functions / YBA universal remote control / Universal remote control (all discrete codes) / RS232 / Any Wifi enable device able to run a web browser (PDA, iPhone, touch-screen)	

\* = Optional features

\*\* = Software licence is limited to 2 computers. Additional licence upon request





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## YS201

### FAQ



#### 1. How can I import files to my YS201 ?

- From the original Disc (CD archiving : standard - DVD archiving : optional)
- From a CD/DVD containing already encoded files
- From a USB hard drive or a flash drive
- From an iPod (except iPhone, iPhone 3G and iPod touch)
- From a Sony Walkman
- From a MP3 player
- From a PC or a MAC located on your home network
- From a NAS

#### 2. How can I backup my files ?

- The backup function of your YS201 allows you to copy all the files stored on its Hard Drive on a USB Hard Drive. This function works in differential mode so it only copies files which are not already stored on the USB hard drive. The initial backup requires approximately 1 hour per 300 Gb of data
- You can also make a full/partial copy on your PC/MAC by a simple copy/paste of the files/folders you want to backup
- You can also burn a CD/CDR-W

#### 3. What about networked audio ?

- The YS201 is fully UPnP/DLNA compliant meaning you can connect, control, and play the music/movies stored on your YS201 from any standard DLNA/UPnP device (Roku, Slim Device, Sonos,...)
- You can also play the content of your YS201 from any PC or MAC located on your home network
  - directly from iTunes or Windows Media Center
  - or by browsing the content of your YS201 from your network
- From your YS201, you can access to the music stored on your PC or MAC
  - By browsing your network from the YS201 SHARED menu
  - By installing the provided software (courtesy of Twonky Media) on your PC or MAC. This software allows a perfect integration of the files located on your home computers in all the YS201 menus such as COVER, PLAYLISTSÖ

*Note that the YS201 is shipped with a license for 2 computers but additional licences can be purchased from YBA.*

#### 4. What files extensions can I play ?

- Audio : MP3, FLAC, OGG, AIFF, AAC, M4A, WAV, WMA, OMA
- Video : AVI, WMV, MKV, MP4, MPG, MPEG, MOV, ASF, TS, VOB
- Image : JPG, BMP, TIFF, PNG





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#### 5. What are the ripping options ?

##### ■ AUDIO

##### • **FLAC (RECOMMENDED)**

FLAC is a **lossless compression** format which allows to reduce the file size without impacting the sound performances. YBA does not implement the optional bass summation option, thus there is absolutely no **sound difference between the FLAC file and the original file** : there is **no destruction, adjunction or modification** to the original file. Indeed, FLAC workaround is similar to other popular file compression softwares (Stuffit, Winzip, Winrar) but with an audio-specific algorithm. And as with those software, after the compression/decompression process, the decompressed file and the original file are **byte to byte identical**. That is exactly the same with FLAC.

FLAC helps to reduce by an average 50% the original file size, allowing to store a greater number of CDs without any loss of audio quality.

##### • **MP3 320 kbps**

This format allows to divide by 4 the original file size but with loss in audio quality according to audiophile standards.

##### • **MP3 160 kbps**

This format allows to divide by 6 the original file size but with a significant loss in audio quality according to audiophile standards.

##### ■ VIDEO

- **VOB** : VOB is the original unencrypted DVD format including language options, sub-titles and on-disc menus

#### 6. How many files can I store ?

The number of files you can store depends on the model (500 Gigabytes Hard Drive or 1 Terabytes Hard Drive) as well as to the audio and video formats you prefer to use. Thus below figures are only indicative and given for the 1 Terabytes version :

- More than 200 DVDs in VOB format (including menus, languages and subtitles)
- More than 1.000 MP4 video files
- More than 3.000 complete CDs in FLAC format (FLAC size varies according to actual content)
- More than 6.000 complete albums in MP3 320kbps format

#### 7. Are they video limitations ?

Because of HDCP and hardware limitations, you can only connect one video display to one of the two digital video outputs (HDMI or DVI) and one video display to one of the analog video outputs (VGA or S-video). Thus you can not use both HDMI and DVI simultaneously or both VGA and s-video simultaneously. But you can for example connect one display to the HDMI and one display in VGA.





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#### **8. What about High Definition video and Blu-Ray ?**

Your YS201 can upscale any video content to higher definition formats, including full HD (1080p). It can also play native 720p video files (with 1080p upscaling).

Blu-Ray format is not yet supported as there is no Linux based Blu-Ray reading or archiving software because of the strong content protection codes embedded in the Blu-Ray format. Nevertheless, a feature called Managed Copy is provisioned in the Blu-Ray specs and shall allow the local backup of Blu-Ray discs using a form of copy protection. This provision has yet to be implemented by the movie studios who produce the discs. When and if Managed Copy becomes publicly available, YBA will support it.

#### **6. How do you find the information (metadata) ?**

Your YS201 has a built-in off-line CD Database of more than 2.500.000 titles containing the artist, album name, genre and release year.

The first time you insert a CD, your YS201 will automatically check in his database. It will then ask you to confirm the information or leave you the option to enter them manually. Once the information are correct, it will browse the internet for the corresponding cover art and song name.

If you insert the same CD, the recognition step shall be skipped and your YS201 will automatically display the matching cover art.

The process is the same when importing audio or video files from the network or a USB device.

#### **7. Why a Linux environment and your own GUI when so many brands are using Windows Vista Media Center ?**

Linux becomes increasingly popular amongst media center manufacturer as it :

- Offers a modular approach so you can create your own operating system by choosing the software bricks you want to implement whereas Microsoft Windows Vista is a fully-packaged solution with hundreds of unnecessary features for a media center. Thus the size of your YS201 operating system is more than 100 times smaller than Vista, not to mention all the software bundled with Vista, you will never use !
- Offers a lot more stable and quicker operating basis. The simpler, the more stable !
- Requests a lot less system resources allowing to use the CPU and RAM for more useful tasks, such as high-speed ripping, fluid video playing,...
- Allows YBA to create a unique user-experience and to upgrade or enrich it according to your actual feedback

