

		RIP-N-PLAY (1TB +2TB)	Zara Premium (2TB + 4TB)	Zara Premium (SSD)	Comments
Build					
Chassis – Single Body Aerospace Grade Aluminium		Yes	Yes	Yes	RIP-N-PLAY - 3.5" HDD Bay Zara Premium - 2.5" HDD Bay Zara Premium (2x2TB) - 3.5" HDD Bay (see chassis height)
Dimensions		332(w) 185(d) 54(h)mm	2TB - 350(w) 200(d) 36(h)mm 4TB - 350(w) 200(d) 38(h)mm	350(w) 200(d) 36(h)mm	
Fan-less design		Yes	Yes	Yes	
Low power consumption		Yes	Yes	Yes	
Interfaces	LAN	Yes	Yes	Yes	
	VGA (Monitor/TV)	No	Yes	Yes	
	HDMI (Monitor/TV)	No	Yes	Yes	
	S/PDIF	Yes	Yes	Yes	
	Analog Line-Out	No	Yes	Yes	
	USB	Yes (2)	Yes (4)	Yes (4)	
Ripping					
Ripping Algorithm		CD Paranoia	Proprietary Bit Perfect Ripping Algorithm	Proprietary Bit Perfect Ripping Algorithm	
Ripping Processor		Default embedded optical drive microchip using ATAPI protocol	X86 CPU running proprietary algorithm	X86 CPU running proprietary algorithm	Increased possibility to accurately extract data, even from damaged discs
Rip to WAV		No	Yes	Yes	WAV uses the same LPCM (linear pulse code modulation) as the original disc, making it the best digital format to use
Ability to handle error correction		Yes	Yes	Yes	
RPM Control		No	Yes	Yes	Control optical drive motor to allow for silent running.

Comparison of AVA Media Audio Ripping Servers – November 2013



Data Caching		Yes	No	No	Caching causes confusion. An irregular read of audio from the disc will continually return the same bad data when asked to read the disc again.
Calibrated Offset Tracking		Yes	Yes	Yes	Beginning and end of tracks can be captured accurately
Compliance of tracking warped, off-centre and discs with poor reflectivity		No	Yes	Yes	
On-Line CD Lookup Databases		Yes FreeDB (Metadata) + Amazon (Album Art)	Yes AMG Lasso (Primary) + FreeDB (Secondary)	Yes AMG Lasso (Primary) + FreeDB (Secondary)	
Local CD Lookup Databases		No	Yes (Local FreeDB Database)	Yes (Local FreeDB Database)	
Support for	Ripping to local drive(s)	Yes	Yes	No internal storage	
	Ripping to network location	No	Yes	Yes – Intended function	
Encoding					
Formats Supported	MP3	Yes	Yes	Yes	
	FLAC	Yes	Yes	Yes	
	ALAC	Yes	No	No	
	WMA	No	Yes	Yes	
Encoding quality selection		Limited to mp3 with 4 default profiles	Yes	Yes	
Data security					
Internal Backup		No	Yes	No	
USB Backup		Yes	No	No	
Content Sharing					
SMB File Sharing		Yes (Read/Write)	Yes (Read for ripped discs) Yes (Read/Write for public folder)	No	Zara Premium isolates the high quality ripped file

Comparison of AVA Media Audio Ripping Servers – November 2013



UPnP Sharing	Yes	Yes	Yes	
DLNA Sharing	Yes	Yes	Yes	
Logitech Sharing	Yes	No	No	
Content Indexing				
Index USB devices	No	Yes	Yes	ZARA Premium can catalogue WAV, MP3, WMA, AAC, and FLAC files found on attached USB storage devices
Index Network Shared Locations	No	Yes	Yes	ZARA Premium can catalogue WAV, MP3, WMA, AAC, and FLAC files found on devices available on the network
Manage indexed shared locations	No	Yes	Yes	ZARA Premium allows you to choose the locations you want to include in your library
Dynamic monitoring of indexed locations	No	Yes	Yes	ZARA Premium makes sure that any additions or deletions of files are automatically catalogued
Management				
Management Interfaces	Web Based GUI	Yes	No	No
	Local	No	Yes	Yes
	Desktop Client Application	No	Yes	Yes
	Mobile Client Application	Yes (Limited functionality)	Yes	Yes
	CEDIA Compliant over LAN (Pronto)	No	Yes	Yes
	AMX	No	Yes (Licence Required)	Yes (Licence Required)
	Crestron	No	Yes (Licence Required)	Yes (Licence Required)

Playback				
Local Playback	Yes	Yes	Yes	For the ZARA Premium to provide adequate output a DAC is required
UPnP Playback Control	Yes	Yes	Yes	Allows the unit to control UPnP renderers available on the network
Web-Based playback	Yes	No	No	
UPnP Control Point	No (only available for local player)	Yes	Yes	Available UPnP renderers can be controlled from any device with the AVA Media DigiFi Client (installed on the same network)
UPnP Device Discovery	No	Yes	Yes	

Sources

<http://en.wikipedia.org/wiki/WAV>

<http://www.xiph.org/paranoia>

DigiFi Manual