

### **Technical Specifications for Ventus SPIN Eco Media Player**

Manufacturer	VENTUS
Model No.	EP-MX72 SPIN™
Description	Windup powered Personal Media Player
Dimensions	115mm x 62mm x 25mm (w = 170g) 4.5" x 2.4" x 1" (w = 6oz)
Internal Memory	Flash 4GB
Memory Expansion	SD (Up to 4GB) & SDHC (Up to 16GB)
Audio formats supported	wav / mp3 / ogg / wma* * (DRM protected tracks will not play on this device)
Video formats supported	AVI (H.263) XviD / WMV9 Simple Profile
Photo formats supported	BMP / JPEG / GIF up to 2 M/Pixels
Ebook format supported	ASCII plain text (TXT)
Screen size	2" Full colour 0.4 M/pixels (220 x 176)
Audio DAC	24bit with VENTUS LiveSound
Frequency response +-2db	20hz-20khz
Sound to noise ratio	90db @ 2khz
Analogue encoding (Stereo Line-in)	WAV PCM up to 32Khz sampling
Analogue encoding (Voice Mic)	WAV PCM up to 32Khz sampling
Total harmonic distortion	> 0.05%
FM Stereo Radio Band A	87Mhz -> 108Mhz
Radio Station memories	20 stations
LED Utility Light	Ngan Super Bright White LED 20,000Mcd
Connectivity	Mini USB 2.0 High Speed data transfer / conforms to USB "Removable Disk" storage device. Analogue stereo Line-in 3.5mm stereo jack Headphone output stereo 3.5mm jack
Media Management	On board selection of music playlists by Artist / Album / Genre / File Folders. Album Art supported.
Internal Power	1,000mAh Li-I rechargeable battery
Internal Generator	3-phase brushless alternator 1,200mA @ 2 revolutions per second
External Power	Recharge via USB
Mobile Phone Charger	6v @ 450mA (approx 3 minutes talk-time for each 1 minute winding)
Audio Play Time	Approx 45 minutes for each 1 minute winding or 55 hours when fully charged via USB
Video Play Time	Approx 10 minutes for each 1 minute winding or 6 hours when fully charged via USB
Video storage	XviD AVI format = approx 2½ Hours of movie per 1GB of storage
Audio storage	Typically approx 250 songs (mp3) per 1GB of storage
Utility Software	MediaCoder / Ebook formatter / User Manual (PDF)
O/S supported	XP or Vista, MAC OS 10 or later
Applications supported	Integrates with Windows Media Player 10 or later. Plays Apple iTunes content (iTunes after 7 <sup>th</sup> Jan 2009)
Included Accessories	VENTUS EX-2 Earphones with gold plated jack / Auto-Recoil USB cable / Auto-Recoil phone charge cable + 4 phone adapters / Lanyard Support Strap / User Quick Guide / Utilities CD
Packaging	Colour gift box manufactured from sustainable pulp. Inner carton manufactured from recycled carton pulp. Both cartons are recyclable.
Manufacturing Standards	CE tested and certificated for EMC compliance All components ROHS compliant.