

## PRODUCT INFORMATION SHEET

### *Chordette Gem*



The Chordette Gem is designed to integrate within an existing HiFi system and allow the transfer of music from a Bluetooth enabled phone, PDA or personal computer. The addition of a USB port also allows direct streaming of audio from a PC.



Modern phones, personal digital assistants and personal computers now have the ability to transmit high quality audio using the Bluetooth Advanced Audio Distribution Profile or A2DP for short. Using a custom designed Bluetooth receiver we have been able to extract and decrypt the normally unused digital audio information and input this directly into a high quality digital to analogue converter. Unlike the analogue audio outputs seen from other Bluetooth devices this gives us much better performance and enables CD like transfer of music from the Bluetooth device. Connection is a breeze and uses a very simple pairing procedure and with a range of up to 30 meters it can be used anywhere in the home.

The USB port can be connected to a personal computer and will seamlessly appear as an audio device by the operating system. Any music played on the computer will be digitally decoded and then converted to a HiFi quality signal for playback. Both the Bluetooth input and USB can be selected using a simple switch on the rear of the device. Audio outputs connections are made via two gold plated RCA phono sockets.

The Gem allows you to unlock the potential of your Bluetooth device and use it as a high quality music source within an existing HiFi system. No wires and no discs, the future of music is here – now!

## Product Specification

|                           |  |
|---------------------------|--|
| HARMONIC DISTORTION       | < -100 dB (1kHz, 24-Bit @ 44.1KHz Sample Frequency)              |
| CHANNEL SEPARATION        | 100dB @ 1KHz   |
| DYNAMIC RANGE             | 112dB  |
| SWITCHABLE DIGITAL INPUTS | 1 x USB ( B type )<br>1 x Bluetooth supporting A2DP Stereo Audio |
| ANALOGUE OUTPUTS          | 2 X RCA Phono  |
| SAMPLE FREQUENCIES        | 44KHz – 96KHz  |
| OUTPUT MAX                | 2V rms. unbalanced   |
| OUTPUT IMPEDANCE          | 75Ω (short circuit protected)                                    |
| DIMENSIONS IN MM          | 160 x 70 x 40mm (Width x Height x Depth)                         |
| WEIGHT                    | 0.4Kg  |



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