

Chordette PRIME

High Definition Preamplifier

Thank you for purchasing the Chordette Prime. In order to get the most from your product please take a few moments to read these instructions.

Connections

There are four pairs of identical analogue inputs with RCA phono type connectors. These can be used to connect to line level output source equipment such as the Chordette Gem or a CD player. The USB input is bi-directional and can be used for both playback and recording to and from a personal computer. Connect to a spare USB port on the computer using the provided A-B USB cable. The optical TOSLink output is provided as a digital monitor for connection to an external DAC when the USB recording output is being used.

There is a smaller connector under the USB that is used to carry control signals to other Chordette products such as the Gem Mk II. Refer to the individual product for manual for more details.



Line 1 input
Line 2 input
Line 3 input
Line 4 input

USB connection (top) Control signal input (bottom)

Left and Right output (connect to amplifier)

12V DC power input. Connect to the wall adapter provided.

IR remote control receiver

Optical digital output (requires USB)

Volume control buttons

Input selection button

Mute button (Hold to reset microprocessor)



Balance Control

On the side of the unit is a small hole for the balance control. Using a small flat bladed screwdriver the output balance can be adjusted left or right.

Using the Prime

Plug the Prime into the wall adapter provided then connect this to the wall socket. The display will illuminate and show the selected input.

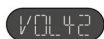
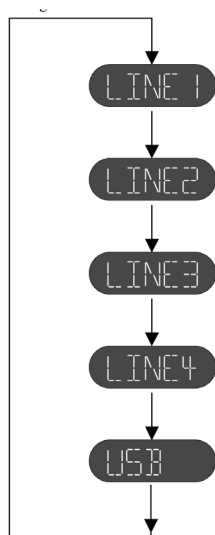
Select the input source:-

Press the INPUT button on the front panel to select the input source.

The options are shown in the diagram below:

Adjusting the volume

Use the volume buttons to adjust the volume manually. The volume range runs from 0 to 98 and is displayed on the Prime display as you change the volume. If the outputs are muted, a volume change will un-mute the outputs to prevent large changes in volume from damaging your loudspeakers. The volume level is shown on the display as the word VOL and a two digit level as shown in the example diagram below.



Volume display

Muting

Press the SET button to mute the output.



To reset the microprocessor press and hold the set button until the display reads reset then press the input button to select an input.

Using USB playback and digital audio recording

Connect your personal computer via an A to B type USB cable. The Prime will automatically be recognised by the computer as a USB microphone or recording device and also a USB DAC. You may need to select the USB connection in the sound settings on the computer.

Most operating systems include sound recorder software that can be used to archive music whilst it is playing via the Chordette Prime. For professional results there are many commercial software packages available, please choose the one that best suits your needs.

Optical digital output

Once a recording has been made and providing the USB cable is still connected to the personal computer you can play back the recording via the optical digital output into an external DAC or digital input on a Hi Fi system. Simply connect an optical cable then play the archived content via any media player on the personal computer. The output will be 44.1 or 48KHz PCM digital audio format.

Remote Control

The Prime is supplied with a system remote control.

Press the HIFI key



to begin controlling the Prime.

Selecting the input source

For convenience you can directly access the 5 inputs using the buttons at the bottom of the remote control.



Adjusting the volume

Press the Vol+ button on the centre control to increase the volume, press the Vol- button on the centre control to decrease the volume.

Mute

Press the mute key to mute the Prime.



To un-mute

Press the mute key again, or select an output, or change the volume.

Chordette Control Signal

Underneath the USB input is the smaller control signal connector. This allows direct control of the Peach using the Prime and the remote control.

Plug in the cable supplied with the Peach to both products and set the Peach input selector to the cable connect position. Connect the analogue output from the Peach to one of the inputs on the Prime, for instance Line 1. Using the right hand set of input buttons (Bus B) on the remote control you can now select each of the inputs on the Peach.



TP-01 selects Bluetooth, TP-02 selects USB, TP-03 selects optical and TP-04 selects coax.

Technical Specifications

USB Input:	0.006%THD;44/48KHz, USB 2.0 Compliant
Outputs:	1 x pair of gold-plated RCA Phono 1 x Chordette Control signal 1x TOSLink Digital output record monitor
Intermodulation Distortion:	-100dB all inputs
Signal to Noise Ratio:	-93dB all inputs
Frequency Response:	2.5Hz – 200kHz (-3dB)
THD:	0.002% 20Hz – 20KHz
Channel Separation:	10 Hz 90dB, 1kHz 90dB, 10kHz 90dB, 20kHz 85dB
Channel Balance:	0.01dB
Input impedance:	47kOhms
Output impedance:	100 Ohms short circuit protected
Output Offset:	0mV both channels
Max Input Voltage:	5V rms
Max Output Voltage:	7.5V rms
Potentiometer Performance:	0dB 0.5dB, -20dB 0.2dB, -60dB 0.24dB (13 s for full travel)
Power Supply:	12V 3A 2.1mm connector. Centre Pin Positive. 100V – 240V 50/60Hz 1A wall adapter supplied
Dimensions:	160 x 70 x 40mm (Width x Height x Depth)
Weight:	0.4Kg



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