

562V Digital Controller

The 562V was introduced to the Meridian 500 Series as the marriage of analogue and digital audio with video allowing compatibility and conversion of current and future technologies. It handles digital and analogue audio as well as composite and S-VHS video, matching all seamlessly together to give the ease of use that Meridian is famous for.



Increasingly in home theatre systems the number of sources grows with VCR, Tape, Radio, CD, Laser Disc, DSS and many others to connect. The 562V is the problem solver at Meridian. With inputs in a number of different formats and conversion from analogue to digital and digital to analogue (optional) the 562V has become the 'must have' product if you are to make all these sources work together.

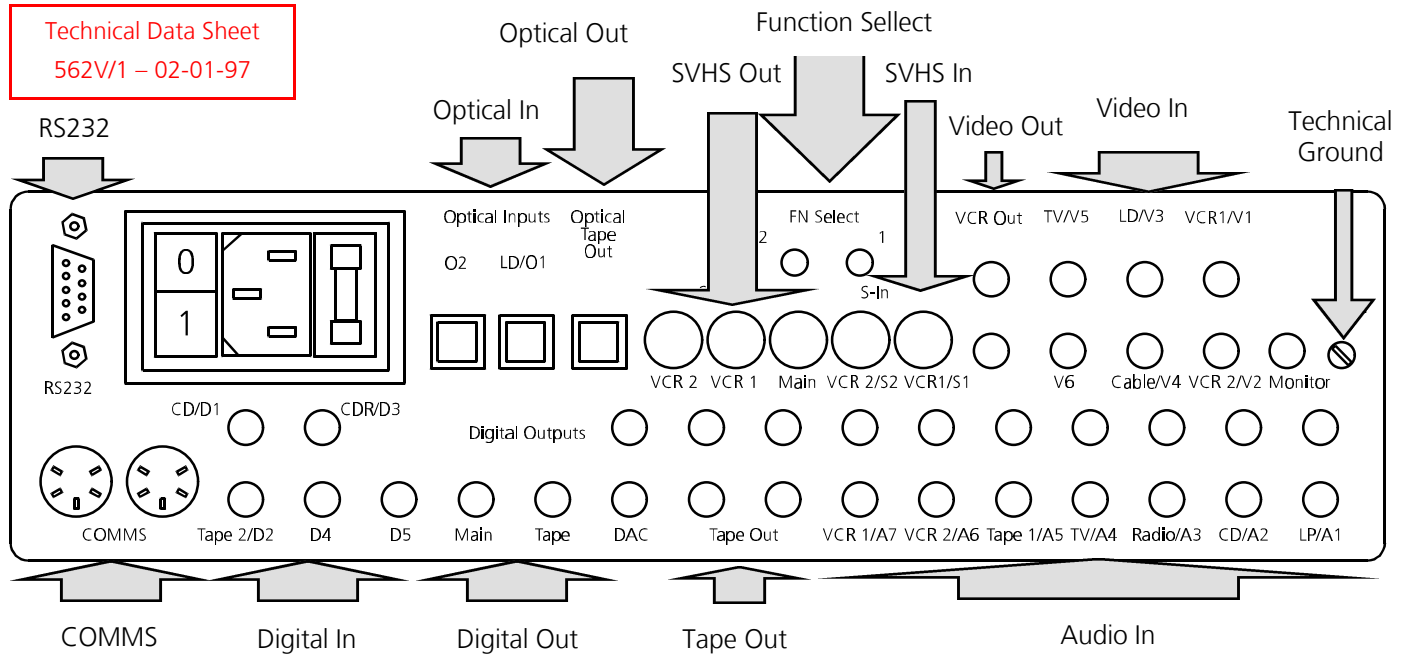
Once integrated into a complete home theatre system the ability to access any source in any format for both taping and performance in main or secondary areas becomes a one-key operation. At the same time as providing ease of access to all your sources the quality of 562V in both audio and video domains ensures that no loss occurs. In fact the broadcast-grade video amplifiers in the 562V enhance the quality of the video signal and provide excellent drive for long cable distances.

Additional facilities include function

select outputs that connect either to the SCART sockets on your TV to match the picture with the sound or can be used to control the lowering of projection screens, etc.

The 562 is available in a number of options. 562 has no video switching, while 562V comes complete with composite and S-VHS connections and the addition of the DAC module (517) allows the 562 to operate as a complete preamplifier. Please note 517 is required for analogue two-room operation and taping. We recommend that if either of these options is required the 562 is bought with 517 fitted, as this is a more cost-effective solution than having the 517 fitted later.

562V matches seamlessly with 565 and Meridian DSP loudspeakers to make the most complex AV systems easy to use.



Performance

Analogue/Digital conversion 1 stereo 16-bit Delta-Sigma converter running with 64-times oversampling at 44.1kHz. Distortion <0.01% input to output up to digital full-scale. Noise and hum <-90dB for digital or high-level analogue inputs. <-70dB MM input; <-60dB MC input.

Inputs and outputs

Digital inputs:

Cable inputs: D1-5 IEC958, 75 Ohm

Analogue inputs:

MM input option – on A1 input

Sensitivity adjustable: 9mV, 8mV, 4mV or 2mV for 5cm/s @ 1kHz Cartridge load 47kΩ/100pF

MC input option – on A1 input

Sensitivity adjustable: 600µV, 480µV, 240µV or 120µV for 5cm/s @ 1kHz. Cartridge load 220Ω/10nF

High-level flat inputs: A2-7

Sensitivity adjustable 2.5V, 2V, 1V or 500mV. (Input signal for full digital level) – Input impedance 20k Ohms

Digital outputs:

Cable outputs: Main and Tape IEC958, 75 Ohm

As input for digital inputs

Internal A/D conversion 44.1kHz ± 50ppm for analogue inputs

Analogue outputs:

Tape outputs: 1, 2 – Output voltage equal to input voltage (only copy of analogue inputs – no D/A conversion without 517 DAC module)

Construction

Controls: Source, Copy, Display, Mute, Volume, Off

Dimensions 88mm (3.46in) H, 321 (12.64) W, 332 (13.07) D – Weight 5kg (10lbs)

Video version

6 composite inputs with monitor and two VCR outputs
Two S-VHS inputs with monitor and two VCR outputs
Function select outputs for SCART connection 0-11Vdc
2 optical TOSLINK optical inputs and one optical tape out

517 Module

18-bit Crystal D/A conversion
Integral volume control for preamp out or headphone
Configurable for fixed, variable, tape or headphone use