



DSP Loudspeaker Update Matrix – November 2011

The following information is intended to detail which Meridian DSP Loudspeaker models receive which new features in the latest issue of firmware.

Product	Sooloos integration	Upsampling changed to apodising type upsampling	Improved three-way crossover/alignment	Configuration option to enable use of F80 remote control
DSP3100	Yes	Yes	Not Available	Yes
DSP3100HC	Yes	Yes	Not Available	Yes
DSP5000 Dot-matrix	Yes	Not Available	Not Available	Yes
DSP5000HC Dot-matrix	Yes	Not Available	Not Available	Yes
DSP5000 7-segment	Yes	Not Available	Not Available	Yes
DSP5000HC 7-segment	Yes	Not Available	Not Available	Yes
DSP5200 Non-SpeakerLink	Yes	Available since V1.20	Not Available	Yes



DSP5200HC Non- SpeakerLink	Yes	Available since V1.20	Not Available	Yes
DSP5200 SpeakerLink	Yes	Available since V1.20	Not Available	Yes
DSP5200HC SpeakerLink	Yes	Available since V1.20	Not Available	Yes
DSP5500 Dot-matrix	Yes	Not Available	Yes	Yes
DSP5500HC Dot-matrix	Yes	Not Available	Yes	Yes
DSP5500 7-segment	Yes	Not Available	Yes	Yes
DSP5500HC 7-segment	Yes	Not Available	Yes	Yes
DSP6000 Dot-matrix	Yes	Not Available	Yes	Yes
DSP6000 7-segment	Yes	Not Available	Yes	Yes
DSP7000	Yes	Not Available	Yes	Yes



DSP7200	Yes	Available since V1.00	Yes	Yes
DSP7200HC	Yes	Available since V1.00	Yes	Yes
DSP8000 Non-SpeakerLink	Yes	Yes	Yes	Yes
DSP8000 SpeakerLink	Yes	Available since V1.10	Yes	Yes

Sooloos Integration: Sooloos integration renames the “AUX” source as “SLS”. It also applies Meridian Comms type 4C to ensure that communications between Meridian DSP Loudspeakers and Meridian Sooloos Digital Media Systems is unified when the Master DSP Loudspeaker is also the system Controller.

Upsampling Changed to Apodising type Upsampling: This update is applied to all DSP Loudspeakers where the DSP architecture allows for upsampling to be carried out, and in those DSP Loudspeakers that already include upsampling this replaces the existing filter algorithm. When the digital input receives a signal that is 44 or 48kHz sample rate, the DSP Loudspeaker will upsample to 88 and 96kHz respectively. This upsampling process includes Meridian’s proprietary Apodising type filtering.

Improved three-way crossover/alignment: This feature applies to all three-way DSP Loudspeakers. The new filter has been developed to improve low frequency timing and accuracy as well as stereo imaging. Where the update is made to all DSP Loudspeakers In a Meridian Digital Theatre system it also ensures unified phase alignment in all models of DSP Loudspeaker.