

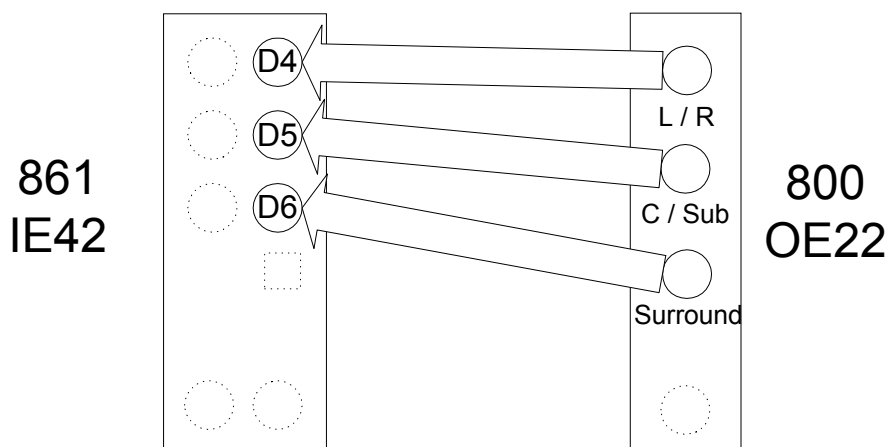
Meridian MHR Smart Link

Introduction

The new 800 can be set up to output whichever bitstream (PCM, Dolby Digital, DTS or MPEG) is currently playing on the disc. However, the highest quality sound can be achieved by decoding the stream in the 800 wherever possible and passing an upsampled multichannel PCM stream to the 861. This is the default setting for 800/861 version 3.

Wiring the MHR Smart Link

DVD-A (the LP key on the MSR) is the default source for use with 800 version 3. Three 75ohm co-axial cables should be used to connect the two units as shown below, using the "Multichannel 2" input on the 861. This leaves D1-D3 free for other digital sources.



Using the 861/800 version 3 combination

The MHR Smart Link carries intelligent stream content information from the 800 to the 861. This tells the 861 about the original source of the stream and channel occupancy (2 channel or 5.1 channel). Version 3 861 uses this information to select one of four PCM presets that can be defined for this source;

- Multi-channel music (e.g. DVD-A) selects the Discrete preset
- Multi-channel movie (e.g. Dolby Digital 5.1 DVD-V) selects Cinema (Discrete with +10dB LFE)
- Two channel music (e.g. CD or MP3) selects the Trifield preset
- Two channel movie (e.g. Dolby Digital 2.0 DVD-V) selects PLII Movie

So, from a standard 'Type', the 861 will automatically select a DSP mode suitable for the source material and switch between presets as the 800 detects and plays different streams.

For more details of this unique and powerful feature of the 800/861 combination, see page 80 of the *861 User Guide*.

Customising the interface

Seven different presets can be assigned to the multichannel source, one each for Dolby Digital, MPEG and DTS, (for use if a bitstream is received) and the remaining four for PCM streams.

Any of the default presets can be changed by using the “Assign” key as described on page 32 of the *861 User Guide*. The factory default presets can also be modified and stored as User Presets, then assigned as required.

The stream display on the 861 shows the type of stream being sent by the 800, e.g.

DVD-A MHR Music2 44K

The stream in the example above will load the 2 channel music preset. Use of the “Assign” key will store a new preset as the 2 channel music default.

When using the PC application, users can select which source they wish to use for their multichannel link (the ‘enhanced source’), as well as easily defining which preset to use for each stream type. See page 80 of the *861 User Guide*.