

Meridian 861 Diagnostic Displays.

Normally the 861 has the following display options;-

	Blank	
CD	Trifield	65
CD	Trifield	-22
CD	PCM	44k

In addition there are options for Multiroom source displays and diagnostics. To switch diagnostic displays on or off, hold down the COPY button (in standby) until the 861 responds by displaying 'Diagnostics on'. Once activated there are three additional displays available when pressing the DISPLAY button, these are;-

FIFO diagnostics
DSP diagnostics
SETUP diagnostics

FIFO diagnostic displays

The numbers shown represent various important parameters used by the data locking device. The most useful for diagnostic purposes are the highlighted characters.

FIFO 99 TFD080212 01

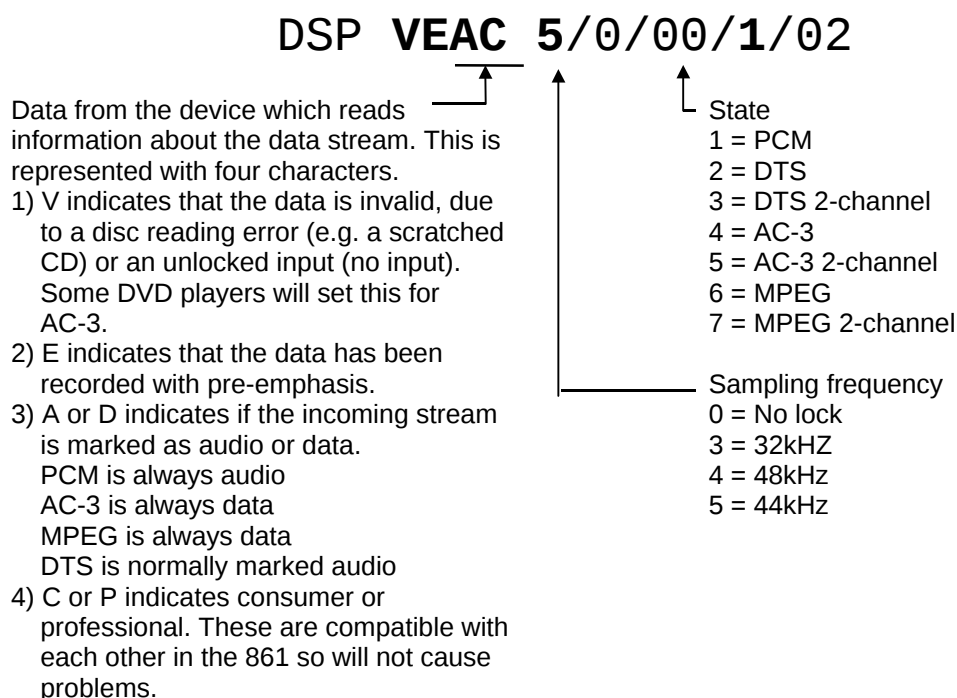
————— ↑
This character will be F or X .
F means that the 861 is reclocking
the input data in order to eliminate jitter.
X means that the 861 is not reclocking.
This is either because the source has a
poor clock or the sampling frequency is
32kHz.

————— ↑
These four figures show how
much of the input buffer is being
used. It continually changes in
value as the 861 reclocks the input
signal. If the numbers reach zero
or become very large then F will
change to X. This may happen
during playback and will result in
an audible glitch.

If a digital source frequently causes a glitch during playback then it is worth checking this display. The four figure number may be varying over a wide range while that source is selected, meaning that at some time F will switch to X. It is possible to pre-empt this by configuring the 861 to switch to X whenever that source is selected. To do this go to the advanced section of the sources menu and tick the box 'poor digital audio source'. The 861 will no longer try to reclock that source.

DSP diagnostic displays

This set of figures show how the DSP controller is interpreting the incoming data stream.



Setup diagnostic displays

These figures are an encoded description of the speaker setup and layout. They are duplicated from the 'advanced' speaker layout section of the Meridian 800 series configuration program. All letters correspond directly to those of the 565 layouts.

