TECHNICAL NOTE

DiGiCo UK Ltd
SOUNDTRACS

Date: (revised 13 Mar 12)
Raised by: TC
Distributed to: As required

REF 114

MARK 2 MADIPOD - RACK MADI AND OPTOCORE® DIGITAL INTERFACE

FRONT PANEL MENU AND DISPLAY OPERATION
(for firmware embedded in D5 V3+, D1 V1.2+, DS-00 V1.7+)

There are 2 pairs of up/down buttons, page and data and an LED display.

The default display is the primary system status and active sync input. Typically this will read OK:::RxA

Primary status indication

character 1&2 System status
"OK" if the rack is synchronised and everything functioning normally
OK will blink to show incoming madi or optical data is present and the input locked.
This blinking OK is easily visible form a distance.
Note: If the OK is NOT blinking the rack is not locked to incoming audio.
"ER" if a SYNC error or otherwise has occurred

character 3 Available sync sources
A dot (pixel) displays sync bits for slots 1:7 (i.e. available digital sync source) as well as Rx
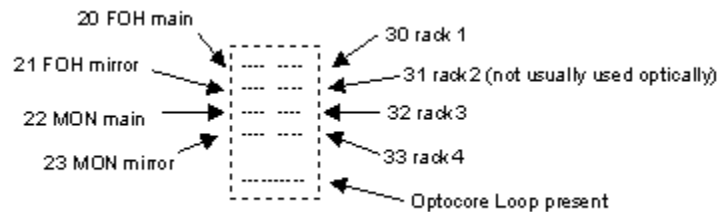Optocore, Madi A, Midi B and Word Clock.

character 4   Optocore status/presence bits character...........................

Left hand bars represent   Right hand bars represent

Engine IDs 20, 21, 22, 23 present   Rack IDs 30, 31, 32, 33 present

Long bar at bottom indicates a complete loop or the complete absence of optical connections.
This is not illuminated if the optocore loop is broken.

Note older versions of rack firmware have a similar arrangement but with different lines locations and no
loop indication.

character 5,6&7 sync source

> This always displays the signal source to which the rack is synchronised.
>
> MST rack is MaSTer sample clock generator
> OPT Optocore input
> RxA Madi A Input
> RxB Madi B Input
> WCK Word ClocK input
> Isc Socket Input, s=slot 1:14, c=chan 1:8

character 8 current routing (Audio) mode set - displays port selected for routing audio to output sockets.

> o Optocore input routes to Op sockets.
> a Madi A input routes to Op sockets.
> b Madi B input routes to Op sockets.
> L Loopback. Each port returns what it receives. Optocore, Madi A and B.
> s Oscillator signal is sent to EVERY output channel - Madi, Optocore, Sockets.
> m Mapped mode.

Typical displays are therefore

```
O K … == OPTo
```

Optical rack with 2 mixers and 2 racks, Optical is both sync and audio source

```
O K …  R X A a
```

Local rack connected on rack "main" port ("RXA" is sync source, "a" is the audio source)