

Menu 1 – AUD
Audio levels

Unlock function: N/A

1.1 L (FM left channel bar)
Left channel modulation depth

1.2 R (FM right channel bar)
Right channel modulation depth

1.3 L+R (add level bar)
Left and right channel added, used to see MONO content level

1.4 L-R (Subtract level bar)
Subtracted channels, used to determine amount of STEREO content
Should be zero if audio content is MONO

Menu 2 – AVG
Average audio values

Unlock function: N/A

1.1 DS (dynamic span)
Audio dynamic envelope level

1.2 MS (maximum dynamic span)
Audio dynamic envelope level maximum

1.3 A (left channel A/D)
Left and right channel added, used to see MONO content level

1.4 B (right channel A/D)
Should be zero if audio content is MONO

1.5 A+B (add L+R A/D)
Left and right channel added, used to see MONO content level

1.6 A-B (subtract L-R A/D)
Subtracted channels, used to determine amount of STEREO content

Menu 3 – A/D
Direct A/D audio levels

Unlock function: N/A

Note: for debugging only

1.1 FM left channel A/D
Left channel modulation depth

1.2 FM right channel A/D
Right channel modulation depth

1.3 FM L+R additive A/D
Left and right channel added

1.4 FM L-R subtractive A/D
Left and right channel subtracted

MD3

1.5 FM L+R additive A/D

Supply voltage measured at USB plug

1.6 FM L-R subtractive A/D

Supply voltage A/D value, LOW register

Menu 4 – FM
FM receiver info

Unlock function: N/A

1.1 FM RSSI

FM RSSI value shows a level of FM signal carrier, highest is the best

1.2 MPATH

Shows amount of reflected FM signal at antenna, as lowest is the best

1.4 SNR

FM signal to noise ratio, as highest is the best

Menu 5 – DTD
DTMF decoder info

Unlock function: activate/deactivate DTMF decoder

1.1 DTMF Min

Minimum amount of DTMF chars in a burst that activate triggering

1.2 Rx code

Last received DTMF code

1.3 Max

Maximum chars in a burst; if reached, decoding stops and report

Menu 6 – GSM
GSM module info

Unlock function: scrolls quick log in last line; pressing force GSM reboot

1.1 Rt

Value in seconds since last report sent

1.2 -- (last line)

Scrolls GSM settings for network connection

1.3 W

GSM watchdog value in seconds, force reboot module if MAX reached

1.5 Re

Display last received status from GSM module

Menu 7 – MUX
Analog multiplexor

Unlock function: changes multiplex configuration, binary, 8 states

1.1 DTMF

Decoder input channels; L+R or L-R available

1.2 GSM

Audio input on GSM module; DTMF(1.1) or L/R(1.4) pre-hearing

1.3 State	Displays DTMF state from Menu 5; available: ON/OFF
1.5 Audio	Switches between L or R if GSM LR pre-hearing selected

Menu 8 – SYS
System values

Unlock function: saves all changes; if MDID blinks, values NOT saved

1.1 T	Module internal temperature
1.2 H	Module internal humidity
1.4 -- (MDID)	Module ID; values not saved if blinks; changes were made
1.5 -- (GSM module date)	GSM internal RTC date; if wrong, network does not provide this service
1.6 – (GSM module time)	GSM internal RTC time; if wrong, network does not provide this service

Menu 9 – CTR
Internal counters

Unlock function: resets report and statistics counter

1.1 LM	local MONO time [s]; resets with stereo carrier detection
1.2 RM	Remote MONO time [s]; resets when MONO content is not in audio
1.3 RQ	Remote quiet time [s]; increase if quiet in audio stream is detected
1.4 RN	Remote noise [s]; increase when noise detected over STEREO carrier
1.5 AVG	Statistic counter; statistics calculation period
1.6 --	System uptime; dd/hh/mm; maximum 9days59min59ses