Menu 0 Last trigger statistics

 0.1 DTMF received
Displays DTMF code as it was received
0.2 DTMF decoded
Displays DTMF code as it was decoded
0.3 LFC time decoded
Length [ms] of LFC carrier as it was detected
0.4 Last activation
Time [s] since last trigger activation
0.5 Trigger status
Mx0 missing chars; Wr wrong chars; Ux unrecoverred; Lc LFC error
0.6 Triggered spot
Triggered spot number as it its index in filename on removable media
0.7 Last time played
Last spot playing time, include all delays from system
0.8 Maximum playing time
Maximum playing time of triggered spot. It is defined for Code 1/2 in 8.5
and 8.6 and for Code 3 (manual trigger) is hard-set to 30s. After this
time, playing (and transmitting) is forced to stop for security

Menu 1 Overall statistics

1.1 Code_001 activated	
Code 001 triggers since last re	boot or since Up-time 00:00:00:00
	-
1.2 Code_002 activated	
Code 002 triggers since last re	boot or since Up-time 00:00:00:00
1.3 DTMF missing chars	
Missing chars since last reboot	or since Up-time 00:00:00:00
	·
1.4 DTMF wrong chars	
Wrong chars since last reboot	or since Up-time 00:00:00:00
	·
1.5 Allowed errors exc.	
Allowed errors exceeded sir	nce last reboot or Up-time 00:00:00:00
	e and user can define how many of them
	g variable "DTMF allowed errors in 3.4
	-
1.6 LFC errors	
LFC errors since last reboot or	Up-time 00:00:00:00
1.7 False characters	
False characters detected single	ce last reboot since Up-time 00:00:00:00
	of chars received in number less than 3 in
period less than 4sec. Those a	
u.	·
1.8 Up-time	
 System uptime; resets while re	boot or power-up

Menu 2 Transmitter settings

2.1 Tx idle frequency

Transmitter "idle" frequency [kHz]; Means PLL frequency when transmitter is off. This is used for parking PLL off the receiving frequency to avoid interfere FM receiver. Range from 87500 to 108000

2.2 Tx out frequency

Transmitter "broadcast" frequency [kHz]; Range from 87500 to 108000

2.3 Power soft attack

If set to "ON", Tx power rises slowly to desired value preset in 2.4; Usually rises for a few seconds to reach desired value. If set to "OFF", Tx power starts in full within a few hundred miliseconds.

2.4. Output power

Desired output power regulated and measured at the transmitter output

2.5 Transmitter volume

Transmitter audio volume, regulated at input of the FM modulator; For maximum volume set to '32'

2.6 Fallback power

Transmit power used when antenna issue detected; Measure return power value exceeds value in 9.27.2; Note: this value does no represents watts or SWR, its just na A/D value representation. Value of "10" equals cca SWR 1,5

Menu 3	
Trigger settings	

settings		
	3.1 Trigger code 1	
	Code 1 value, only 9 last chara	acters allowed
	3.2 Trigger code 2	
	Code 2 value, only 9 last chara	acters allowed
	3.3 Trigger method	
	Method used for triggering,	last version supports DTMF only. If
		O used to trigger spot when DTMF code
	and LFC presented simultaned	pusly
	3.4 DTMF allowed errors	
	Maximum amount of errors in o	detected code to decode it as a valid
	3.5 LFC min. time	
	Minimum time of LFC carrier no	ecessary to decode LFC as valid
	3.6 DTMF max. time	
	•	ctivation since first character is received. rs recognition. If they recognized, this

Menu 4Receiver settings

4.1 Rx frequency
Receiver frequency, FM receiver frequency to listen for code
4.2 Rx AGC
Receiver automatic gain; 0 = automatic
4.3 Rx pre-amp
Receiver preamplifier ON/OFF
4.4 Rx pre-amp gain
Rx preamplifier gain; +9db/+6db
4.5 Rx volume
Receiver volume; 63 = max
4.6 Rx force mono
 If set to "on", receiver is set to MONO

Menu ! Sytem sett	
Sylein sell	nigs
	5.1 Factory settings
	To load factory settings, use following sequence:
	- set "Factory settings" to 1
	- save settings in menu 5.6
	- reboot device
	5.2 Power save
	Activate power saving in [s]; 0 = off; 255=maximum
	Note: this action does not affect decoding and other functionality
	5.3 Wake-up on trigger
	If set, module wakes from "Power save" mode when trigger activated
	5.4 Auto lock
	Automatic screen lock in [s]; 0 = off; 255 = max
	5.5 Lock when transmit
	Automatically lock the screen when transmit to prevent issues
	5.6 Save settings
	Save all settings to internal Flash memory

Menu 6 Advanced settings 6.1 Ventilator assign Assign all fans to adequate temperature sensors and sets their priority For detailed settings check "SubMenu 20: Ventilator assign procedure" lin attachment 6.2 Banned codes Sometimes there are DTMF characters used in third party airings. If periodically such codes occurs, they may be pyt ont the blacklist to remoe them from "wrong codes" statistics 6.2.1 Blacklist enable 21.1 Blacklist record activating. Each position represents bit in entered value; left justified. 0 = all unused; 1 = first allowed; 2 = second allowed; 3 = allowefirst and second allowed; 9 = first and fourth allowed 6.2.2 – 6.2.6 Banned codes 21.2-21.6 Enter DTMF codes to be banned as they appears in decoder

A	
6.3 Adv.Rx/MP3 settings	
Some tunning variables for receiver and MP3 player	
J	
6.3.1 High freq. cut off	22.1
Lowpass filter for FM receiver, use values 0 (off) to 6	
6.3.2 Chan. Filter bandwith	22.2
Bandwith for filter, use values 0(off) to 6	
6.3.3 Deemphasis	22.3
Deemphasis 75us for EUROPE, 50us for US countries	
6.3.4 Force FM stereo	22.4
Force FM stereo output as long as stereo carrier detected	
6.3.5 MP3 volume	22.5
MP3 player output volume, maximum value 35	22.5
MF 3 player output volume, maximum value 33	
6.4. Timming functions	
Functions that rely on time	
6.4.1 Hibernation ON	23.1
Start time for mode when triggering is OFF, low power mode	
6.4.2 Hibernation OFF	23.2
End of low power mode, triggering activatted	
6.4.3 Daily report at	23.3
The time for full report sending, this time should be inserted within	
Hibernation time 6.4.1 and 6.4.2	
6.4.4 Force online trigger	23.4
Trigger report after playing stops; 0 = off; time[s] = delay after play	25.4
ingger report and playing crops, of only amolej areas, and play	
6.4.5 Automated trig. Period	23.5
Period [s] for repeated playing and transmitting spot in 6.5	
6.4.6 Set D/T	23.6
Manually set date/time; value is stored automatically. GSM overrides	S.
6.5 Auto trigger spot	
Number of the spot to be played if automated trigger 6.4.5 activated	
000 = off; 001 = play spot 001_xxx.mp3	
6.6 Display calibration	
Enter menu for TFT display touch calibration procedure	

Menu 7 Security and protection

7.1 Report temp. alarm
Not supported in current version
7.2 Force Tx_FAN2&4 ON
Minimal value of FAN2 and FAN4 power when transmitter is ON
7.3 Shutdown temperature
If any temperature reaches this value, transmitter shut down
7.4 Shutdown humidity
If humidity reaches this value, transmitter shut down
7.5 Security code enable
 Enable locking screen PIN
7.6 Security code
Security PIN code (default 123)

Menu 8 Playback settings

8.1 Code_1 DTMF spot	
Number of the spot to be playe	ed if Code1 activated
8.2 Code_1 LFC spot	
Number of the spot to be playe	ed if Code1 and LFC carrier activated
8.3 Code_2 DTMF spot	
Number of the spot to be playe	ed if Code2 activated
8.4 Code_2 LFC spot	
Number of the spot to be playe	ed if Code2 and LFC carrier activated
8.5 Code_1 max. length	
Maximum playing length of spo	ot 001_xxx.mp3 [s]
_	
8.6 Code_2 max. length	
Maximum playing length of spo	ot 002_xxx.mp3 [s]
Maximum playing length of spo	

Menu 9 Various settings 9.1 Event browser Show full log of trigger activities as they saved in FLASH memory For detailed description see Submenu "24 - Event browser usage" 9.2 Logger settings Quick access to the serial console log with main commands 9.2.1 !EE! Perform erasing trigger log and resets pointers 9.2.2 N/A Not supported in current version 9.2.3 RST Resets GPRS module, full reset takes up to 30s 9.2.4 CMD Used to manually enter command number. See "Serial console commands and logging" attachment for details 9.2.5 K? Command "K"; K = 0 for simplified logs; K = 1 for detailed logs 9.2.6 CLR Clears LOG screen and reset pointer 25 9.3 Connection settings Displays GPRS current settings by clicking to particullar black frame

commands to configure GPRS module

Note: configuration cannot be performed from this menu. Use console

 9.4 Extra events	26
Various activities settings	
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Hour and minute of the day when time synchronize performed	20.1
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Number of non-response seconds from temperature sensors al	lowed
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Number of seconds to wait for response from Tx before reboot	
D. 4.C. MPO elleman etch	20.0
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Number of sherice seconds from Mr-3 before playing is forced to	ο διορ
9.5 Advanced Tx settings	
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Delay to activate transmitter allowing PLL tunning from idle to T	x freq.
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Not supported in current version	21.4
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Not supported in current version	
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9.6 BlackBox ID	
Enter value in decadic form; displays in HEX	