

MANUAL UGLYBOX MKII



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W-DMX UglyBox MKII User Manual

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Subject to modifications.

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OPERATION OF UGLYBOX MKII:

To power up the UglyBox, press the button for 3s and the display will turn on. When the unit is powered on, the button will always get you to the main screen.

Use UglyBox as Transmitter:

- Select the WDMX menu and setup the UglyBox as transmitter
- Select the output radio mode and output power

In the main menu, link or unlink your receivers, you have also access to a simple faders to set the DMX level in the DMX out screen.

Use UglyBox as Receiver:

- Select the WDMX menu and setup the UglyBox as receiver

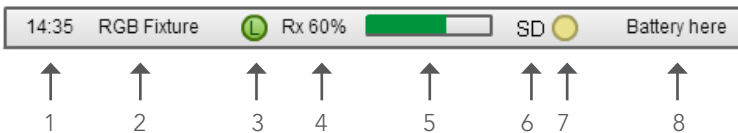
Link the UglyBox from the desired transmitter as you do with any W-DMX Receiver.

There are 4 ways to track the radio reception:

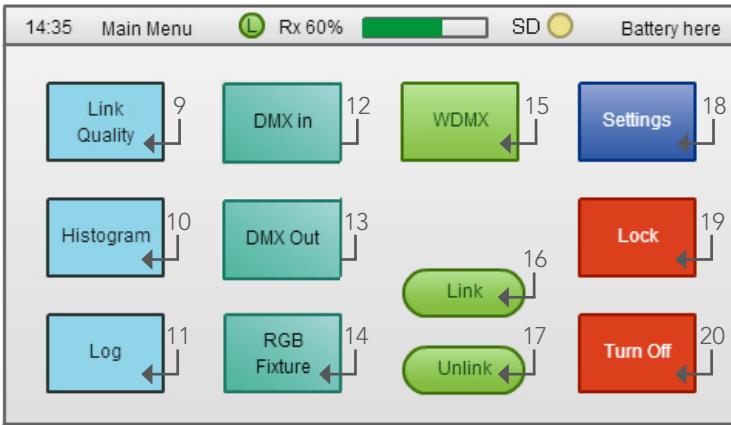
- In all menus, the momentary reception is displayed in the title bar
- Link Quality, shows the momentary reception
- Histogram, shows the reception over a selected period of time
- Log, if you have an SD card, you can setup the UglyBox to Log the reception level, either automatically on a periodically basis or manually. When you log the reception level automatically, you can insert extra points in the log file by pressing "Add Point", that is the operation when you have the manual log as well.

The UglyBox has also the possibility to show the DMX levels or function as an RGB fixture.

MENU A - "MAIN MENU"



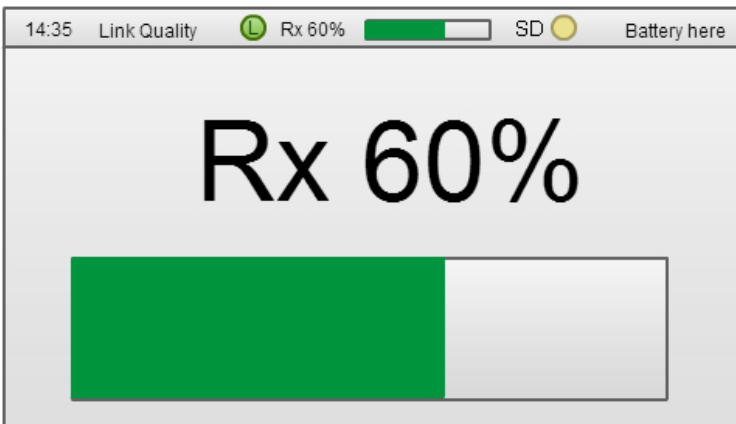
- 1: Display current time, can be set in Settings | Time
- 2: Title of current menu screen
- 3: Indicate if the automatic log function is active (indicated with green background)
- 4: Indicate mode and reception level (if rx)
- 5: Indicate reception level (if rx)
- 6: Indicate status of SD card: White; working SD card, Red flashing; SD card not present, Yellow (flashing?); SD card present but not working
- 7: Indication of OEM LED from radiocard
- 8: Indiation of battery level



- 9: Open Link quality screen (Active when UglyBox is receiver). (See "Menu B")
- 10: Open link histogram screen (Active when UglyBox is receiver) (See "Menu C")
- 11: Open Log configuration screen (Active when UglyBox is receiver) (See "Menu D")
- 12: Open DMX input screen (Active when UglyBox is transmitter) (See "Menu G")
- 13: Open DMX output screen (Active when UglyBox is receiver) (See "Menu F")
- 14: Open RGB fixture screen (Active when UglyBox is receiver) (See "Menu H")
- 15: Open W-DMX Settings screen (See "Menu E")
- 16: Link receiver to this transmitter (Active when UglyBox is transmitter)
- 17: Unlink all receivers (Active when UglyBox is transmitter) or unlink this receiver (Active when UglyBox is receiver)
- 18: Open settings menu (See "Menu I")
- 19: Activate lock function, need a pin code to lock the unit. The pincode is displayed and set in the Settings | Power | pin code screen.
- 20: Turn off the unit

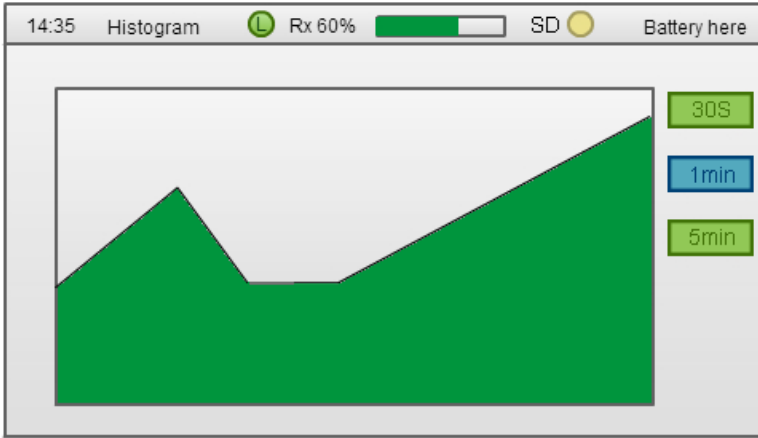
MENU B "LINK QUALITY"

Shows reception level in % and as a graphical bar, same information as the top status bar always visible.



MENU C “HISTOGRAM”

Shows reception level in % over time, time can be set to 30s, 1 minute or 30 minutes time.

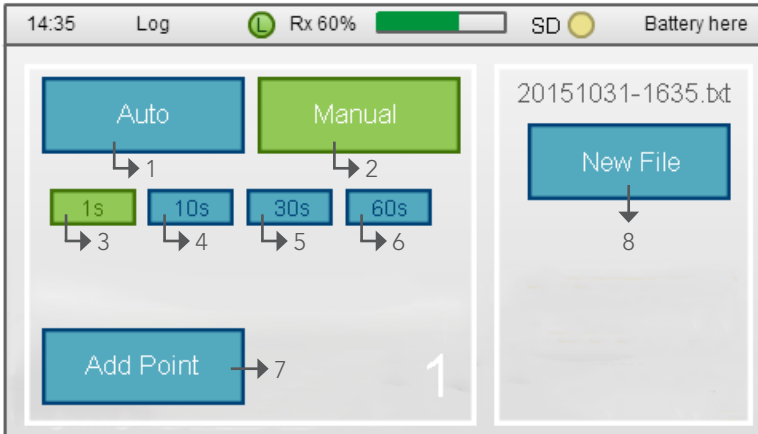


MENU D “LOG”

Configuration for log file. The log file is a text file that contains the following information:

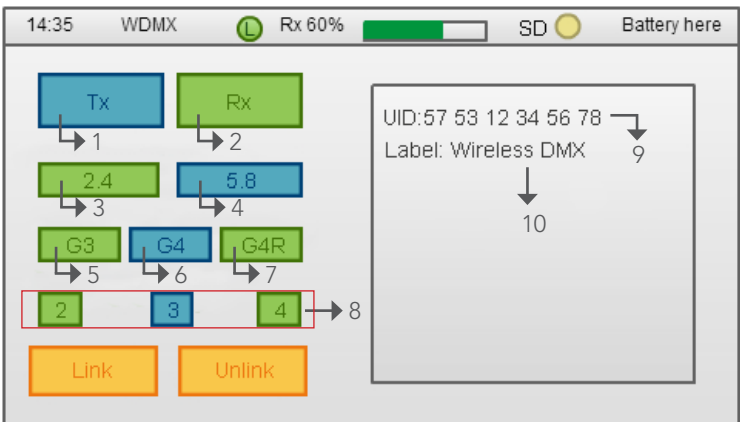
{Point number},{Date},{clock},{Link info },{reception}

Where {Point number}:	4 digits
{Date}:	YYYY-MM-DD
{Time}:	HH:MM:SS
{Link info}	1 if there is a link, 0 if there is no link
{reception}	In percent, 3 digits



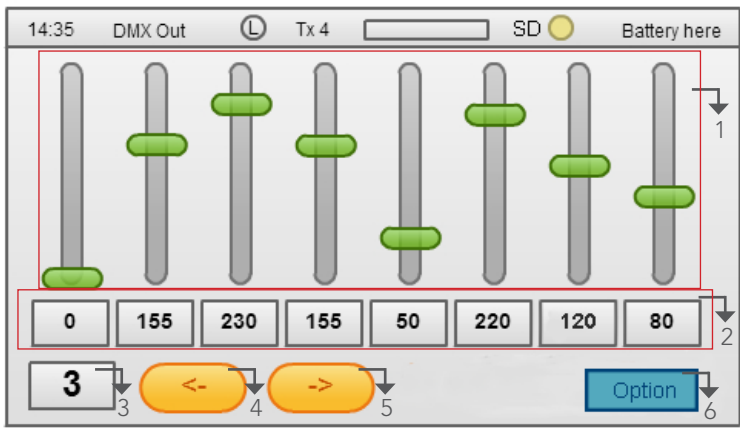
- 1: Select automatic logging, one point is added each time interval
- 2: Manual logging, points are added to the file when “Add Point” is pushed
- 3-6: Set log interval
- 7: Add an extra point in the log, if automatic, that will be added between the automatic points
- 8: Create a new file, the file name has the format YYYYMMDD-HHMM.txt at the time of creation.

MENU E: "WMDX"



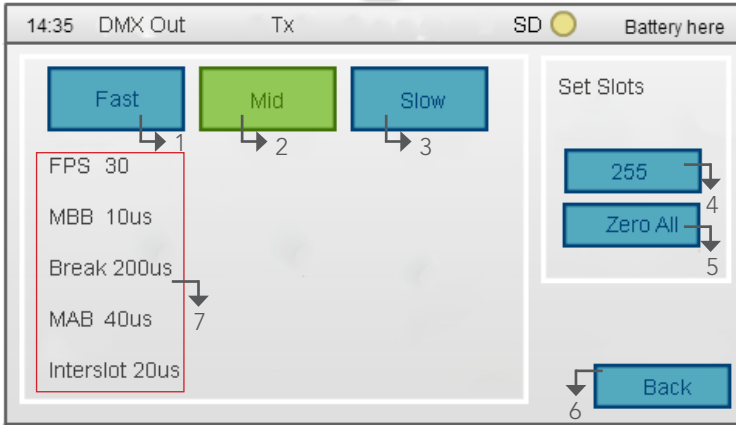
- 1: Set the radiocard in TX mode
- 2: Set the radiocard in RX mode
- 3: Select 2.4 GHz band as TX
- 4: Select 5.8 GHz band (if available) as TX
- 5-7: Select radio mode as TX
- 8: Select output power as TX
- 9: Radio card RDMUID
- 10: Radio card label

MENU F: "DMX OUT"



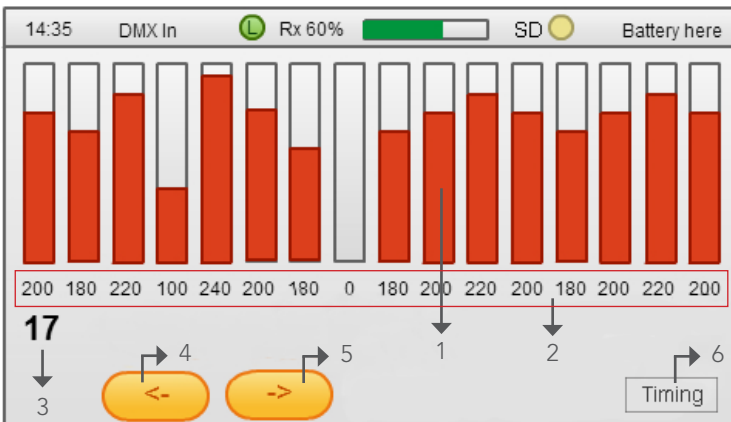
- 1: Faders for simple DMX controller
- 2: Numbers to indicate or set DMX level
- 3: Start address, press to enter a number
- 4: Decrease start address
- 5: Increase start address
- 6: Enter option menu for timing and to set all DMX channels (See "Menu F2")

MENU F2: DMX OUT TIMING



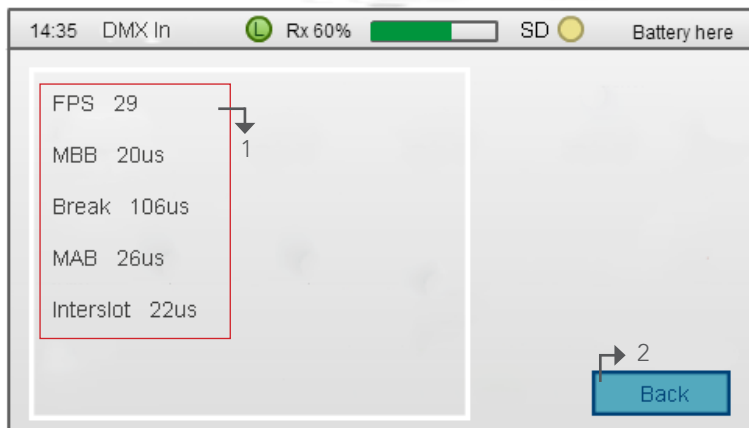
- 1: Select fast DMX output
- 2: Select mid DMX output
- 3: Select slow DMX output
- 4: Select all slots to a specific value, a keypad is displayed to set the DMX value
- 5: Set all slots to 0
- 6: Return to DMX Out screen
- 7: Displays the timing values used for the selected timing setting

MENU G: "DMX IN"



- 1: Graphical representation of DMX value
- 2: Decimal representation of DMX value (0 – 255)
- 3: Start address of view, press to set
- 4: Decrease start address
- 5: Increase start address
- 6: View timing information

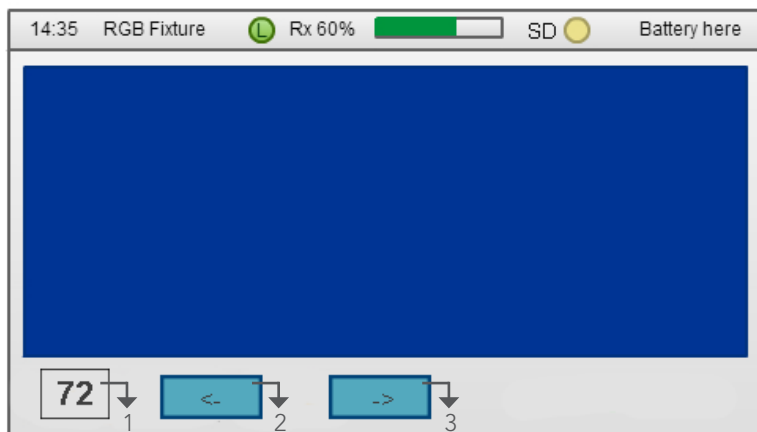
MENU G2: DMX IN TIMING



- 1: Displays the timing values read on the output
- 2: Return to DMX In screen

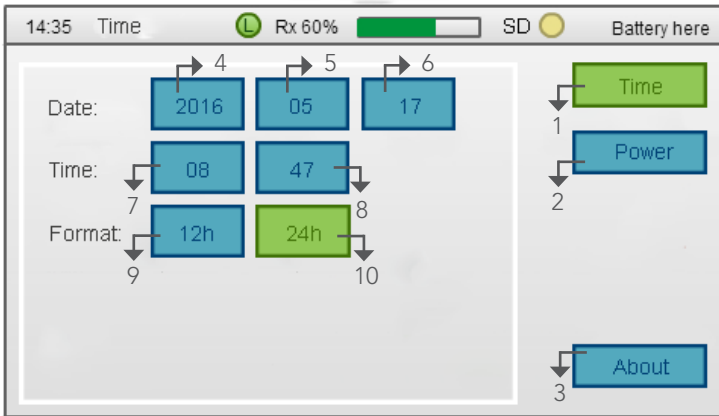
MENU H: "RGB FIXTURE"

The display acts as an RGB fixture



- 1: Start address, press to change
- 2: Decrease start address
- 3: Increase start address

MENU 1: SETTINGS | TIMING “TIME”

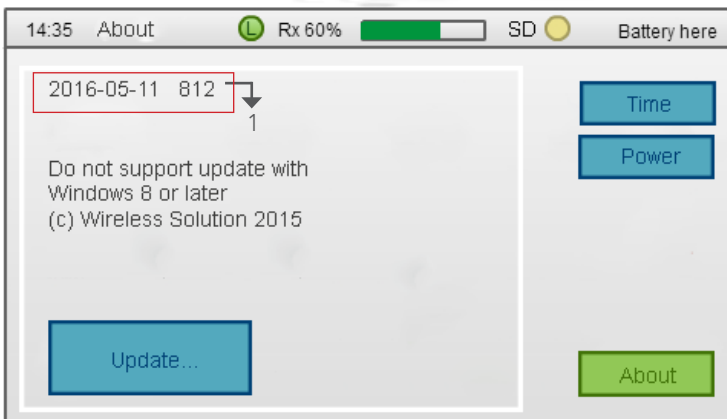


- 1: View the Time settings
- 2: View the power settings (for Ugly Box, not for radiocard)
- 3: About window
- 4: Press to change year, a keypad is displayed to set the year value
- 5: Press to change month, a keypad is displayed to set the month value
- 6: Press to change date, a keypad is displayed to set the date value
- 7: Press to change hour, a keypad is displayed to set the hour value
- 8: Press to change minute, a keypad is displayed to set the minute value
- 9: Press to change to 12h format
- 10: Press to change to 24h format

MENU 2:

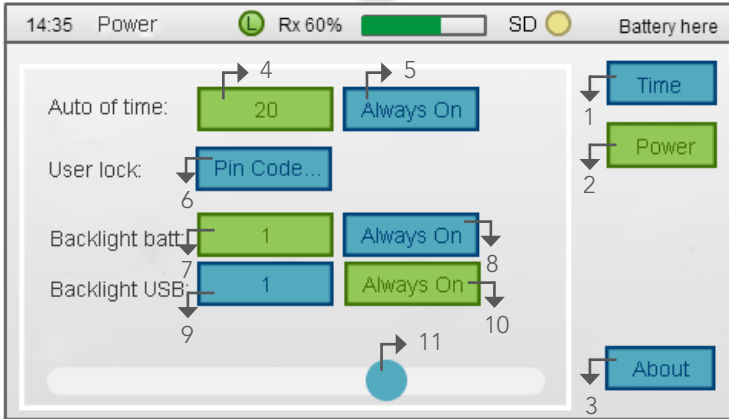
Display basic information about software version.

If connected to a PC, select “Update” to upload new firmware file from a PC computer, not running Windows 8 or later.



1. Software date and revision

MENU I 3: SETTINGS | POWER “POWER”



- 1: View the Time settings
- 2: View the power settings (for Ugly Box, not for radiocard)
- 3: About window
- 4: Press to select automatic turn off time, you get a keypad to set the time in minutes
- 5: Press to always have the unit on
- 6: Press to view and change the pin code used for Locking
- 7: Set the timeout for backlight when running from battery, a keypad is displayed to set the time in minutes
- 8: Turn off the timeout for backlight when running from battery
- 9: Set the timeout for backlight when running from USB power, a keypad is displayed to set the time in minutes
- 10: Turn off the timeout for backlight when running from USB power
- 11: Select the backlight intensity

TECHNICAL DATA

Electrical data	
Regulation complied with	Certified Worldwide (FCC, ETL, ETSI, CE, Japan, Russia)
High voltage input	Uac = 90 – 250V (external power supply)
Low voltage input	Udc = +5V
DC power supply	micro USB
Dimensions, width x height x depth	180 x 100 x 45mm
Weight	800 g
Environmental conditions	IP44
Ambient temperature range	0 deg C to 50 deg C
Humidity	90%
Input protocols	N/A
DMX512	Yes
RDM	No (radio card support, but no UglyBox support)
Ethernet No	N/A
Loss of data behavior	As wire
Output protocols	N/A
DMX512	Yes
RDM	No
Ethernet	No
Radio technologies	W-DMX
2.4 GHz	Yes
5.8 GHz	No
Adaptive Frequency Hopping	Yes
W-DMX G3 compatibility	Yes
License free	Yes
W-DMX Datasafe Redundancy	Yes

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