

ATS-Decoder Mega H-RADIO 4.2



Main technical characteristics of the receiver:

Frequency ranges: 132 kHz - 30000 kHz AM, SYNC, SSB, CW, DIGI 64 MHz - 108 MHz FM with RDS function Digital mode decoder: FT8, FT4, PSK, RTTY Touch display: 480x320 pixels Dimensions: 115x85x30 mm Battery: 4000 mAh WiFi USB Type-C 3.5mm headphone jack SMA connector for connecting an external antenna Stereo speakers

Equipment:

- Receiver
- telescopic antenna
- wifi antenna
- USB charging cable
- stylus

Indicators and panel quick start

- S-meter (press to change view and switch to the histogram or "waterfall" mode for the low-frequency signal, press and hold to turn metering on/off RSSI/SNR signal quality, use for
- reduce digital noise)
- volume (press to turn sound on/off)
 SQ indicator of a working squelch
 MF simultaneous function indicator
 listening to multiple frequencies (page 5)
- indicator panel for switching on circuit elements (click to display control buttons) (page 3)
- Wi-Fi connection (tap to turn on/off) indicator color:
 - green connection active
 - orange no Internet connection
 - red connection error
 - gray no available networks
- battery charge level (tap to display in percentage or volts)
 "lightning" is displayed while the battery is charging
 as the charge level decreases, the color changes to yellow and red



Status panel

- use of BFO generator for fine tuning to frequency
- automatic gain or attenuator
- LF bandwidth
- range
- modulation
- setup step

Main screen (FM band)

- tuning frequency in MHz (press and hold to switch between VFO A/B)
- signal quality:
 - RSSI level
 - SNR signal to noise ratio
- stereo broadcast reception indicator in range FM (press to turn on/off stereo reception)
- current date and time
- RDS information (station name, text and program type)



Main screen

BFD	GAIN AGC	FILTER 2200
BAND 20M	MODE USB	STEP 1
VFO B		
0 н	z BFO	VFO A
MAR	1011	101
	0.0.0	202
DIGI		kHz
AGC	MUTE	MODE
ATT	VOL	HEXT
	TUNE BFD BAND 20M UFD B 0 H Digt Digt	TUNE GAIN BAND BAND VFO B Hz BFO Hz BFO Digr AGC MUTE ATT VOL

012345	6789+10	+30 +50	TUNE BF0	gain AIEC	FILTER AUTO
SO VOLUME	NF BT LOCK	- -	BAND FM	MODE FM	STEP
RSSI 44 d	dBuV S	SNR 19 dB	VFO B		STEREO
1.12	14		97,6	F MF M	VFO A
24 MAR 2024 VESTIFM					
>> UP	SCAN	SETUP	RDS	MEMO	CS
<< DN	LIGHT	INFO	FM	RETRO	BACK

Main screen (SSB modulation)

- tuning frequency in kHz (click to directly set frequency without using BFO offset, color the numbers will change to white)
- indicator of a variable digit in the frequency when tuning (click on the corresponding digit to installations)
- indicator of the passage of waves on the selected range (information obtained from the Internet), color indicator shows the quality of passage (red bad, yellow average, green good)
- information about the type of amateur radio communication used in the current range section

Buttons

- HAM selection of amateur radio band (page 6)
- BAND selection of broadcast band (page 6)
- FREQ frequency setting / simultaneous mode
- listening to multiple frequencies (page 5)
- STEP selection of tuning step (page 6)
- BANDW selection of bass bandwidth (page 6)
- MODE modulation selection / decoder modes (page 6)
- VOL / MUTE volume control (page 4)
- AGC on/off automatic gain (page 4)
- ATT attenuator control (page 4)
- BFO control of BFO oscillator (page 3)

- UP search for broadcast station up in frequency
- DN search for broadcast station downward in frequency
- SCAN range scanner (page 8)
- LIGHT display brightness control (page 19)
- MEMO memory of stations and cities (page 9)
- RETRO retro receiver scale (page 12)
- CB civil band CB channels (page 11)
- FM fast switching of saved stations
- FM band of current location (page 11)
- RDS on/off RDS functions
- SETUP device settings (page 13)
- **INFO** information about the device, settings and passing waves (page 17)
- NEXT / BACK switching between pages



Quick start panel / BFO generator





Panel for quick inclusion of circuit elements

Called up by clicking on the panel indicating the inclusion of circuit elements. - **LOCK** locks the touch screen and encoder (press to open the lock panel)

Lock panel

- **SCREEN** enable touch screen lock, use to block accidental taps on the screen (can also be used to reduce your own digital noise)

- FREQ on/off encoder rotation lock
- The locks are disabled by pressing the encoder button.

0 1 2 3 4 5	6 7 8 9 +10	+30 +50	tune 25 Hz band 20M	gain AICC Mode USB	FILTER 2200 STEP 1
RSSI 40 c 24 M 202		SNR 0 dB	UFO B H:	z (850) 174 124	VFO A
			:4	070.00	kHz
HAM	BAND	FREQ	AGC	MUTE	MODE
BFO	STEP	BANDW	ATT	UDL	NEXT

BFO generator

To fine tune to the transmitter frequency in SSB mode, use a BFO generator. Entering the oscillator trim mode is available for each amateur radio band using BFO button or long press the encoder button.

In this case, each range retains its own BFO frequency value.

The adjustment frequency value varies from -1999 to +1999 Hz. The adjustment step is displayed on the status panel and can be changed by pressing the STEP button.

Resetting the BFO frequency to default value is done by long pressing the frequency.



10 50 50 VOLUME			TUNE BFD BAND	GAIN AIGC MODE	FILTER AUTO STEP
RSSI 41 d	iBuV S	SNR 25 dB	VFO B	FM	STEREO
1 13	58		VEST	I	VFO A
24 N 202	1АЯ :4		37.	88	MHz
		٧E	STIFM		
HAM	BAND	FREQ	AGC	MUTE	MODE
BFO	STEP	BANDW	ATT	VOL	NEXT

1 Sa COLUME	RF	ATT	TUNE BFO BAND FM	GAIN ATT 1 MODE FM	FILTER AUTO STEP 100
RSSI 41d	BuV S	SNR 26 dB	VFO B		STEREO
1 12	25		VE,6	I FM	VFO A
24 M 202	1АЯ 4	9	8A,	58	MHz
		Ново	ости 🖊		
HAM	BAND	FREQ	AGC	MUTE	MODE
BFO	STEP	BAHDW	ATT	VOL	NEXT

Volume control

To control the volume, press the VOL button or the encoder button once.
To mute the sound, press the MUTE button or the volume indicator.
To automatically mute the sound when there is no station signal, use the squelch.
To adjust the squelch level, press in volume control mode to the value volume or once on the encoder button. The squelch level bar will be highlighted. brighter and can be adjusted using an encoder.
Squelch is not available for SSB mode.

Auto gain and attenuator

Use the built-in attenuator to control signal gain. Entering control mode

the attenuator is performed by pressing the ATT button. Set the required value using the encoder attenuator level to eliminate overload at the RF input. The higher the value, the weaker signal amplification.

Press the ATT button again to exit the attenuator adjustment mode. The set level will be displayed in the status bar.

Press the AGC button to enable automatic signal gain. The status bar will display corresponding indicator. Press the AGC button again to set the maximum level gain. The corresponding indicator in the status line will be extinguished.



012345	6789+10	+30 +50	TUNE BFD	gain HEC	AUTO	
SQ VOLUME	ME BT LOCK	100%	BAND FM	MODE FM	STEP	
	ЧАСТОТА					
			E FI	MHT		
7 45	0		1	CODAL	neesing)	
/ 40		KHZ	× 1	- SIGHIN	CENIOSE	
1	2	3	4	5	-	
e	-	E.	<i>T</i> I	C.	CIV	

	СПИС	ок ска	аниров	вания	
745	50.00 ĸ	Гц	41M		AM
		752	0.00		
		пγ	сто		
		пγ			
F	ADD	DEL	SCAN	MODE	E

Direct frequency entry buttons

Press the FREQ button on the main screen to enter the frequency or set the listening mode several frequencies.

Use the number buttons to enter the frequency. The units of measurement will be selected automatically. Use the dot to enter the FM broadcast frequency.

To delete incorrectly entered numbers, use the \leftarrow | button.

A frequency that cannot be set is displayed in red.

Click OK to set the frequency. The range and type of modulation will be selected automatically.

To exit without changing the frequency, press CANCEL.

Press SCAN to enter multi-frequency simultaneous listening mode.

This mode is not available for SSB.

For each range and type of modulation AM or FM can

be created your own list of 7 frequencies to scan. Range

will be selected automatically according to the entered frequency.

- **MODE** select the type of modulation, if possible
- OFF disables the frequency of the selected slot from scanning
- ADD adding the current frequency to a free slot
- **DEL** release the selected slot
- SCAN start listening.

The sound will be muted and scanning of frequencies from the list will begin. When a signal appears on one of the frequencies, scanning will paused and the frequency will appear in white. Tap the screen to exit the mode.





Bands / Modulation / Bandwidth / Tuning Step



0 1 2 3 4 5 6 7 8 9 +10 +30 +30 0 1 2 3 4 5 6 7 8 9 +10 +30 +30 0 0 00LUNE HF BT LOCK 100001 DH4 H12 100001	TUNE BFO BAND 20M	gain AIGC i Mode USB	FILTER 2200 STEP 1			
модул	пяция					
14 8 9 8 8 8 0 kHz						
14 8 5	0.0	8	kHz			
	N SYNC	U Us	kHz в			

Amateur rac	lio bands	
Broadcast bands		
Lists are availabl The lists contain radio amateur Range boundari setting.ini. Fre INFO section.	le using the HAM and BAND bu frequency ranges allocated for s and radio broadcasting. es can be overridden in the file quency values are available for	ttons. viewing in



To select modulation, bandwidth or tuning step, click the appropriate MODE, BANDW or STEP button on the main screen.

The current range, modulation type, bandwidth and tuning step are indicated in the lists pressed button.

Ranges and types of modulation not available in the receiver configuration are indicated by gray buttons and cannot be selected (see the description of your device).

To exit without changes, click on the frequency.

Types of modulation / decoder of Morse code and digital modes of communication

All possible types of modulation are available for the amateur radio and HF bands. The CWR and CW buttons enable the Morse code decoder. Select the alphabet in the settings (page 14). The DIGI button opens a list of digital communications to launch the corresponding decoder (page 7). When you select a band, the priority modulation type will be turned on automatically.



·	M/Man	4	TUNE BFD	gain AICC	FILTER 1000
	LNR HTZ	100%	BAND 20M	mode CW	step 100Hz
RSSI 40 c	dBuV	SNR 15 dB	UFO B		
120	35		0 H	z BFO	VFO A
24 N	RAN	1 LU		100	3 17 1
202	4		<u>u</u> _	<u></u>	
		Speed WPN CQ	4:14	•	kHz
High	EXALIES	FREC	ACC:	NUL PPE	MODE
FIEIR	BHMD	F 16E93	FIBE	PHO 1E	MODE

0 1 2 3 4 5 6 7 8 9 +10 +30 +50	TUNE G BFO A BAND M 20M U	IAIN FILTER ICC 2200 IODE STEP ISB 1
ДЕКОД	EP DIGI	
:407	10.01	🕴 kHz
FT4 FT8	JT9	JT65
RTTY L RTTY U PE	K HELL	SSTU

Morse code decoder

For successful decoding, align the red mark on the "waterfall" with the signal while adjusting the frequency. Select the volume level so that the signal is clearly visible at the "waterfall" (usually volume 45). The yellow indicator will flash in time with the signal. The decode line displays the decoded characters and words per minute.

Digital mode decoders

To decode RTTY, PSK and Feld-Hell transmissions, align the red mark on the "waterfall" with the signal and adjust the volume. For RTTY L, use the left signal stream, and for RTTY U, use the right signal stream. To manually scroll the RTTY, PSK and FT4/FT8 decoding screen, press SCROLL and rotate the encoder. The SET button for RTTY sets the baud rate to 45.45/50/75 baud. For Feld-Hell, turn on/off anti-aliasing Pictures. For PSK, switches between BPSK31 and BPSK63 modes. In FT4/FT8 decoder it is used to set time manually (page 13).

To move the Feld-Hell picture up or down for For ease of reading, use the SCROLL button. Decoding FT4/FT8 broadcasts requires accurate setting the time. Connect the receiver using Wi-Fi to the Internet or set the time manually. When the time is set, it is displayed in the UTC TIME line. For each FT4/FT8 gear, time, power are displayed signal, offset in seconds from the start of the session, offset frequency from the set one and the transmission data packet.







- FREQ horizontal scale control
- RSSI vertical scale control
- SNR graphics contrast control
 - to control, rotate the encoder or press and hold in the center of the graph to set the default value
- **PAUSE** press to stop scanning and listen to the broadcast turns on automatically when you move the cursor
- STEP press to select the encoder setting step



0123456	789+18	+38 +58	BAND FM	FM	100
SO VOLUME NE	BT LOCK	100% 1		97.8	🗍 MHz
			ЯТЬ Ква		
<mark>25</mark> КОМ	сомо	97.20 М ЛЬСКА	гц FM Я ПРА	FM TH ВДА	IS
26 BECT	ги	97.60 M	Гц FM	FM TH	IIS .
27 ШОК	олад	98.00 M	Гц FM	FM TH	IS
EDIT	ADD	DEL	SET	CITY	EXIT



Station memory list

The current frequency, modulation type and range can be saved into the receiver's memory. To set settings from a saved memory cell, rotate the encoder to search for the desired cell,

then press the encoder button or SET button or the desired cell.

The list display filter is set in the SETUP -> MEMORY LIST section (page 14).

To save the current settings, press the ADD button. To edit a saved cell

press the EDIT button. To delete a cell, press DEL.

When saving or editing a memory location, you must enter the station name using the on-screen keyboards. Then, rotate the encoder to select a location where the station can be received. THIS – the station will be saved for the current city. ALL – the station is available in any city. NONE -

There is no connection to the city.

The current city is shown at the top of the list. Press CITY to go to the list of cities.

List of locations (cities)

For correct display of time and distribution stations in the cities you are located in add your location to cities memory. Just like city stations, you can add, change and delete. After editing the city name, you must Rotate the encoder to select the time zone. Press SCAN to search and save FM stations range (page 10). Use the FM button to go to list of saved FM stations for the city.

ГОРОД									
Mocu	D A								
MOCK	U M								
A	Б	В	Г	Д	Е	ж	3	И	Й
К	Л		М	н	0	П		Р	С
Т	У	Ф	X	Ц	Ч	Ш	Щ	Ъ	Ы
E	ЕSC Ь Э Ю Я <								
^ 123						OK			



Search and save FM stations



		ГОІ	род			
ста	станций: 54 UTC+03:00					
	100.0	19 МГц Саћ	станции	й: 56		
EDIT	ADD	DEL	SCAN	FM	EXIT	

For each new location, unique lists of FM stations can be saved.You can manually add stations to the receiver's memory or edit memory files (page 19).You can automatically search for FM stations and save them to the receiver's memory for current location. First add your location to the list of cities (page 9).Press SCAN to start automatically searching for stations.

Automatic search for FM stations

During the search process, the current frequency will be displayed and number of stations found.You can abort the search at any time without saving list of found stations by pressing the CANCEL button.When the search is complete, save the stations found.Then press the FM button and change the station names created automatically. You can edit list on your computer (page 19).

Saved station names will be used in FM mode (page 11), as well as in retro scale (page 12).







012345	6789+18	+38 +58	TUNE BFD	GAIN AEC	FILTER 4000
SO VOLUME	HF BT LOCK	100%	CB AM		5
(3)	33	AM	54	C 1 (5 9	1 5 3 kHz
>> UP	AM	NFM	GRID+	MEMO	СВ
<< DN	LSB	USB	GRID-	EU	VOL

FM channel mode

Stored FM stations can be switched as a channel list. To enter FM mode channels, press the FM button on the main screen. This mode displays station name, frequency, RDS information, stereo reception indicator and time. Switching channels is done by rotating encoder or by pressing the PROG+ and PROG- buttons.
STEREO button turns on/off reception of a station in stereo format.
RDS button turns on/off receiving RDS information.
To exit FM channel mode, press the FM button.

CB channel mode

It is possible to listen to CB civil band channels. To enter the mode

CB channels press the CB button on the main screen. In this mode, the channel number, letter

grid designation, frequency, modulation type and time.

Channels are switched by rotating the encoder.

Switching grids is done using the GRID+ and GRID- buttons.

EU button on/off using the European frequency grid.

The AM, LSB and USB buttons enable the corresponding type of modulation.

To exit CB channel mode, press the CB button.

In channel modes, the search for stations up and down in frequency also works using the UP and DN buttons. To change the theme, tap on the screen in the center. Four themes are available.



Mockba	ITTEL VOL	97.6	MHZ FM Stereo	216345678	9+10,+30,+50,		
'PA	POK	<	- ΟΡΦΕΙΊ				
			COMCOMC	ЛЬСКАЯІ	ПРАВДА		
	I NEPBOE	СПОРТИВ	HOE	- C	ЕРЕБРЯНЬ		
КВА		ДОРОЖІ	IOE				
- KOM	IMEPCAHT		— ШОК	элад			
		💻 ТАКО	1		КАРА		
3 94	95 96	5 97	98 99) 100	101 1:1		
		F	M				
ЧА	3	везда		POMAHT	1KA		
— B(осток		— HC	DBOE	💳 P/		
KAPHABA	КАРНАВАЛ 🛑 ВЕСТИ 🛑 ВЕРА						
— ГОВОРИТ МОСКВА 🛛 — РУССКИЙ ХИТ							
💻 СТУДИЯ 21 🛛 💻 ДЕ <mark>Г</mark> СКОЕ 🔂 📥 DFM							
CITY	BAND	STEP	BFO	VOL	EXIT		



Retro receiver scale

To display the retro scale, press the RETRO button on the main screen. The scale will display stations of the selected band and cities stored in memory cells. Navigation along the scale is carried out by rotating the encoder or sliding on the touch screen. To automatically advance the scale to the next station, quickly swipe the screen in the opposite direction and release. Rewinding will stop at the first available station. The rewind direction is changed by rotating the encoder. To stop, press the screen or encoder. To change the scale scale, click on the red 1:1 indicator on the right and, while pressing, Move the scale indicator to the desired position.

At the top there is a volume indicator (press to mute the sound on/off).

The screen displays the current frequency, the name of the band and city, as well as the time and battery charge. There is a retro S-meter located separately (press to switch to the spectrum indicator and back).

- CITY list of cities
- **BAND** band selection. The ranges are divided as in retro receivers by the passage of waves depending on time days. Color indication shows passing conditions.
- STEP selection of tuning step
- VOL volume adjustment (rotate the encoder to change)
- BFO BFO oscillator setting (available for SSB modulation) Modulation switches automatically depending on range at the cursor position.

Indication of range and types of communication







		HACTI	ойки						
	ПЕРСОНАЛИЗАЦИЯ								
8 🚍		Да	та						
	OK OK								
8									
О Аудио спектр									
PREU	HEXT	WIFI	RESET	SAVE	EXIT				

To enter setup mode, press the SETUP button on the main screen. Settings are divided into pages. Switching pages is done by rotating the encoder or using the PREV and NEXT buttons. Click WIFI for connection settings (page 15). Press RESET to load default settings. To save

settings, press SAVE or EXIT and confirm saving.

RADIO

- ITU region select the region on the map
- RDS time get time from RDS
- FM band start in 64 MHz beginning of the FM band
- Save step individual for band step can be saved for modulation type or for each range. Only until restart
- **RBDS program type** American standard RDS TP <u>PERSONALIZATION</u>
- Frequency digit backlight imitation seven-segment indicators
- Highlight the frequency in SSB in color if the BFO is not zero for tuning in SSB mode is used Oscillator BFO bias. When the offset is not
- equal to zero, the frequency digits are displayed darker.
- Buttons click to change the appearance of the buttons
- Language select the interface language
- Show country flag in RDS in information bar RDS for FM band flag will be displayed countries for the selected interface language



- Setting clock manually setting the date and time.
 Set the date first, then the time. Choose edit field on the screen and rotate
- encoder for installation. When the seconds field is selected. The countdown stops. Click OK to precise installation. After which the countdown will resume.
- **24-hour time format**, choice of 12/24 hour format
- Retro S-meter indicator display in retro style
- Audio spectrum switching view S-meter / spectrum DISPLAY
- Screen saver enable screensaver (page 19)
- **Display light off in screen saver** turn off the backlight by after the period of inactivity has expired
- Wait time to saver in minutes select after how many minutes will the screensaver turn on or go off screen backlight after last action
- **Screen orientation** select the rotation angle of the display. Quickly rotate the screen at any time: press and hold the encoder and tap on the screen.

Settings

SCANNER

- Scanning SSB in AM modulation graph will be displayed for AM modulation when SSB is enabled MEMORY LIST
- View not city linked in the list stations with city label NONE are displayed
- View all city linked in the list stations are displayed not only for the current cities. Stations linked to other cities are marked OTHER in the memory list.
- View only from current band in the list stations of the selected band are displayed BATTERY
- Battery indicator display battery indicator
- Battery value in volts display charge in volts or percent
- Warning about an unacceptable battery level
 A message will be displayed if the battery is charged batteries will exceed acceptable levels

HARDWARE

- Beeper selection of beeper sound

<u>SI473x</u>

- **Mute the sound when turned on**, the sound will be turned off when the receiver is turned on DECODER
- Decoded data send to COM port decoded data can be received using the Putty program on a personal computer computer (connect your receiver using USB cable and install the device driver)
- Feld-Hell picture smoothing image, received when decoding a Feld-Hell transmission will be smoothed for easier reading
- **Cyrillic alphabet in CW** for alphabet decoder Morse will use the Cyrillic alphabet







BT/Wi-Fi

- Wireless on on/off the Wi-Fi module
- Access point mode enables built-in hotspot. The connection can be used in there are no other access points to connect to the receiver (not currently used).
- Select AP displays a list of available access points (also available by pressing the WIFI button)
- Internet access watchdog timer is used to restart the connection if there is no connection Internet access

Available access points

Saved access points

Scanning access points takes a few seconds. Then the list and quantity will be output found access points. Rotate the encoder to search. If no access points are found or signal too weak, check the Wi-Fi antenna connection (do not use the Wi-Fi module without an antenna).

- WAN on/off Wi-Fi module
- SCAN search for access points
- SET establish a connection to the selected access point or click on the desired access point (when connecting for the first time you will need to enter a password)
- DEL remove access point from saved ones
- **SAVED** list of saved access points Access Point Name Color:

blue – access point in the list of saved ones yellow – a connection attempt is in progress green – connection active







Selecting your device model

For the correct functioning of all components of the receiver, it is necessary to select the correct model. The currently selected model is displayed on the <u>CONFIGURATION</u> page. Here you can save or restore the settings configuration, as well as load the factory settings. Click Select Model. If your device has not been modified and only contains components

installed at the manufacturer's factory, you should rotate the encoder to select your model from the list.

If changes have been made to your receiver, then choose a model "Generic" Click "next". And then, by rotating the encoder and pressing the screen, check the boxes opposite those components that are installed in your receiver.

Update/Device Information



The firmware update can be installed using a PC or obtained automatically from a server updates. Information about the availability of an update is available on the <u>UPDATE & LICENSE</u> page. To update online, you must connect the receiver to the Internet. Then click "Update" embedded software." The update files will be searched for and downloaded. Read the information and run update process.

After updating the software, download additional files (localization file, etc.).

If you need to revoke your activation key for use on another device, first obtain the code from website. Log in to your account using your Email and activation key. Then revoke the key on this settings page.

< Условия приема КВ >							
HAMQSL.COM	24 МАЯ	1307					
80 - 40 M	ДЕНЬ	НОЧЬ					
30 - 20 M	ДЕНЬ	НОЧЬ					
17 - 15 M	ДЕНЬ	НОЧЬ					
12 - 10 M	ДЕНЬ	НОЧЬ					

Information section

The section is entered using the INFO button on the main screen.

This section contains several pages of information. To turn pages, rotate the encoder.

Press the screen or encoder to exit the section.

Here you can find information about the firmware version, settings and status of the equipment, connection

Wi-Fi, device components, range limits, receiver manufacturer and model, serial

device number, software developers and copyrights.

Information on the passage of waves on the HF bands, obtained from the website HAMQSL.COM, is also available. The date and time of the last download of information are indicated.



			GAIN AICC	FILTER		
SO UOLUME ME ET LOCK		BAND	MODE	STEP		
INNER HIZ	91%	3011	USB	1		
RSSI 7 dBuV	SNR 0 dB	UFO B		a state of the		
12-40		0 H	z BFO	VFO A		
	1.54	15	1 - 1	101		
26 MINH		i i	ic.			
2024		CW CW				
				KHZ		
HAM BAND	FREQ	AGC	MUTE	MODE		

Virtual encoder

In all modes, you can use on-screen buttons that duplicate the actions of the encoder. The virtual encoder is called by sliding upward from the bottom edge of the screen. To close the virtual encoder, use the slide in the opposite direction. After a period of inactivity, the screen encoder will close automatically. Press and hold the arrow buttons to simulate encoder rotation.

Actions to take when turning on the receiver

RESET TO FACTORY SETTINGS

With the device turned off, press and hold the encoder button and turn on the power. When the LOADED DEFAULTS message appears, release encoder All receiver settings will be restored to their original values. After the reset, you need to perform the initial setup main parameters.

FILE SHARING MODE FROM PC

If you need to access files in the device's memory before starting, then with the device turned off, press and hold the screen and turn on the power. When a message appears indicating that you are ready to exchange files using the A-explorer program, release the screen and connect your receiver to the PC with using a USB cable. The device driver and A-explorer file sharing application must be installed on the PC. Applications to install and user manual are available on the website HARDUINO.RU in the "Download" section. Tap the screen to exit the mode. SCREEN CALIBRATION

In file sharing mode with a PC, press and hold the screen until a message appears indicating that screen calibration has started. Continue holding for reset calibration settings or release the screen and then click on the positions indicated by the green arrow one by one. Calibration is complete.



Files in the receiver's memory

To download files from the receiver to your PC, upload or delete, use the A-explorer application. Use notepad for editing. city.csv list of locations (id, name, time zone) preset.csv list of stations (frequency, name, city id, modulation) label.csv list of frequency boundaries of various types of communication decoder.log decoder log file (erased when the decoder starts) scan.csv frequency lists for simultaneous listening mode ap.csv list of saved Wi-Fi access points setting.ini override settings *.lng interface localization files value.hex dump of saved settings flag.ini data for forming the country flag in the RDS information band



To increase the battery life of your device without recharging, use simple functions.

- enable a short period of inactivity in the settings until the screen saver appears. During the transition When the receiver enters standby mode, some functions are suspended. At the same time, listening to the broadcast doesn't stop.
- enable in the settings to turn off the display backlight after a period of inactivity. Disable You can also turn on the backlight by pressing the LIGHT backlight control button on the main screen and then pressing backlight brightness level indicator. You can turn on the backlight by tapping on the screen.
- reduce the brightness of the screen backlight. Press the LIGHT button on the main screen and rotate the encoder.
- turn off Wi-Fi after receiving the necessary data from the Internet.
- Use wired headphones to reduce energy consumption.

