Download the installation package of the latest firmware version on the page:

http://harduino.ru/index.php/en/download

Smart and stylish devices for your home			
Products Software Shop Forum Activation software	Search	Q Search	
♥ <u>HARDUINO</u>			
Download files software ПО H-RADIO-ESP32-SI4735 (ATS25)			
Software files for various hardware configurations			
FIRMWARE FOR ATS25 version 4.15 / 09.05.2023			
Video instruction for install and activation firmware			
Bom load finnmare for receiver AT525 all modifications. H-RADIO SI4735 ILI9341/ILI9488 Crystal/SI5351 V4.15 ESP32 1.0.6 (for receivers ATS25, ATS25+, ATS25max, ATS25X1 an For the CW and Dior decoder to work, a modification of the receiver circuit is required (the circuit is attached in the arc	d ATS25X2 or for other receiver modifications:)		
FIRMWARE FOR ATS25 version 4.16 beta / 26.05.2023			
Download firmware for receiver ATS25 all modifications: H-RADIO SI4735 II I9341/II I9488 Crystal/SI5351 V4 16 beta FSP32 1.0.6 (for receivers ATS25, ATS25+, ATS25max, ATS25)	1 and ATS25X2 or for other receiver modifications:)		

Unpack the downloaded archive on your computer.

Connect your receiver to your computer with a USB cable. If you are connecting it for the first time, then you should install the receiver driver on your computer. To do this, download the driver on the download page:

http://harduino.ru/index.php/en/download



Unpack the archive with the driver. And run the file SETUP.EXE

🕀 Создать ~ 🛛 👗		🔟 🛝 Сортировать ~	Ш Просмотреть ~	
- > ~ ^ 🖿	 Этот компьютер Загрузки 	CH341SER > CH341SER	م ۵ م	Ооиск в: CH341SER
ремонт	^ ^	Дата изменения	Тип	Размер
рутокен	DRVSETUP64	26.05.2022 21:53	Папка с файлами	
🛅 фото товара	CH341PT.DLL	26.05.2022 21:53	Расширение при	15 KE
🫅 шрифты	🗟 CH341S64.SYS	26.05.2022 21:53	Системный файл	68 KE
Character Autor	🗟 CH341S98.SYS	26.05.2022 21:53	Системный файл	28 КБ
индекс.диск	CH341SER.CAT	26.05.2022 21:53	Каталог безопасн	11 КБ
💻 Этот компьютер	🚮 CH341SER.INF	26.05.2022 21:53	Сведения об уста	8 KE
🗾 Видео	🗟 CH341SER.SYS	26.05.2022 21:53	Системный файл	50 KE
🧧 Документы	🗟 CH341SER.VXD	26.05.2022 21:53	Драйвер виртуал	20 KE
🞍 Загрузки	🛃 SETUP.EXE	26.05.2022 21:53	Приложение	109 КБ
🔀 Изображен <u>ия</u>				
🕗 Музыка				
Рабочий стол				
L .				

In the window that opens, click INSTALL



When the driver installation is complete, click OK



Now start the firmware installation process. To do this, run the FLASH.BAT file in the folder with the installation package of the latest firmware version.

→ ~ ↑	≪ H-RADIO_SI4735_V4.1_ESP32 → H-RAD	IO_4.16 > H-RADIO_4.16 >	م ک م	Поиск в: H-RADIO_4.16
Рутокен	^	Дата изменения	Тип	Размер
🗖 фото товара	SPIFFS	21.05.2023 18:45	Папка с файлами	
🕘 шрифты	TS25_CW&DIGI_decoder.jpg	30.04.2023 11:26	Файл "JPG"	118 КБ
Янлекс Лиск	👼 boot.bin	05.02.2023 13:07	Файл "BIN"	8 КБ
пидексиднек	声 bootloader.bin	05.02.2023 13:07	Файл "BIN"	17 КБ
Этот компьютер	👼 changelog.txt	27.05.2023 22:04	Текстовый докум	1 КБ
🛿 Видео	ohangelogru.txt	27.05.2023 22:05	Текстовый докум	1 КБ
Документы	🋃 esptool.exe	05.02.2023 13:07	Приложение	3 437 КБ
Загрузки	🚽 firmware_ili9341.bin	26.05.2023 8:13	Файл "BIN"	1 192 КБ
🛚 Изображения	📄 firmware_ili9488.bin	26.05.2023 8:14	Файл "BIN"	1 193 КБ
Музыка	🚳 flash.bat	07.05.2023 8:13	Пакетный файл	3 КБ
Рабоний стол	🔊 partitions.bin	17.03.2023 12:44	Файл "BIN"	3 КБ

In the window that opens, select the installation language (1 or 2) and press Enter.



The next page displays information about changes in the current firmware version. Press any key to continue.

C:\Windows\system32\cmd.exe	- 0	×
rmware H-RADIO 4.16 AIR		
Optimization of the memory usage of the microcontroller has been carried out to speed up the interface. Removed the display of the RSSI/SNR signal in the form of a waterfall for the ILI9488 screen. Fixed a frequency display error for the ILI9488 screen in FM and CB mode. Fixed audio spectrum output error for the ILI9488 screen. Improved accuracy of frequency display on the audio spectrum. Added Portuguese to Brazilian translation. Thanks to Mateus PP5FMM. Added different modes of operation of the beeper for different modifications. Fixed a frequency display error in the list of cities. Fixed the error of displaying the decoder screen in CB mode. Fixed the error of displaying the clock in the medium and long wave ranges in the synchro mode.		
Fixed the error of displaying the clock in the medium and long wave ranges in the synchro mode.		
ess any key to continue.		
		_

In the next window, press any key to continue.



Next, select the configuration of your receiver:

1 – for a receiver with a 2.4 or 2.8 inch screen. These are all commercially available ATS25 receivers.

2 – for a receiver with a 3.5 or 4.0 inch screen.



The installer will search for connected devices.



At the end of the device search, enter the number of the COM port to which your receiver is connected (COM port 7 in the picture).



The process of installing the firmware on the receiver will begin. The process is fully automatic and takes some time.



After the installation is complete, press any key to exit the installer.



The receiver will reboot itself and perform the initial initialization of the file system, if the H-RADIO firmware was not installed on it earlier. It will take some time. Please wait until initialization is complete and the window with the firmware version on the receiver is loaded.

The installation package in the SPIFFS folder contains files to download to the receiver:

setting.ini – settings file for your receiver configuration;

label.csv file contains a list of sections of amateur radio bands for various types of communication;

flag.ini file for displaying the flag for the selected language in the RDS text line (only for a receiver with a 3.5 or 4.0 inch screen);

language – a folder with localization files, select your language to translate the receiver interface.

All files can be edited by the user.

🕀 Создать - 🖌	0 6 8	🔟 🛝 Сортировать ~	🔳 Просмотреть 🗸	
→ ~ ↑	≪ H-RADIO_4.16 > H-RADIO_4.16 >	SPIFFS >	• C P	Тоиск в: SPIFFS
	Имя	Дата изменения	Тип Р	азмер
PEMOHT	🔁 languages	21.05.2023 18:42	Папка с файлами	
🛅 Рутокен	👩 flag.ini	08.03.2023 13:23	Параметры конф	3 KE
🫅 фото товара	👼 label.csv	02.04.2023 23:49	Файл "CSV"	3 КБ
🧰 шрифты	🛃 setting.ini	23.04.2023 14:38	Параметры конф	5 КБ
🔀 Яндекс.Диск				
👮 Этот компьютер				
🔀 Видео				
📕 Документы 👘				
🕹 Загрузки				
🔀 Изображения				
Музыка				
Рабочий стол				
1300 divisi ellosi				

To upload files to the receiver, use the A-explorer program.

Scan CON	17 ~		Name	Size, Byt
disco	nnect	۲	label.csv	2117
Fotal space, Bytes: 1378241		۲	city.csv	511
ree space, Byte	s: 1224880	۲	eng.Ing	3156
Format	11%	۲	ita.Ing	3519
Reboot			logo.png	8614
Remove	Execute	۲	mimetype.assign	518
Lipload	Download	_		

The A-explorer program with instructions can be downloaded on the download page:

http://harduino.ru/index.php/en/download

H-RADIO SI4735 ILI9341/ILI9488 Crystal/SI5351 V4.15 ESP32 1.0.6 (for receivers ATS25, ATS25+, ATS25max, ATS25X1 and ATS25X2 or for other receiver modifications:) For the CW and DIGI decoder to work, a modification of the receiver circuit is required (the circuit is attached in the archive with the firmware)

FIRMWARE FOR ATS25 version 4.16 beta / 26.05.2023

Download firmware for receiver ATS25 all modifications: H-RADIO SI4735 ILI9341/ILI9488 Crystal/SI5351 V4.16 beta ESP32 1.0.6 (for receivers ATS25, ATS25+, ATS25max, ATS25X1 and ATS25X2 or for other receiver modifications:) Additional files and utilities File manager A-Explorer for SPIFFS ESP32 + instructions User's Guide

Installation, activation via the Internet and configuration of firmware Instructions in Russian PDF Instructions in English PDF Activation instructions in Russian PDF Activation instructions in English PDF

A tool for downloading software to a device

FLASH DOWNLOAD TOOLS V3.6.3 (Windows 7) + instructions FLASH DOWNLOAD TOOLS V3.9.2 + instructions

USB driver ESP32

CH341SER driver

There you will also find instructions for operating and activating the firmware.

H-RADIO SI4735 ILI9341/ILI9488 Crystal/SI5351 V4.15 ESP32 1.0.6 (for receivers ATS25, ATS25+, ATS25max, ATS25X1 and ATS25X2 or for other receiver modifications;) For the CW and DIGI decoder to work, a modification of the receiver circuit is required (the circuit is attached in the archive with the firmware)

FIRMWARE FOR ATS25 version 4.16 beta / 26.05.2023

Download firmware for receiver ATS25 all modifications: H-RADIO SI4735 ILI9341/ILI9488 Crystal/SI5351 V4.16 beta ESP32 1.0.6 (for receivers ATS25, ATS25+, ATS25max, ATS25X1 and ATS25X2 or for other receiver modifications;)

Additional files and utilities

File manager A-Explorer for SPIFFS ESP32 + instructions

User's Guide



A tool for downloading software to a device FLASH DOWNLOAD TOOLS V3.6.3 (Windows 7) + instructions FLASH DOWNLOAD TOOLS V3.9.2 + instructions

USB driver ESP32 CH341SER driver

ATTENTION the firmware is paid, and after installation you need to enter the activation key.

Information about the method of purchase and the cost of the activation key is available on the page:

http://harduino.ru/index.php/en/shop

When updating previously installed and activated H-RADIO firmware, reactivation is not required. And all your settings and saved stations will be saved in the receiver's memory. You can save a backup copy of the files on your computer using the A-explorer program.