

# **ETREL INCH**

# PART FIRMWARE UPDATE

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## FIRMWARE MANAGEMENT

Firmware of the INCH charging station can be managed either from charging station configuration interface or from the backend central system if station is connected and this is supported by central system.

### LOCAL SW UPDATE

If you want to make firmware update from the configuration interface you need to be able to access the interface. The procedure is described in the Etrel Inch configuration document.

Once you are able to run the interface go to the Diagnostic menu, where you can find "Upgrade firmware" button.



When you press the button you will be asked to choose the upgrade file to upload it and start the upgrade procedure. You need to download the file beforehand. Link is on the left side.

*Important:* You can locate the latest INCH firmware upgrade file in the Jira support web app: <u>link</u>

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### REMOTE SW UPDATE

Remote software firmware update can be done through the central control system, if it is supported by the system. The examples below will be from the Ocean backend system.

#### Upload new firmware version to Ocean

In order to execute the firmware update from Ocean you should go to the "Support" module and to the "Firmware version" section first to upload new firmware version to the Ocean system. You can find the newest firmware update on the link at the start of this chapter on the left.

"Support"  $\rightarrow$  "Firmware version" module allows operator to check, edit all previous firmware versions and also to create new ones with the click on the "Add" button.

Settings - Firmware versions			
			🖍 Add
Firmware versions			
Showing 1 to 10 of 19 entries		3	Previous 1 2 Next
Version name	ription		Vendor I1
123			Etrel d.o.o.
Show 10 • entries		Search	

New window will open where you can input all the information regarding new version and also upload file with the new firmware update version using the "Edit" button next to the file.

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Every Charge point model needs its own firmware update so correct model must be chosen in the drop down menu for EMSP's update as well as vendor of the charge station.

Settings - Firmware versions

						Sove #Back to list
General data						
		Version name				
		Description				
		File	Fdit Belete Download			
		Vendor	Ede			
		Charge point models				Add charge point model
Name	Description	From HW version	To HW version	From previous FW version	To previous FW version	Action
	× P	ekliči 🔯 Save				

#### Firmware update through Ocean

Once the new firmware version is uploaded to the Ocean go to the "Support"  $\rightarrow$  "Firmware update" where you are able to see all the updates and their statuses that were executed during a set time period. New firmware update can be scheduled by clicking the "Add" button.

 Maintenance - Firmware updates

 Firmware updates

 Firmware updates

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This will open new window that will allow you to name the new Firmware update, chose date and time of the execution and version of the new update. You can also decide which charge points will be updated on the chosen date. Once the Firmware created is saved you have to press "Start firmware update" in order to start the update.

				≠Edit ►Sort	fromware update Delete HEack to list
Firmware update					
Firmware update info	statu -				
Title	HT prepayed				
Scheduled install time	24.08.2018 18:00:00				
Firmware version News: NCH 1 Version: Tird 4 Description: NCH 1 File name: butal_	53 05 153_56menup				
Charge points					@ Manage charge points
Showing 1 to 1 of 1 entries					Previous 1 Next
Name III Addre		Location	Serial number	11 Status	
SI06-00122-02 Pod je	išami, 6, 1290, Grosupije	Etrel garage	51-12	Waiting to be executed	Delete
Show 10 v entries					Search:

You can check whether the firmware was applied to chosen charging station by going to "Monitoring & Control" and by locating the charging station which was updated and click the "Communication logs" button.

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Charge point V Cor Typ 22.0	MNRCEOF 1, AC le 2 socket, DB kW			C Refresh data K Back to list
				S Charge availability 🖉 Reset charger 🖉 Clear cache
			Asset data	
	Communication Last commu 23.06 2018 Run deg Communic	nestablished Instation 2005 23 Instation Instation Instation	Charge point model INCH PR Serial number 1822000 Asset status Friendly code INOFOO Land swree Charge point owner TAIC Mo	RO (G7) WEBSOCKETS O Configuration Decision of the sector
Past chargings statistics			Communication	
Charging sessions	Manufal 0	Active energy	Protocol type OCPP 1.4 Charge point identity 1822002 Communication type Ethernet	.6 over webSocket 24 It LAN
		0,0 kWh Average per session: 0,0 kWh	Remote IP 12.76.22 Local IP 192.168. Gateway 192.168.	23.148 8.77.250 8.77.4
			Location	Other charge points   + More tista
charging duration	Muestay	Active power	Friendly name INCH TE: Friendly code RO01000	EST PREPAID
0,0 h Average per session: 0,0 h	Utilization 0,0 %	Max power 0,0 kW	Address (Strada S Access type Public ac	Sfânta Vineri, 29, 030203, BUCHAREST) cccess - payable

# This will open raw messages where you can locate the "FirmwareStatusNotification" message.

18220024	↑ Toward Central System Service	Heartbeat	22.08.2018 09:59:39	Response Sent
18220024	♠ Toward Central System Service	FirmwareStatusNotification	22.08.2018 09:49:53	Response Sent
18220024	♠ Toward Central System Service	StatusNotification	22.08.2018 09:49:52	Response Sent
18220024	♠ Toward Central System Service	StatusNotification	22.08.2018 09:49:51	Response Sent
18220024	♠ Toward Central System Service	StatusNotification	22.08.2018 09:49:22	Response Sent
18220024	♠ Toward Central System Service	BootNotification	22.08.2018 09:49:22	Response Sent
18220024	♠ Toward Central System Service	StatusNotification	22.08.2018 09:47:33	Response Sent
18220024	♠ Toward Central System Service	FirmwareStatusNotification	22.08.2018 09:47:09	Response Sent
18220024	♠ Toward Central System Service	FirmwareStatusNotification	22.08.2018 09:47:09	Response Sent
18220024	♠ Toward Central System Service	FirmwareStatusNotification	22.08.2018 09:47:03	Response Sent

By pressing the message you will see the message where status of the firmware update will be displayed.

Protocol message log						
Response timestamp	22.08.2018 09:49:53					
Request client IP	82.76.223.148					
Request	[2,"G7-5","FirmwareStatusNotification",{"status":"Installed"}]					
Response	[3, "G7-5", {}]					

You can also see the history of all updates on certain station by clicking on the "Firmware updates" in the "Monitoring and Control" module on the charge point screen.

Infrastructure - Charge point das George point /	hboard					
Charge point Convector 1, AC Type 2 socker, 22.06 kW						Øflerheite Mänck to lat
						S Change evaluability O Reset changer O Clear cache
				Asset data		
	Communication Last commu 11.09 2019 C Run dieg Communication	established Madan 79.0.55 Vanita Side Tuge			Charge paint model G7.00X Web sockets Serial number SAME NUZA Ansats that the neurono Prinnelly code: SIG-00052.06 Land owner: Errel d.o.o.	Configuration     Configuration
Past chargings statistics				Communical	tion	
Charging sessions	and the second se	Active energy	and the second		Protocol type OCFP 1.6 over webSocket Charge point identity G7-033	
doomalaadha		1,007.8 kWh Average per section: 4.7 KWh		Location	Kommerkaulus type table LOV Hos statu Remote # 17,239.2350 Local # 17,259.2350	Other Charge points 🛛 🕸 Mare data
Charging duration	Manufactory	Active power	Manday		Friendly name Friendly code: \$105.0002	
9.2 h Average per resident 53 h	Utilization %	Max power 3.9 kW			Address (Pod jellami, 6, 1290, Grosupije) Access type: Public in working hours and only private out of working ho	us
	Sessions 🟮 😰	Authorizations 👩 👔 🕴	Events 782 😥 🚺	Measurements	Maintonance Tickets Firmware updates 2 Diagnostic logs	

List of all updates and their statuses in the chosen time frame will be displayed.

ge point firmware update							
harp point formare updates							
From 12 Aug 2019			Te 12 Sep 2019				
					Q, Search		
Number of results: 3					Previous 1 Next		
Name	Version	Vendor	Status	Install started	Status updated		
INCH V11.13.0xest	INCH VT1.13.0test		Waiting to be executed	02.09.2019 10.48:00			
INCH V11.13.0test	INCH V11.13.0test		Index Related	02.09.2019 11:09:21	04.09.2019 07:32:07		
INCH V11.13.0test	INCH VT1.13.0xest		Subat Related	04.09.2019 11:00:05	10.09.2019 07:30:42		
Show 10 Tentries							
					и Он		
	Addgo	persection: 2.7 emb					