

Manual Software Installation and Operating Instructions



Diagnostic Tool Stiga E-POWER Series

Revision 0 (07/06/2021)

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2. Introduction

This manual has been draw up in order that you may feel much confident to the DIAGNOSTIC TOOL and give all the necessary instructions for using.

Diagnostic Tool supports connection with E-POWER Series, with the main purpose of supporting you with the troubleshooting, in case of malfunction of the machine.

2.1 Supported products

The Diagnostic Tool can handle connection to: e- Ride series



2.2 Functionality

The STIGA E-POWER Diagnostic Tool allows the following operations:

- Tractor diagnostics
- Battery status
- Blade and traction status
- Usage log and statistics
- Error log
- Real time diagnostics
- Report generation
- Firmware upgrade
- Multilingual support

2.3 Kit components

The E-power Diagnostic Tool system is composed by the following parts:

1. Hardware Diagnostic Tool: the hardware consists of a STIGA CAN OBDII adapter



2. Software: to be installed on MS[©] Windows OS and allows the analysis and the status reports creation for machines.



2.4 Minimum System Requirements

The following prerequisites are requested in order to properly operate the system:

- PC with USB 1.1/2.0/3.0/3.1 Host Controller (USB Port) and Microsoft © Windows OS rev. 7/8/8.1/10: both 64 and 32 bit (x86) versions are supported;
- [*]Microsoft Update for Windows 7 KB3004394;
- [**]Microsoft .NET Framework rev.4.x (x64/x86);
- [**]Kvaser CAN Driver WHCP;

Note:

[*] – Already installed through MS Windows Update for up-to-date systems. It must be manually installed only in case of Diagnostic Tool installation failure;

[**] – If needed, the setup for these components is executed automatically by the Diagnostic Tool installer

3. Software Download

The software can be downloaded through our portal STIGA Connect: https://stiga.ev-portal.com/LogIn/Stiga

3.1 Connection to STIGA Connect

Connect to STIGA Connect web site https://stiga.ev-portal.com/LogIn/Stiga

/TIGA				
	Log-In			
	$\widehat{1}$	User name Password	ggpitcatalog 	
	To access the web: boxes and press "C	site, type in your user Dk''	name and your password in the correct	

Log in with your user name and password:



Once Catalog (All Brands) and language has been selected, the release package can be retrieved by 3.2 *Dowload by the description* and 3.3 *Download with a search by type of document.* instructions.



3.2 Dowload by the description

• click on the "lens" button;

/TIG	D			Wetkome GGP Italy test catalog Home Download files My profile Exit
Application Catalogs Statistics			Description	
All Brands 12 SEPTEMBER 2018	TEST All Brands 17 APRIL 2018		e.g. "Diagnostic Tool"	° cit
	TIGE			I che v
CASTELGARDEN	CASTELGARDEN			
Mountfield	Mountfield			
made for other brands	made for other brands			
ENGLISH	FRANÇAIS			

• click on the software you are looking for;

	weicome OGP II	aly lest catalog Home Downloa	a tiles iviy protile Exit
ZTIGA		diagnostic tool	ک ک
Application Catalogs Statistics			
C] Catalog: All Brands			C
ñ			★ [
ⓒ Back to catalog ♥ Filters			
Documents [3]			
AutoclipClient+r38629			
search result choose the			
Software vou are looking for.			
Software Software			

• click one of the products selected;

TICA	
Application Catalogs Shopping Technical Assistance Sales and Marketing Statistics	ਸ਼
Catalog: All Brands	0
ĥ	★ 🕞
ⓒ Back to catalog ♥ Filters	
Documents [4]	Document
E AutoclipClient-r38629 Software	Software StigaDiagnosticTool_500 Series Installer_v1.4
Software	Select product [18]
StigaDiagnosticTool_E-Power_Series Installer	E-Ride C300 2T2200481/ST1
Soltware Selected	E-Ride C500 2T2205481/ST1
Software	E-Ride S300 2T0660481/ST1
Application Catalogs Statistics	
GGP	StigaDiagnostictool_E-Power_Series Instater
StigaDiagnosticTool	_E-Power_Series Install
Click he	re to download the software Click
e-Ride C300 (2021) /TIGA Source Parts List	
	ARE
Body	
Electrical Transmission	
Cutting Plate Lifting	
Electrical Parts	*
Seat & Steering Wheel	
 Workshop Manuals 	

Now you get in the DOWNLOAD folder a .zip file with software and this manual.



3.3 Download with a search by type of document.

• click on the "Filter";

	_	Wekome GGP Italy test catalog	Home Download files My profile Exit
/ TIG	A	diagnostic tool	ργ
Application Catalogs	Statistics		
Catalogs			
All Brands 12 SEPTEMBER 2018	TEST All Brands 17 APRIL 2018		7.5
/TIG	/TIGA		
ALDINK	ALPINK		- び
CASTELGARDEN	CASTELGARDEN		
Mountfield	Mountfield		
ΑΤCΟ	ATCO		4
made for other brands	made for other brands		
ENGLISH	FRANÇAIS		

A dialog appears to ask you which kind of document you are looking for:

- select the "Documents, Type field and "Tractors";
 - click on the "Start searching"



click on the software you are looking for;

/TIGA		
Application Catalogs Statistics		
Catalog: All Brands		
谷		
ⓒ Back to catalog ♥ Filters		
Documents [2]		
AutoclipClient-r38629 Software	accurate recently access the	
STIGA Park PRO - Diagnostic Tool (with manual)	search result choose the	
StigaDiagnosticTool_E-Power_Series Installer Software	software you are looking for.	

click on "*click here*";







Now you get in the DOWNLOAD folder a .zip file with application installer and this manual: please extract the content to a suitable temporary folder.

4. Software installation

- 1. Launch installer executable (64bit/x86 systems supported):
 - a. EpowerDiagnosticTool-x_y_z.exe
- 2. Installer's user interface will pop-up: confirm the license terms checkbox to enable the installation.

	R DiagnosticTool - 0.9.2 Setup		23		
/	EPOWER DiagnosticTool -	0.9.2			
STIGA E	STIGA E-POWER DIAGNOSTIC TOOL LICENSE TERMS				
✓ I agree to the license terms and conditions Options					

Picture 1

3. If the CAN interface drivers are not installed in the system, the related setup will pop up:



Picture 2



4. Follow the on screen procedure and confirm the default options through *Next* and *Install* buttons when requested.

🗾 Kvaser CAN Drivers WHC	7 Kvaser CAN Drivers WHCP Setup					
KVASER.	Installation Complete Setup was completed successfully.					
Completed						
Show details						
Nullea Gritestell Contena vO. 40						
ivulisort Instali System V2,46 -	< Back	Close Cancel				
	Picture 3					

Closing the completion dialog will give the focus back to the Stiga Diagnostic Tool installer.
 After application files setup, the following completion dialog will pop up:



Picture 4

User's desktop will be populated with a shortcut in order to ease launching the application:



Picture 5



6. Check if device driver are properly installed executing the following procedure:

- a. Connect the diagnostic tool interface to an available USB port
- b. Open the *Device Manager* and check if the **PKvaser Leaf Light v2** device is detected and assigned to the system:

A Device Manager	
File Action View Help	
▲ 🚔 STGIT050H	*
Batteries	
Biometric	
🛛 🕞 🚯 Bluetooth Radios	
🖌 👰 CAN Hardware (Kvaser)	
🚽 🖳 🔮 Kvaser Leaf Light v2	
🚽 🖳 🔮 Kvaser Network Enumerator	
🛛 🕎 Kvaser Virtual CAN Driver	

Picture 6

c. Kvaser Driver installation package must also add the following Device Guide to the *Start Menu* and the *Control Panel* Home screen:

🕡 Kvaser Device Guide			- • ×
<u>F</u> ile <u>V</u> iew <u>T</u> ools <u>H</u> elp			
▲ 🚠 Hardware	Device Name	Canlib Channel	Serial Number
A ········ 유럽 Channel 1	Kvaser Leaf Light v2	0	11091
Kvaser Virtual CAN Driver	💂 Kvaser Virtual CAN Driver	1	0
Channel 1	😸 Kvaser Virtual CAN Driver	2	0
Channel 2			
	Item	Value	
	•	III	•
KVASER		4444	222222
Press F5 to refresh. ESC to exit. Press F1 for Help.			.::



4.1 Installation notes

Stiga Diagnostic Tool desktop application relies on *Microsoft .NET Framework*. If this is not installed on the host system, the installer will launch the related installation: please follow the procedure and confirm the default options.

Moreover, for legacy *MS Windows* 7 systems not regularly updated by *Microsoft Windows Update Service*, the installation procedure could fail due to some missing security-related items: if this is the case, the provided **Windows6.1-KB3004394-v2** shall be installed.

Manufacturer details for this patch (*Windows Root Certificate*) are published at <u>https://www.microsoft.com/en-us/download/details.aspx?id=45588</u>



4.2 Application launch and Update check

When the installation is complete, shortcuts to installed program are created in the start menu and on the desktop.



Whenever the host PC can access the web, a software update check is performed at application launch: in case a newer version is available, a message-box will pop-up.

Clicking **OK** button leads the user to STIGA Connect login page as per par.3.1.

			×
•	New vers StigaDia Proceed	sion available: gnosticTool 0.9.4 with the download?	
YE	S	No	

If this is the case, proceed with application update:

- Uninstall current application version through OS control panel

	All Control Panel Items Programs and F	eatures	- 4 ∳ S	Search Programs	and Featu	ires
File Edit View Tools Help						
Control Panel Home View installed updates Turn Windows features on or off	Uninstall or change a program To uninstall a program, select it from	m the list and then click Uninstall, Chan <u>c</u>	ge, or Repair.			8=== 👻
Install a program from the network	Name	Publisher	Installed On	Size	Version	
	EPOWER DiagnosticTool - 0.9.2	Stiga	07/06/2021	192 MB	0.9.2	
	Kvaser CAN Drivers WHCP	Kvaser AB	07/06/2021		5.34	

Picture 8

- Download and install new version following *3 Software Download* instructions. Refer to *4 Software installation* for OS version checking guidelines



5. Diagnostic Tool connections

The diagnostics tool can communicate with control unit of the machine.

- 1. Start the machine (see Start up procedure in the Owner Manual);
- 2. connect the Diagnostic Tool to the machine (see picture 1);
- 3. connect the usb cable to the host computer;
- 4. launch Diagnostic Tool Application and start data transmission/reception.





5. select the product category to be used with the Diagnostic Tool

DEVICE CONNECTION		×
Please, select the type of connection from the menu below; then press CON	re product NECT.	ŧ_ŧ
Stiga DT 🔹		
 Remember this setting 		
	Cancel	Connect

6. trigger "Connect".

Diagnostic Tool			- ¤ ×
STIGA e-Ride C300 - DASHBOARD			CONNECTION OK
Product Dashboard Advanced Diagnostic	Parameters Firmware Upgrade		
Refresh Generate Save/Upload Error Li Report Data	og 🗸		e-Ride 300/500
IDS	Status	atistics	
VMS Art Nr.	System Time	Total On Time [hhmm]	
118361030/0	21/08/2020 19:05	1.07	19
VIMS S/N	VMS temperature [*C]	Total Working Time (hh mm)	
210200242	27 ~	0.04	
VIMS Firmware Rev.	Battery high temperature [*C]	Total Charping Time Ibb med	
1.5	22 ~	0.00	
Dashboard Firmware Rev.	Battery low temperature ["C]	Bag Full Count	
209 - 1.1	21 🛩	1	
TRACTION Firmware Rev.	Battery current (A)	Error Counter	LAST ERROR
2.7	-0,12 ~	9	8/21/2020 2:46 PM
ELADE1 Firmware Rev.	Battery voltage [V]		
2.15	51,044 ~		
ELADE2 Firmware Rev.	Battery State Of Charge [%]		[2] 388 9o Pe Pe (2)
2.15	41		VHS BATT TRAC BLDI BLDZ DASH
BATTERY Firmwisre Rev.	Battery Capacity [Ah]		() Help (') Quit
V1.9	34	~	

6. Software dialogs user's guide

The main application dialog shows the vehicle identification data, main statistics and status details. It also implements controls (buttons / menus) for the following features:

- Vehicle black box download
- Vehicle data refresh
- Firmware upgrade
- Report generation
- Row data download

6.1 Communication error

The application will show an error message box whenever the initial machine detection fails:

- communication to the machine failure: check that the machine is on and the connection cable is properly connected;
- check Kvaser device availability through system control panel (see Check if device driver are properly installed executing the following procedure:)

6.2 Main dialog (Dashboard)

This is the dialog window that the program shows when starting

TIGA e-Ride C300 - DASHBOARD				CONNECTION OK
Product Dashboard Advanced Diagnostic Pe	rametera Firmware Upgrade	_		1
Refresh Generate Save/Upload Error Log			6 Carrierton	e-Ride 300/500
105	Status		Statistics	
VMS Art.Nr.	System Time	^	Total On Time [hhmm]	
118361030/0	21/08/2020 19:05		1 07	19
VMS S/N	VMS temperature ["C]		Total Working Time [hh:mm]	
210200242	27	~	0.04	
VMS Firmware Rev.	Battery high temperature [*C]		Total Charging Time [hh.mm]	
1.5	22	~	0.00	
Dashboard Firmware Rev.	Battery low temperature [*C]		Bag Full Count	
209 - 1.1	21	~	1	
TRACTION Firmware Rev.	Battery current (A)		Error Counter	LAST ERROR
2.7	-0,12	~	9	8/21/2020 2:46 PM
BLADE1 Firmware Rev.	Battery voltage [V]			
2.15	51,044	~		
BLADE2 Firmware Rev.	Battery State Of Charge [%]			(2) m 90 14 14 12
2.15	41			VMS BATT TRAC BLD1 BLD2 DAS
BATTERY Firmware Rev.	Battery Capacity [Ah]			Help (¹) Quit
V1.9	34	~		

From this window you get access to the following main menus:

- Product Dashboard (current menu)
- Advanced Diagnostic
- Firmware Upgrade







From Product Dashboard menu you get the following options:

- Refresh
- Generate Report
- Save/Upload Data
- Error Log

	STIGA e-Rid	le - DASH	HBOARD			
	Product Das	hboard	Advanced Diagno	stic P	arameters	Firmware Upgrade
	C Refresh	Generate	Save/Upload	Error Log		
	Refresh	Report	Data	Enor Log		

The window offers the following informations:





6.2.1 Battery and VMS Status

By clicking the drop down menu of the various selections, you will see the conditions (temperature, current, voltage..etc) of the battery and VMS.

		VMS temperature [*C]	
		33	^
Status		20 10 8	
		L ₈ 🖡 81	
33	~		
		Battery high temperature [°C]	
Battery high temperature [°C]		25	^
25	~		
Battery low temperature [°C]		÷ - 0	
25	~	Battery low temperature [°C]	
		25	^
Battery current [A]		20 40	
-0.05	~		
Battery voltage [V]		Battery current [A]	
51 535	~	-0.05	^
01.000		52 - 20	
Pottony State Of Charge [9]		10 20 20	
Battery State Of Charge [%]			
20			
		Battery voltage [V]	
Battery Capacity [Ah]		51.535	^
34		- 02 - 02 - 02 - 02 - 02 - 02 - 02 - 02	



6.2.2 Generate Report

Through this control a PDF file is generated including:

- details of Product's IDs;
- the total working time;
- the Error Log (detailed list of all errors occurred);
- the work Log (working sessions of machine);

🔀 EPOWER	Diagnostic To	ol	
STIGA e-Ric	le - DASHB	OARD	
Product Das	hboard /	Advanced Diagno	stic Parameters
¢	í	6	Ê.
Refresh	Generate Report	Save/Upload Data	Error Log

Trigger the control and a dialog window will appear; fill in the fields "Machine Art. Nr." and "Machine S/N" when required and chose the folder where to save the report.

GENERATE REPORT		×
Please, select the the Report (PDF)	starting date from the report and press Generate to save in the selected folder	
Machine Art.Nr.	Machine S/N	
REPORT NAME		
FOLDER TO STORE THE REPORT		
	Save destination folder	
STARTING DATE	(+++) 	
	Download all data	
Send this report	t to Stiga Support service Cancel	GENERATE

Press "GENERATE" to save the report

GENERATE REPORT			×
Please, select the the Report (PDF) i	starting date from the repor n the selected folder	t and press Genera	ate to save
Machine Art.Nr.	2T2200481/ST1	Machine S/N	21BA3RON003398
REPORT NAME	20210603151338-2T2200481_	ST1-21BA3RON0033	98.pdf
FOLDER TO STORE THE REPORT	C:\Users\fandretta\Documents	s\Stiga\Reports	•••
STARTING DATE	Download all data		
Send this report	to Stiga Support service	Cance	el GENERATE



Here below an example of report generation:

								Work L	og		
	Diagno	stics repor	t - eRide C300/	C500		Index Date	Time Total / PTO	Battery	Traction avg/peak	Blade avg/peak	Pitch pea
Brand	N	lachine Art.Nr.	M	achine S/N		5 01/01/2020 16:49:59	0:00:39 / 0:00:17	6.0 A	0 W / 0 W	560 W / 1100 W	+1°
	2	T2200481/ST1	2	1BA3RON003398	3	7 01/01/2020 20:35:08	0:04:55 / 0:04:25	0.0 A	0 W / 0 W	2 W / 242 W	+1°
Manufacturing Date	V	/MS Art.Nr.	V 2	MS S/N 10200524		10 01/01/2020 23:22:31	0:00:07 / 0:00:04	0.0 A	0 W / 0 W	3 W / 9 W	+1°
		10301030/0	^	10300334		11 01/01/2020 23:01:03	0:03:03 / 0:02:24	0.0 A	0 W / 0 W	3 W / 200 W	0°
Ve	rsions			Status		13 01/01/2020 20:40:51	0:03:55 / 0:02:53	13.0 A	0 W / 0 W	767 W / 1149 W	+1°
	Hardwar	e Firmware	VMS temperature		34	16 01/01/2020 09:49:26	0:03:46 / 0:00:11	0.0 A	0 W / 0 W	0 W / 0 W	+1°
VMS	2.0	1.6	Traction temperatu	re	28	22 01/01/2020 06:40:24	0:01:20 / 0:00:42	4.0 A	22 W / 423 W	321 W / 1120 W	+4°
DASHBOARD	1.0	209 - 1.2	Motor temperature		27	24 01/01/2000 00:00:05	0:00:42 / 0:00:14	1.0 A	0 W / 0 W	0 W / 0 W	+69°
TRACTION	1.4	2.7	Blade temperature								
BLADE-1	1.0	2.16	Batten/ max tempe	ratura		C	harge Log				
BLADE-2	1.0	2.16	Batteny min tempe	atura		Index Date	Time SO	C Start SC	OC Stop		
BATTERY	-	V2.6	Batteny nurrent		0.05	1 01/01/2020 06:43:25	0:00:03 59.	00% (59.00%		
			Battony voltore								
Sta	ntistics		Battery CAR (desic		34						
Total On Time [hh:min]		0:32:05	Battony CAP (desig	nt)							
Total Working Time [hh:n	nin]	0:11:34	Battery CAP (curre	nt)							
Total Charging Time [hh:	min]	0:00:04	ballery SOC		01/01/2020						
Bag Full Count		3	Battery last charge		06:43:25 - 59%						
Error Counter		9									
h da Data	0.4	Erro	or log	0. harden							
Index Date 1 01/01/2020 20:36	Code		EMD	BATTERY							
2 01/01/2020 20:30	.30 0	TRACTION BR		TRACTION	CRITICAL						
2 01/01/2020 20:41	.23 23	TRACTION PR		TRACTION	CRITICAL						
4 04/04/2020 40:00	.00 23		ARE_CONN	PLADE2							
5 04/04/2020 10:09	-30 16	BLADE VOLTA	CE	BLADE							
5 01/01/2020 10:09	.30 10	TRACTION UN		TRACTION	ALARM						
7 04/04/2020 09:50	.07 46	RACTION_UN	DERVOLTAGE	RACTION BLADE2							
01/01/2020 09:50	.07 10	BLADE VOLTA		DLAUEZ							
8 01/01/2020 09:50	:07 16	BLADE_VOLTA	GE	BLADE1							
9 01/01/2000 00:00	:24 10	DATTERT_DET	ECTION	BATTERY	CRITICAL						

6.2.3 Save/Upload Data

Through this control the machine raw data will be downloaded an encrypted file.

Trigger the control and a dialog window will appear; fill in the fields "Machine Art. Nr." and "Machine S/N" when required and chose the folder where to save the file.

🔀 EPOWER	Diagnostic Too	1	
STIGA e-Rio	de - DASHBO	DARD	
Product Das	hboard A	dvanced Diagno	ostic Parameters
¢	1	0	Ê.
Refresh	Generate Report	Save/Upload Data	Error Log

Machine Art.Nr. 2T2200481/ST1 Machine S/N 21BA3R0N003398 EXPORT FILENAME 20210603151815-2T2200481_ST1-21BA3R0N003398.edt SELECT FOLDER TO STORE THE DATA C:\Users\fandretta\Documents\Stiga\Exports	
EXPORT FILENAME 20210603151815-2T2200481_ST1-21BA3R0N003398.edt SELECT FOLDER TO STORE THE DATA C:\Users\fandretta\Documents\Stiga\Exports	×
SELECT FOLDER TO STORE THE DATA	
STORE THE DATA	
 Save destination folder 	



Press "SAVE to save the EDT file.

│						
Pin to Quick access Copy Paste Copy Paste Paste shortcut Clipboard	Move to •	Copy to Delete Rename	New item •	Properties • Open • History Open	Select all Select none Invert selection Select	
\leftarrow \rightarrow \checkmark \uparrow] > This PC > Window	vs (C:) >	Users > fandretta > [Documents > Stiga > Ex	«ports		
+ Quick accord	^	Name	0.1	Date modified	Туре	Size
		20210603151815-2	2T2200481_ST1-21BA3RO	N 03/06/2021 15:1	9 EDT File	7 K

6.2.4 Error Log

Through this control the complete machine error log is shown.

Trigger the control (or the notification area and the dialog window with the log appear)

K EPOWER Diagnostic Tool						
STIGA e-Ride - DASHBOARD						
Product Das	hboard /	Advanced Diagno	ostic	Parar	meters	
¢		0	ĥ			
Refresh	Generate Report	Save/Upload Data	Error Lo	og		

E	RROR LOG				×
	Туре	Code	Message	Date	
	ALARM	б	DSG_UNDERTEMP	1/1/2020 8:36:56 PM	
	CRITICAL	29	TRACTION_BRAKE_CONN 1/1/2020 8:41:23 PM		
	CRITICAL	29	TRACTION_BRAKE_CONN	1/1/2020 8:41:00 PM	
	ALARM	16	BLADE_VOLTAGE	1/1/2020 10:09:30 AM	
	ALARM	16	BLADE_VOLTAGE	1/1/2020 10:09:30 AM	
	ALARM	24	TRACTION_UNDERVOLTAGE	1/1/2020 9:56:57 AM	
	ALARM	16	BLADE_VOLTAGE	1/1/2020 9:50:07 AM	
	ALARM	16	BLADE_VOLTAGE	1/1/2020 9:50:07 AM	
	CRITICAL	10	BATTERY_DETECTION	1/1/2000 12:00:24 AM	
H		M			
				Cancel ADVANC	CED DI,



6.2.5 Advanced Diagnostic

This Menu provides the status of different key components (VMS, BATTERY, TRACTION, BLADE1 and 2). Drop down menu will give reference values for the analysed data.



EPOWER Diagnostic Tool				- a >
STIGA e-Ride - ADVANCED DIAGNO	OSTICS			
Product Dashboard Advanced Diagr	nostic Parameters Firmware Upgra	ade		
Refresh Automatic Refresh				e-Ride C300/C500
VMS STATUS	BATTERY STATUS	TRACTION STATUS	BLADE1 STATUS	
System Time	Voltage [V]	Error Code	Error Code	
15/08/2020 00:10	51.532 🗸	2	0	
Pitch Angle	Current [A]	Motor Status	Motor State	THE CONTRACTOR
-1	-0.05 🗸	0	0	
Roll Angle	Max Cell Voltage [V]	Direction	Motor Command	
0	3.685 ~	0	255	
Temp. VMS [°C]	Min Cell Voltage [V]	Brake State	Direction	
35 🗸	3.676 ¥	0	BLADE2 STATUS	
Temp. Blade ECUs [*C]	Our set of the late	Brake Wire State	Error Code	LAST ERROR
25 🗸	34.0	0	0	01/01/2020 20:36:56
Temp. Traction ECU [°C]	Actual Consoitu [Ab]	Driver Voltage [V]	Motor State	
28 ~	6.5	0.0	0	
Temp. Traction Motor [*C]	Otate Of Charge [9]	Pedal Voltage [mV]	Motor Command	
27 ~	20	1,456.796 🗸	255	VMS BATT TRAC BLD1 BLD2 DASH
Temp. Battery Max [*C]	Temperature 1 [°C]	Temp. Motor [°C]	Direction	
EM OFF	CRAWLING ECO		ILL.	STIGA DIAGNOSTIC TOOL - Version 0.9.1



6.2.6 Firmware Upgrade

With this Menu you get access the firmware updates.

EPOWER Diagnostic Tool
STIGA e-Ride - DASHBOARD
Product Dashboard Advanced Diagnostic

Parameters

Press Firmware Upgrade



By clicking on "1" the available firmware will be visible in the pop up.

uct Dashboard A	dvanced Diagnostic	Parameters	Firmware Upgrade			
resh				ECU selection:	VMS ^	✓TIGA e-Ride C300/C500
MS Firmware Up	arade				BATTERY	
JRRENT FIRMWARE VE	RSION				traction	
8						
LECT FIRMWARE FILE					BLADE1	
					BLAED2	10 TOTALE
		UPGR	ADE			
						LAST ERROR
						01/09/2021 11:18:07
						VMS BATT TRAC BLD1 BLD2 D
						() Help

Select the firmware to update (in the example the traction firmware has been selected)



Firmware Upgrade



By clicking on "2" the Traction firmware versions will be visible.

oduct Dashboard Advanced Diagnostic Parameters Firmware Upg	ECU selection: 😵 T	raction * e-Ride C300/C500
Traction Firmware Upgrade CURRENT FIRMWARE VERSION 2.14	Copen ← → ▼ ↑ ■ ~ Desktop > TRACTION FW ▼ ひ	P Search TRACTION FW
SELECT FIRMWARE FILE	Organise Vew folder Desktop Adobe BATTERY FW BLADE FW DASHBOARD F CocaleMetaDat sap TRACTION FW Vdee VMS FW V <	Lac 15/07/2021 1 Select a file to preview.
	File name:	Open Cancel Roc Lib Lib Open Cancel Roc Lib Lib Open Unit

Select the firmware file and click on "Open"

	🔀 EPOWER Diagnostic Tool	
	STIGA e-Ride	(3)
	Product Dashboard Advanced Diagnostic Parameters Firmware Upgrade	
	C Refresh	
	Traction Firmware Upgrade	
	CURRENT FIRMWARE VERSION 1.6	
	SELECT FIRMWARE FILE C:\Users\ebenethi\Documents\Projects\18-4-50 NR 68-78\3.7.2 SW/veleasetimes_moin_stablesized	
	😓 UPGRADE	
By clicking on icon "3" UPG	RADE starts Uploading.	
Diagnostic Tool – E-POWER	19 / 20	/TIGA

	💋 EPOWER Diagnostic Tool
	STIGA e-Ride
	Product Dashboard Advanced Diagnostic Parameters Firmware Upgrade
	Ç. Refresh
	Traction Firmware Upgrade
	CURRENT FIRMWARE VERSION
	1.6
	SELECT FIRMWARE FILE
	C:\users\ebenetti\ubocuments\Projects\18-4-50 NR 68-78\3.7.2 SW\release\Vms_main_ro\Binanes* •••
	So UPGRADE
	Upgrade progress 19%
The uploading ongoing	
	×
	Firmware upgrade completed successfully
	ок

After the firmware update, close and restart the application. New firmware version will be then showen on the dashboard window.

NOTE: as for the traction Firmware Upgrade, the machine must be switched on with the Start button and seated operator If OPC is missing during the update, traction is disabled (and turned off)

