Execute software update to software version 1.13 for an AMTRON[®] with HCC3



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This manual describes how to perform an update to software version 1.13 on an AMTRON[®] with HCC3. The special features of the update from software version 1.10 resp. 1.12 to 1.13 and from software version 1.11 to 1.13 are explained below. Please note that an **update from software version 1.11 to 1.13 via WLAN is expressly prohibited**.

Save the software file in a known storage location. The next step is to navigate to this storage location.

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1 Software update via service interface

An ongoing charging session is interrupted while the software update is in progress. It depends on the configuration whether charging is continued after the software update.

- parameter "autostart charging" is active: charging is continued automatically.
- parameter "autostart charging" is inactive: charging is not continued, but can be restarted by a new authorization.

1.1 Update from software version 1.10 to 1.13 resp. from 1.12 to 1.13

The update from software version 1.10 resp. 1.12 to 1.13 can be performed via LAN or WLAN. If a WGM110 WLAN module is built-in, the HCC3 and the WLAN module are updated. If no WGM110 WLAN module is built-in, only the HCC3 is updated. Which WLAN module is built-in can be seen via the service interface ("Production Settings" > "Wallbox Data" > "WLAN Version"). If "BA 1.1.x" is displayed as WLAN version, a WGM110 WLAN module is present.

INNEKES AMTRON	Production Settings Installation Settings User Settings	System
		-
Wallbox Data		
HMI HW Version	FF-43890	_
HMI SW Version	1.008	
HMI Type	M	
? HMI IO Status	0110	
HMI Temperature Internal	26 °C	
HMI Temperature External	0 °C	
HMI Error Code	0000	
RFID Version	TWN4/B1.03/CB1.49/APP1.00	
WLAN Version	BA 1.1.7	
? HCC3 HW Version	30546-CA-18883	
HCC3 SW Version	1.12	

Never disconnect the AMTRON[®] from the power supply during the software update. This can render the AMTRON[®] unusable.



AMTRON[®] as AccessPoint

Depending on the operating system, it may happen that the WLAN connection of the AMTRON[®] is interrupted and not automatically re-established (even if this is configured). In this case, the connection must be established manually.



1.1.1 Duration of the software update

The software update normally takes about 5 minutes. In exceptional cases, the software update may take longer, because in the event of an error, an new attempt is made to install the software update again.

1.1.2 Step-by-step instructions for AMTRON® with WLAN module WGM110

1. Navigate to the AMTRON® service interface by using an up-to-date Firefox browser: http://AMTRON-IP:25000

Instead of "AMTRON-IP", enter the IP address of the AMTRON[®] under which the AMTRON[®] is accessible.

- 2. Enter PIN1 / User PIN and navigate to the "System" > "Firmware Update" menu.
- 3. Click the "Browse" button. Navigate to the storage location of the saved file and select this file.
- 4. Click the button "Update AMTRON" to update the software.

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Firmware Update			
To check for a new Firmware update, please visit our website.			
Select Software Update File Durchsuchen) HC3Application_1_13.bin File size: 2 MB			
	Update AMTRON		

5. After a successful software update of the HCC3, the AMTRON® is restarted.

Restore Data from Backup
Please reload the Service Interface and login with the installation PIN to restore a backup.
The AMTRON wallbox is rebooting.
You will be redirected automatically.
Firmware Update
To check for a new Firmware undate, please visit our website



6. The software update of the WLAN module is started.

6.1. If the software update is performed via LAN:

6.1.1. Enter PIN1 / User PIN.

✓ The update process of the WLAN module takes a few minutes and is indicated by the following screen:

HMI Temperature Internal 24 °C HMI Temperature Internal 0 °C HMI Temperature External 0 °C RFID Version The WLAN module is being updated WLAN Version You will be redirected automatically. HCC3 IW Version 0 99 P HC23 IV State 110000 ? HCC3 IP/PP-State A11			
HMI Imperature External 0 °C HMI Empro Code 0000 RFID Version TWW4/B1 08/CCB1.64/PRSC1.04 WLAN Version You will be redirected automatically. HCC3 SW Version 0.99 ? HCC3 IO-State 110000 ? HCC3 CP/PP-State A11 HCC3 Fror Code 15	HMI Temperature Internal	24 °C	
HMI Error Code 0000 RFID Version The WLAN module is being updated WLAN Version The WLAN module is being updated HCC3 HW Version You will be redirected automatically. HCC3 SW Version 0.99 P HCC3 IO-State 110000 P HCC3 FV For Code 15	HMI Temperature External		
RFID Version The WLAN module is being updated WLAN Version The WLAN module is being updated P HC3 HW Version You will be redirected automatically. HC3 SW Version 0.99 P HC3 ISM Version 0.99 P HC3 ISM Version 0.49 P HC3 ISM Version 0.59 P HC3 ISM Version 0.59	HMI Error Code	0000	
WLAN Wersion Ine WLAN module is being updated ? HC3 HW Version You will be redirected automatically. HC3 SW Version 0.99 ? HCC3 IO-State 110000 ? HCC3 CP/PP-State A11 HCC3 FW Code 15	RFID Version	TWN4/B1.06/CCB1.64/PRSC1.04	
Y HCC3 HW Version You will be redirected automatically. HCC3 SW Version 0.99 Y HCC3 SW Version 110000 Y HCC3 CP/IP-State A11 Y HCC3 Fror Code 15	WLAN Version	The WLAN module is being updated	
HCC3 SW Version 0.99 2 HCC3 IO-State 110000 2 HCC3 CP/IP-State A11 9 HCC3 Error Code 15	? HCC3 HW Version	You will be redirected automatically.	
? HCC3 IO-State 110000 ? HCC3 IO-P/PP-State A11 ? HCC3 Error Code 15	HCC3 SW Version	0.99	
? HCC3 CP/PP-State A11 ? HCC3 Error Code 15	? HCC3 IO-State	110000	
? HCC3 Error Code 15	? HCC3 CP/PP-State	A11	
		15	

6.1. If the software update is performed via WLAN:

During the software update of the WLAN module, there is no WLAN connection with the result that the service interface cannot be reached. Therefore, when updating the service interface, an error message appears (e.g. when using the Firefox browser: "Error network timeout"). After the software update of the WLAN module has been completed, the service interface is available as usual.



Never disconnect the AMTRON[®] from the power supply during the software update. This can render the AMTRON[®] unusable.

7. After a successful software update of the WLAN module, the AMTRON® is restarted.

8. After entering PIN1 / User PIN, the update is visible:

Wallbox Data			
HMI HW Version	FF-43890		
HMI SW Version	1.008		
HMI Type	M		
? HMI IO Status	0110		
HMI Temperature Internal	22 °C		
HMI Temperature External	0 °C		
HMI Error Code	0000		
RFID Version	TWN4/B1.03/CB1.49/APP1.00		
WLAN Version	BA 1.1.7		
? HCC3 HW Version	30546-CA-18883		
HCC3 SW Version	1.12		
? HCC3 IO-State	110000		
Wallbox Data	$\overline{\mathbf{v}}$		
	•		
HMI HW Version	FF-43890		
HMI HW Version HMI SW Version	FF-43890 1.008		
HMI HW Version HMI SW Version HMI Type	FF-43890 1.008 M		
HMI HW Version HMI SW Version HMI Type ? HMI IO Status	FF-43890 1.008 M 0110		
HMI HW Version HMI SW Version HMI Type ? HMI IO Status HMI Temperature Internal	FF-43890 1.008 M 0110 23 °C		
HMI HW Version HMI SW Version HMI Type ? HMI IO Status HMI Temperature Internal HMI Temperature External	FF-43890 1.008 M 0110 23 °C 0 °C		
HMI HW Version HMI SW Version HMI Type ? HMI IO Status HMI Temperature Internal HMI Temperature External HMI Error Code	FF-43890 1.008 M 0110 23 °C 0 °C 0000		
HMI HW Version HMI SW Version HMI Type PHMI IO Status HMI Temperature Internal HMI Temperature External HMI Error Code RFID Version	FF-43890 1.008 M 0110 23 °C 0 °C 0000 TWN4/B1.03/CB1.49/APP1.00		
HMI HW Version HMI SW Version HMI Type PHMI IO Status HMI Temperature Internal HMI Temperature External HMI Error Code RFID Version WLAN Version	FF-43890 1.008 M 0110 23 °C 0 °C 0000 TWN4/B1.03/CB1.49/APP1.00 BA 1.1.9		
HMI HW Version HMI SW Version HMI Type PHMI IO Status HMI Temperature Internal HMI Temperature External HMI Error Code RFID Version WLAN Version PHCC3 HW Version	FF-43890 1.008 M 0110 23 °C 0 °C 0000 TWN4/B1.03/CB1.49/APP1.00 BA 1.1.9 30546-CA-18883		
HMI HW Version HMI SW Version HMI SW Version HMI Type PHMI IO Status HMI Temperature Internal HMI Temperature External HMI Error Code RFID Version WLAN Version PHCC3 HW Version HCC3 SW Version	FF-43890 1.008 M 0110 23 °C 0 °C 0000 TWN4/B1.03/CB1.49/APP1.00 BA 1.1.9 30546-CA-18883 1.13		
HMI HW Version HMI SW Version HMI SW Version HMI Type P HMI IO Status HMI Temperature Internal HMI Temperature External HMI Error Code RFID Version WLAN Version P HCC3 HW Version HCC3 SW Version P HCC3 IO-State	FF-43890 1.008 M 0110 23 °C 0 °C 0000 TWN4/B1.03/CB1.49/APP1.00 BA 1.1.9 30546-CA-18883 1.13 110000		

	Previous	New
Software version HCC3	1.12	1.13
Software version WLAN module	BA 1.1.7	BA 1.1.9

 \checkmark The software update was successful.



The software update could not be executed

If the software update could not be executed after 20 minutes, a restart is required.

1. Restart AMTRON®. To do this, in the service interface under "System", click "Reboot AMTRON".

If a reboot via the service interface is not possible, the reboot must be executed by actuating the control fuse.

2. Re-run the software update.

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→ "1.1.2 Step-by-step instructions for AMTRON® with WLAN module WGM110"

If it was not possible to re-run the software update, please contact MENNEKES: www.chargeupyourday.de

1.1.3 Step-by-step instructions for AMTRON® without WLAN module WGM110

1. Navigate to the AMTRON[®] service interface by using an up-to-date Firefox browser: http://AMTRON-IP:25000

Instead of "AMTRON-IP", enter the IP address of the AMTRON® under which the AMTRON® is accessible.

- 2. Enter PIN1 / User PIN and navigate to the "System" > "Firmware Update" menu.
- 3. Click the "Browse" button. Navigate to the storage location of the saved file and select this file.
- 4. Click the button "Update AMTRON" to update the software.

Firmware Update	
To check for a new Firmware update, please visit our website.	
Select Software Update File (Durchsuchen) HC3Application_1_13.bin File size: 2 MB	
	Update AMTRON
. After a successful software update, the AMTRON $^{\ensuremath{\mathbb{B}}}$ is restarted.	

6. After entering PIN1 / User PIN, the update is visible:

Wallbox Data			
HMI HW Version	AA-00260		
HMI SW Version	1.006		
HMI Type	L		
? HMI IO Status	0110		
HMI Temperature Internal	23 °C		
HMI Temperature External	0 °C		
HMI Error Code	0000		
RFID Version	TWN4/B1.03/CB1.49/APP1.00		
WLAN Version	A4.0.4		
? HCC3 HW Version	30546-CA-18883		
HCC3 SW Version	1.12		
Wallbox Data	\checkmark		
HMI HW Version	AA-00260		
HMI SW Version	1.006		
HMI Type	L		
0 LIMITO Status			
	0110		
HMI Temperature Internal	0110 25 °C		
HMI Temperature Internal HMI Temperature External	0110 25 °C 0 °C		
HMI Temperature Internal HMI Temperature External HMI Error Code	0110 25 °C 0 °C 0000		
HMI Temperature Internal HMI Temperature External HMI Error Code RFID Version	0110 25 °C 0 °C 0000 TWN4/B1.03/CB1.49/APP1.00		
HMI To Status HMI Temperature Internal HMI Temperature External HMI Error Code RFID Version WLAN Version	0110 25 °C 0 °C 0000 TWN4/B1.03/CB1.49/APP1.00 A4.0.4		
P HMI To Status HMI Temperature Internal HMI Temperature External HMI Error Code RFID Version WLAN Version ? HCC3 HW Version	0110 25 °C 0 °C 0000 TWN4/B1.03/CB1.49/APP1.00 A4.0.4 <u>30546</u> -CA-18883		

	Previous	New
Software version	1.12	1.13

 \checkmark The software update was successful.



1.2 Update from software version 1.11 to 1.13

An update from software version 1.11 to 1.13 via WLAN is expressly prohibited.

Never disconnect the AMTRON[®] from the power supply during the software update. This can render the AMTRON[®] unusable.

The update from software version 1.11 to 1.13 is executed in two stages:

1. HCC3 software update from 1.11 to 1.13.

 WLAN module software update from "BA 1.1.1" to "BA 1.1.9". The WLAN module is updated automatically. No interaction is necessary.

1.2.1 Duration of the software update

The software update normally takes about 5 minutes. In exceptional cases, the software update may take longer, because in the event of an error, an new attempt is made to install the software update again.

1.2.2 Step-by-step instructions

1. Navigate to the AMTRON® service interface by using an up-to-date Firefox browser: http://AMTRON-LAN-IP:25000

Instead of "AMTRON-LAN-IP", enter the IP address of the AMTRON[®] under which the AMTRON[®] is accessible via LAN.

- 2. Enter PIN1 / User PIN and navigate to the "System" > "Firmware Update" menu.
- 3. Click the "Browse" button. Navigate to the storage location of the saved file and select this file.
- 4. Click the button "Update AMTRON" to update the software.

Firmware Update			
To check for a new Firmware update, please visit our website.			
Select Software Update File Durchsuchen HC3Application_1_13.bin File size: 2 MB			
	Update AMTRON		

 \checkmark After a successful software update of the HCC3, the AMTRON[®] is restarted.

Restore Data from Backup
Please reload the Service Interface and login with the installation PIN to restore a backup.
The AMTRON wallbox is rebooting.
You will be redirected automatically.
Firmware Update
To check for a new Firmware update, please visit our website.

- 5. Enter PIN1 / User PIN.
- \checkmark The software update of the WLAN module is started.

HMI Temperature Internal	24 °C
HMI Temperature External	
HMI Error Code	0000
RFID Version	TWN4/B1.06/CCB1.64/PRSC1.04
WLAN Version	The WLAN module is being updated
? HCC3 HW Version	You will be redirected automatically.
HCC3 SW Version	0.99
P HCC3 IO-State	110000
? HCC3 CP/PP-State	A11
? HCC3 Error Code	15

✓ After a successful software update of the WLAN module, the AMTRON[®] is restarted.

✓ After entering PIN1 / User PIN, the update is visible:

Wallbox Data	
HMI HW Version	FF-43890
HMI SW Version	1.008
HMI Type	M
? HMI IO Status	0110
HMI Temperature Internal	25 °C
HMI Temperature External	0°C
HMI Error Code	0000
RFID Version	TWN4/B1.03/CB1.49/APP1.00
WLAN Version	BA 1.1.1
? HCC3 HW Version	30546-CA-18883
HCC3 SW Version	1.11
Wallbox Data	
HMI HW Version	► FF-43890
HMI SW Version	1.008
HMI Type	М
? HMI IO Status	0110
HMI Temperature Internal	23 °C
HMI Temperature External	0 °C
HMI Error Code	0000
RFID Version	TWN4/B1.03/CB1.49/APP1.00
WLAN Version	BA 1.1.9
? HCC3 HW Version	30546-CA-18883
HCC3 SW Version	1.13
	440000

	Previous	New
WLAN module software version	BA 1.1.1	BA 1.1.9
HCC3 software version	1.11	1.13

 \checkmark The software update was successful.

The software update could not be executed

If, in exceptional cases, the software update could not be executed, the following screen is displayed.

HMI HW Version	FE-30380
HMI SW Version	1.008
HMI Type	L
HMI IO Status	0110
HMI Temperature Internal	24 °C
HMI Temperature External	
HMI Error Code	0000
RFID Version	TWN4/B1.06/CCB1.64/PRSC1.04

1. Restart AMTRON®. To do this, in the service interface under "System", click "Reboot AMTRON".

If a reboot via the service interface is not possible, the reboot must be executed by actuating the control fuse.

- 2. Re-run the software update.
- ➔ "1.2.2 Step-by-step instructions"

If it was not possible to re-run the software update, please contact MENNEKES: www.chargeupyourday.de



2 Software update via ACU (HCC3 in SCU mode)

The software update can optionally also be executed via an ACU.

Requirements:

- ✓ There must be a connection between AMTRON[®] and ACU.
- ✓ The ACU firmware is up-to-date (ACU 3590, 2.13 patch).

AMTRON[®] update via ACU

A software update of an AMTRON[®] can be started via the ACU at any time, regardless of whether a charging process is being carried out. An AMTRON[®] with an active charging process is initially skipped during the software update without interrupting the charging process. The software update is started as soon as the charging process is complete and no other AMTRON[®] is being updated.

Update läuft ...

SCU-Id Status	Fortschritt [%]
185 Wartet	0
43 Update läuft	10

Abbruch

The red service LED on the AMTRON[®] in question lights up red for the duration of the software update. In this state, no charging process can be started until the software update has been completed. All other AMTRON[®] devices connected to the ACU remain ready for operation.

2.1 Duration of the software update

Number of products connected to the ACU (AMTRON [®] and SCU)	Duration of the software update per $\textbf{AMTRON}^{\textcircled{B}}$
1	approx. 40 minutes
16	approx. 125 minutes

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2.2 Step-by-step instructions

 Call up the service interface of the ACU using an up-to-date Firefox browser: https://ACU-IP/admin/admin_local_scu_upgrade

Instead of "ACU-IP", enter the IP address of the ACU under which the ACU is accessible.

2. Enter password.

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- The page "SCU Firmware" appears. All AMTRON[®] devices that are to be updated must be selected here. To do this, the tick mark "Update" on the right-hand side must be set.
- 4. After selecting the update file "Browse" and entering the "Version", the software update can be started. To do this, click the "Start" button.

SCL	J-Firm	ware			
Versi	on (HE)	I K. muss 10-stellig s	Datei: Durchsuchen	HC3Application_1_12.bin	
Id	Name	Hardware- Version	Firmware- Version	Serial	Updaten
185	185	02000000	010bff6f00	c3002400273532470c6467	

starten

 \checkmark The software update is executed.



The software update can take a very long time, especially if several AMTRON[®] devices are updated. Please do not interrupt an ongoing software update.

The updated AMTRON® may be restarted up to twice. This depends on the installed software version of the AMTRON® and on the built-in WLAN module.



5. The update can be checked via the service interface of the ACU.

Id: 218	Name: 218	Id: 2	18	Name: 218
Serial: c3004b0039304e50105283	Sicherung (Max. 16.0	Serial:	004b0039304e50105283	Sicherung (Max. 16.0
Status: Idle	SCI Hater Tuner 16/61107	Status: Id	le	Strom): Incol Scottage
ihleradresse: 2	SCU Heter Type: RC01107	Zähleradresse: 2		SCU Heter Type: 200107
Zählertyp: IEC61107		Zählertyp: IE	C61107	OCPP CompID: 1 Y
Zählerstand: 0.0	SWSTel	Zählerstand: 0.	0	SMSTel
ardware-Ver.: 2	CRI4	Hardware-Ver.: 2		CRIde
irmware-Ver.: 255-112	Reader Typ: No Reader Installed	Firnware-Ver.: 2	55-113	Reader Typ: No Reader Installed
Fehlercode A:	Local Auth UID:	Fehlercode A:		Local Auth UID:
Fehlercode B:	SCU Flow: Standard ~	Fehlercode B:		SCU Flow: Standard
Power Path: None	Autoselect Energy Combined Path(default) V	Power Path: N	one	Autoselect Energy Combined Path(default) ~
CP State: A	SCU Panel: LED Panel Type 1 V	CP State: A		SCU Panel: LED Panel Type 1 ×
PP State: Open	Language: User Defined(72) v	PP State: 0	pen	Language: User Defined/zz) v
Contactor Open	Legacy UID:	Contactor O	pen	Legacy UID:
	Emergency Charge:			Emergency Charge:
	SCU Unavailable: 🔲			SCU Unavailable: 🗌
	Display Charge Info: Charged Energy v			Display Charge Info: Charged Energy v
	Connector Plug-in 1 ~ (min)			Connector Plug-in 1 (min)
	and a second sec			ends example of the

Fig. 1: Check software update using the example of software version 1.11 to software version 1.13