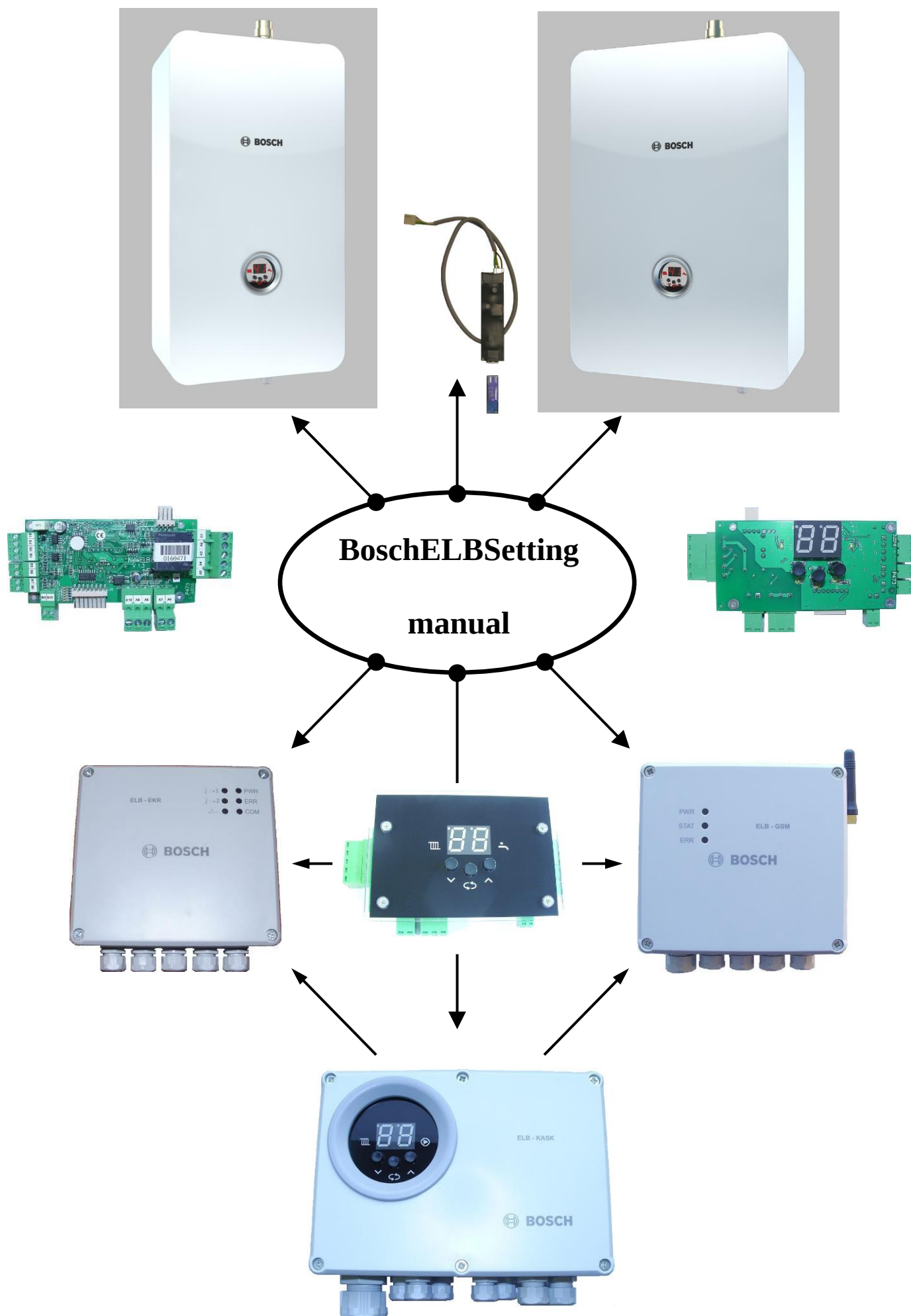


Tronic Heat 3000/3500 (ELB-KASK ; ELB-EKR ; ELB-GSM modules)



Version: [SK](#) ; [CZ](#) ; [DE](#) ; [EN](#) ; [RU](#)**SK:****Obslužný program BoschELBSetting k elektrokotlom Tronic Heat 3000/3500**

Program BoschELBSetting je určený pre komunikáciu s elektronikou kotlov firmy Bosch s názvom Tronic Heat 3000, Tronic Heat 3500 a následných kotlov rovnakého radu. Sú to elektrokotle pre ohrev vykurovacej vody a pre prípravu teplej úžitkovej vody a taktiež môžu slúžiť ako záložný zdroj ku kotlom na biomasu. Ku kotlom je možné pripojiť niekoľko doplnkových modulov, ktoré rozširujú možnosti elektrokotlov.

Programom BoschELBSetting je možné aktualizovať firmvér - program v doplnkových moduloch EKR alebo GSM a cez ne taktiež firmvér v elektronike ELB a v module ELB_KASK. K tomu účelu je potrebný USB kábel (USB2-A/B mini) alebo prevodník BoschELBConverter. Dôvodom upgradu môže byť napr. potreba pripojenia doplnkového modulu/modulov ku kotlu so staršou verziou firmvéru (C4). Taktiež je možné činnosť kotla (elektroniku ELB; ELB_KASK a prídavné moduly) on-line monitorovať.

Preto je program BoschELBSetting určený najmä pre servisných mechanikov. Pracuje na PC s Windows WinXP(sp3)/7/8,1/10 (32/64bit). Poslednu verziu programu BoschELBSetting je možné stiahnuť z internetovej adresy: <http://www.junkers.cz> lebo <http://www.ers.sk/sk/Podpora.alej>. Pri inštalácii postupujte podľa obrázkového návodu (pozri nižšie ... niektoré obrázkové pozície môžu byť odlišné – program sa neustále vyvíja).

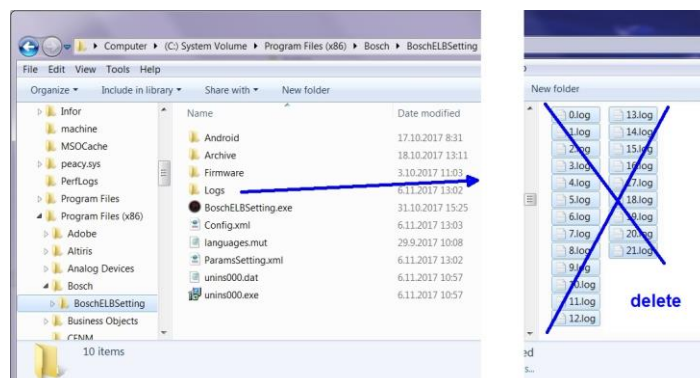
Pre samotnú inštaláciu potrebujete práva správcu a pre správne zobrazenie všetkých parametrov a komunikáciu s modulmi je nutné vykonať upgrade firmware elektroniky ELB aspoň na verziu C5 - pre „Programátor (verzia)“ ≥ 0.5 !! Aby ste mohli monitorovať užívateľské a servisné parametre, musíte ich najskôr programom BoschELBSetting načítať. Prepojenie modulov s riadiacou elektronikou je popísané v návodoch k jednotlivým modulom.

Užívateľský režim: cez prídavný modul EKR alebo GSM a kábel USB je možné zostavu kotla programom BoschELBSetting monitorovať, meniť užívateľské parametre a nahrávať upgrade firmware.

Servisný režim: s prevodníkom BoschELBConverter je okrem možností užívateľského režimu možné meniť i servisné parametre.

Upozornenie:

- zmenou firmware sa nemení užívateľské ani servisné parametre. Aktiváciou parametra SE90 sa všetky parametre zmení podľa továrenského nastavenia
- majte poslednú funkčnú verziu NET.Framework
- ak sa nedá spustiť novo nainštalovaná verzia programu BoschELBSetting, zmažte súbory *.log zo zložky „Logs“ ve zložke programu BoschELBSetting



CZ:**Obslužný program BoschELBSetting k elektrokotlům Tronic Heat 3000/3500**

Program BoschELBSetting je určený pro komunikaci s elektronikou kotlů firmy Bosch s názvem Tronic Heat 3000, Tronic Heat 3500 a následných kotlů stejné řady. Jsou to elektrokotle pro ohřev topné vody nebo i přípravu teplé užitkové vody a také mohou sloužit jako záložní zdroj ke kotli na tuhá paliva. Ke kotlům je možné připojit několik doplňkových modulů, které rozšiřují možnosti elektrokotlů.

Programem BoschELBSetting je možné aktualizovat firmware (firemní program) doplňkových modulů EKR nebo GSM a přes ně také firmware elektroniky ELB a modulu ELB_KASK. K tomu účelu je potřebný USB kabel (USB2-A/B mini) nebo převodník BoschELBConverter. Důvodem upgrade může být např. potřeba připojení doplňkového modulu/modulů ke kotli se starší verzí firmware (C4). Také je možné kotel (elektroniku ELB; ELB_KASK a přídatné moduly) programem BoschELBSetting on-line monitorovat.

Proto je program BoschELBSetting předně určený pro servisní mechaniky. Pracuje na PC s Windows WinXP(sp3)/7/8,1/10 (32/64bit). Aktualizovanou verzi programu BoschELBSetting je možné stáhnout z internetové adresy: <http://www.junkers.cz> nebo <http://www.ers.sk/sk/Podpora.alej>). Při instalaci postupujte podle obrázkového návodu (viz. níže ... některé obrázkové pozice mohou být odlišné – program se neustále vyvíjí).

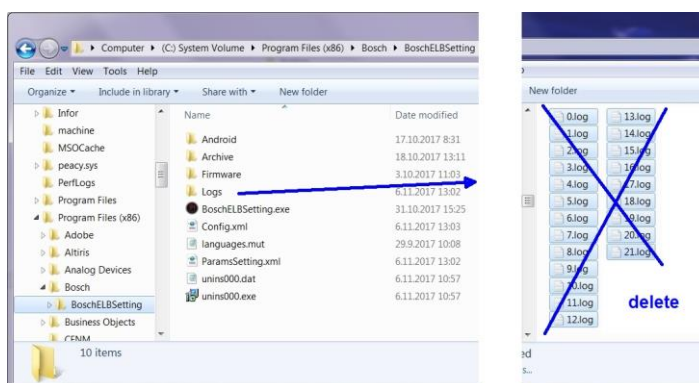
Pro samotnou instalaci potřebujete práva správce a pro správné zobrazení všech parametrů a komunikaci s moduly je nutné provést upgrade firmware elektroniky ELB alespoň na verzi C5 - pro „Programátor (verze)“ ≥ 0.5 !! Abyste mohli monitorovat uživatelské a servisní parametry, musíte je nejdříve programem BoschELBSetting načíst. Propojení modulů s řídicí elektronikou je popsáno v návodu jednotlivých modulů.

Uživatelský režim: přes přídatný modul EKR nebo GSM a kabel USB je možné sestavu kotle programem BoschELBSetting monitorovat, měnit uživatelské parametry a nahrávat upgrade firmware.

Servisní režim: s převodníkem BoschELBConverter je kromě možností uživatelského režimu možné měnit i servisní parametry.

Upozornění:

- změnou firmware se nemění uživatelské ani servisní parametry. Aktivací parametru SE90 se všechny parametry změní podle továrního nastavení
- mějte poslední funkční verzi NET.Framework
- pokud nelze spustit nově nainstalovanou verzi programu BoschELBSetting, smažte soubory *.log ze složky „Logs“ ve složce programu BoschELBSetting



DE:**Einstellungsprogramm BoschELBSetting zum Elektro-Kessel Tronic Heat 3000/3500**

Das Programm BoschELBSetting dient für die Kommunikation mit Elektronik von Bosch-Heizkessel Tronic Heat 3000/3500 und der nachkommenden Kesselserie. Der Heizkessel ist für die Erwärmung von Heizwasser oder für die Warmwasserbereitung bestimmt. Der Kessel kann auch als Ersatzwärmequelle zum Festbrennstoff-Kessel dienen oder hat die Möglichkeit der Anschließung weiterer Zusatzmodule, die das Betriebsportfolio von Heizkessel Tronic Heat 3000/3500 weiter erweitern.

Mit Installationsprogramm BoschELBSettings ist das Firmware der Zusatzmodule EKR oder GSM zu aktualisieren und durch diese dann auch das Firmware der ELB-Elektronik und des Zusatzmoduls ELB_KASK. Zu diesem Zweck wird das USB-Kabel (USB2-A ↔ USB2-B Mini) oder der Konverter BoschELBConverter benötigt. Der Grund zum Upgrade kann z.B. Bedarf an Anschluss von Zusatzmodulen/Modulen zum Heizkessel mit einer älteren Firmware-Version (C4) sein. Eine weitere Funktion des Programms ist auch Kessel-Monitoring (online Überwachung von ELB-Elektronik, ELB_KASK und von Zusatzmodulen).

Deswegen ist das Programm BoschELBSetting vor allem für Servicemechaniker bestimmt. Eine Voraussetzung für die Installation und Betrieb ist das Betriebssystem Windows WinXP(sp3)/7/8,1/10 (32/64bit) installiert zu haben. Die aktualisierte Programmversion BoschELBSetting ist aus der Web-Seite <http://www.junkers.cz> oder <http://www.ers.sk/sk/Podpora.alej> herunterzuladen. Folgen Sie bei der Installation die Bildanleitung (siehe unten...einige von dargestellten Bildern können sich unterscheiden- das Programm wird ständig entwickelt).

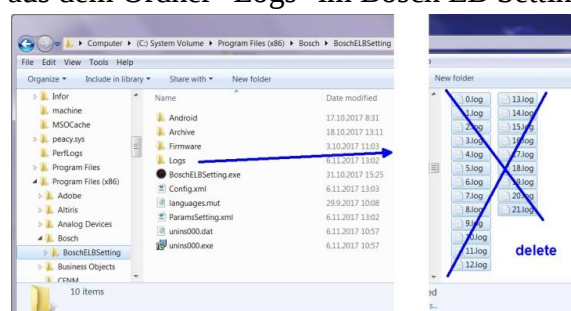
Für die alleinige Installation sind die Verwaltungsrechte benötigt und für die korrekte Darstellung aller Parameter und korrekte Kommunikation mit den Modulen wird ein Firmware-Upgrade der ELB-Elektronik mindestens auf die Version C5 aufgefördert – für „Programmierer (Version)“ ≥ 0.5 !! Um die Betriebs- und Serviceparameter überwachen zu können, sind diese zuerst mittels von Programm BoschELBSettings abzurufen. Die Anschließung der Zusatzmodule mit der Regelung ist in der Anleitung der jeweiligen Zusatzmodule beschrieben. Der Konverter BoschELBConverter ermöglicht zugleich auch die Änderung der Serviceparameter.

Betriebsmodus: Über das Zusatzmodul EKR oder GSM und dem USB-Kabel ist es möglich das Kessel-Set mittels Programm BoschELBSetting zu überwachen, Betriebsparameter zu ändern und das Firmware-Upgrade hochzuladen.

Servicemodus: Der Konverter BoschELBConverter ermöglicht außer Betriebsmodus zugleich auch die Änderung der Serviceparameter.

Warnhinweis:

- Betriebs- und Serviceparameter bleiben bei der Firmwareänderung gleich. Bei der Aktivierung des Parameters SE90 auf 1 werden alle Parameter auf die Werkseinstellungen geändert
- Halten Sie die neueste Version von NET.Framework
- Wenn Sie die neu installierte Version von Bosch ELB Setting nicht ausführen können, löschen Sie die *.log-Dateien aus dem Ordner "Logs" im Bosch EB Setting-Ordner



EN:**Utility Program BoschELBSetting for electric boilers Tronic Heat 3000/3500**

Program BoschELBSetting is developed for service technicians and is dedicated for interface with the electro-boilers Bosch named Tronic Heat 3000/3500. Boilers are designed to heat water in central heating, DHW and can be used also as secondary (back up) heating source in combination with solid fuel boiler. There are available accessory modules which can increase functions of electro-boiler.

By using the BoschELBSetting you can upgrade firmware of accessory modules EKR or GSM. Via EKR or GSM module it is possible to upgrade also firmware of electronics of ELB and module ELB_KASK. To connect above mentioned modules it is necessary to use USB cable (USB2-A/B mini) or converter BoschELBConverter. Firmware upgrade is necessary in case of required connection of additional modules with boiler with firmware version up to C4. Another reason is on-line monitoring of the boiler electronics, ELB_KASK and module monitoring.

Therefore, the program BoschELBSetting is primarily designed for service technicians. PC requirements: at least WinXP(sp3)/7/8,1/10 (32/64 bit). Updated version of BoschELBSetting is available also on web pages: <http://www.junkers.cz> or <http://www.ers.sk/sk/Podpora.alej>. During installation, follow pictorial instructions (see. pictures below ... some positions of pictorial instructions can be different - the development of program is still in progress).

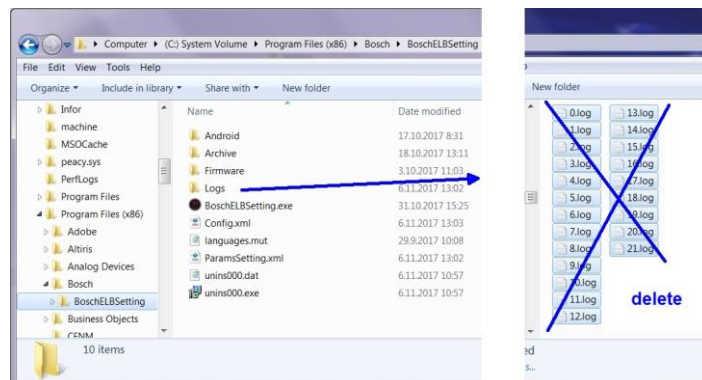
For installation follow the manual - you need administrator rights. To have correct visualisation of all parameters and correct communication with modules it is necessary to upgrade the firmware of ELB electronics for the version C5 (at least) - for „Programmer (verze)“ ≥ 0.5 . To activate/start monitoring of user and service parameters, the parameters need to be uploaded by BoschELBSetting. Connection of different modules with boiler electronics is described in manual of each module.

User mode: via EKR/GSM module or via USB cable it is possible to monitor the boiler, change users parameters and upload firmware upgrade using the program BoschELBSettings.

Service mode: with the BoschELBConverter, in addition to the User mode options, service parameters can also be modified.

Attention:

- changing the firmware does not change the user or service parameters. Activating of SE90 parameter changes all parameters to factory defaults
- keep the latest version of NET.Framework
- if you can not run the newly installed version of BoschELBSetting, delete the *.log files from the „Logs“ folder in the BoschELBSetting folder



RU:**Программа обслуживания BoschELBSetting для электродкотлов Tronic Heat 3000/3500**

BoschELBSetting программа предназначена для связи с электроникой котлов Bosch под названием Tronic Heat 3000, Tronic Heat 3500 и последующие котлы той же серии. Это электрические котлы для отопления или горячей воды, и также могут служить в качестве резервного источника для котлов на твердое топливо. К котлам можно подключить несколько дополнительных модулей, которые расширяют возможности электрических котлов.

BoschELBSetting программа может обновить встроенное программное обеспечение (firmware) дополнительных модулей EKR или GSM и через них также встроенное программное обеспечение электроники ELB и модуля ELB_KASK. Для этого необходимый кабель USB (USB2-A / B мини) или преобразователь BoschELBConverter. Причина этого обновления может быть необходимое подключение дополнительного модуля / модулей к котлу с более старой версией прошивки (C4). Также возможно котел (электронику ELB; ELB_KASK и дополнительные модули) программой BoschELBSetting онлайн-мониторировать.

Таким образом, программа BoschELBSetting в первую очередь предназначена для специалистов по техническому обслуживанию. Работает на PC с Windows WinXP(sp3)/7/8,1/10 (32/64bit). Обновленную версию программы BoschELBSetting можно загрузить с интернет адреса: <http://www.junkers.cz> или <http://www.ers.sk/sk/Podpora.alej>. Для установки следуйте инструкции по картинкам (смотри ниже ... некоторые позиции картин могут быть разными - программа постоянно развивается).

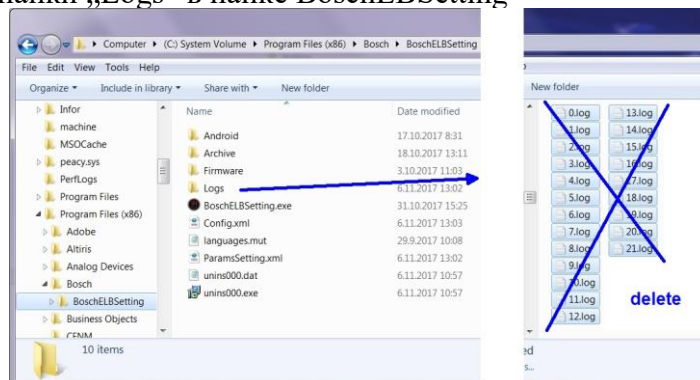
Для фактической установки необходимо обладать правами администратора и для правильного отображения всех параметров и коммуникацию с модулями необходимо выполнить обновление firmware электроники ELB по меньшей мере на версию C5 – для „Программист (версия)“ ≥ 0.5 !! Чтобы отслеживать пользовательские и сервисные параметры, необходимо их программой BoschELBSetting сначала загрузить. Подключение модулей с электроникой управления описано в инструкциях отдельных модулей.

Пользовательский режим: через программу BoschELBSetting, дополнительные модули EKR или GSM и кабель USB можно состав мониторировать, изменять пользовательские параметры и обновить встроенное программное обеспечение.

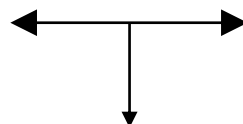
Сервисный режим: с преобразователем BoschELBConverter в дополнение к возможностям пользовательского режима можно также изменять сервисные параметры.

Внимание:

- изменение микропрограммы не изменяет параметры пользователя или службы. Активация параметра SE90 изменить все параметры к заводским установкам
- сохраните последнюю функциональную версию NET.Framework
- если вы не можете запустить недавно установленную версию BoschELBSetting, удалите файлы *.log из папки „Logs“ в папке BoschELBSetting



**Tronic Heat
3000/3500**



PC



USB cable + modules

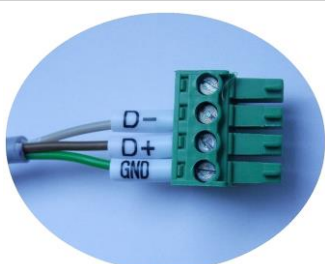
- module ELB-EKR
- module ELB-GSM
- (- ELB electronics)

(setting of user parameters)

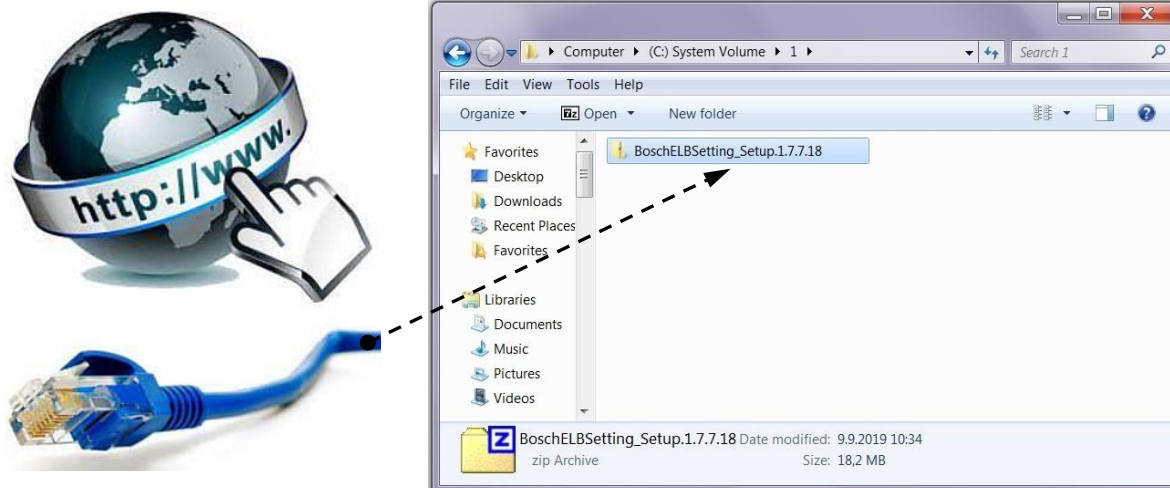
BoschELBConverter (+ modules)

- ELB electronics
- module ELB-EKR
- module ELB-GSM

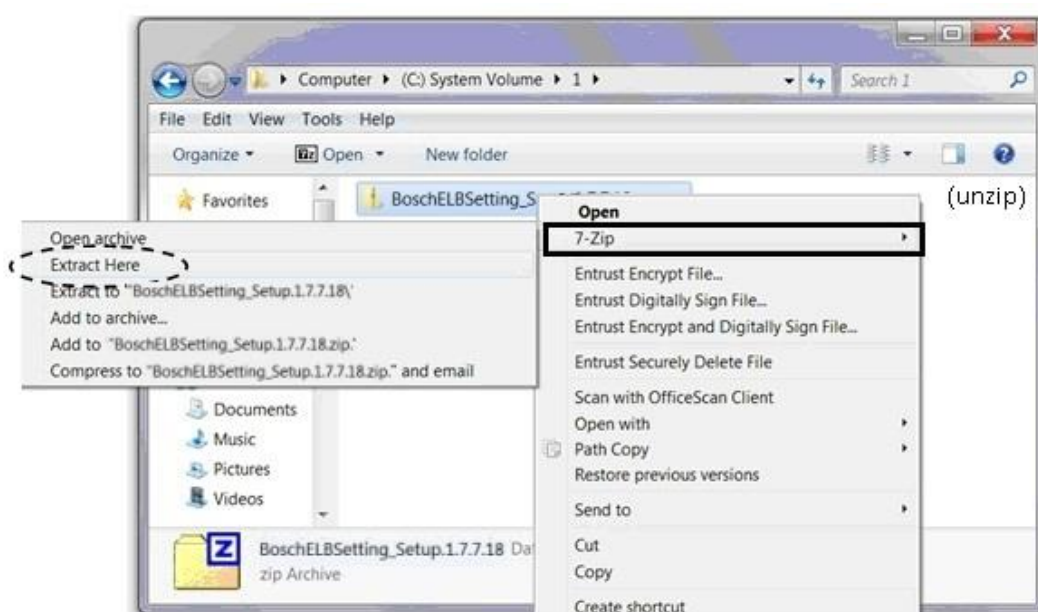
(setting of service parameters)



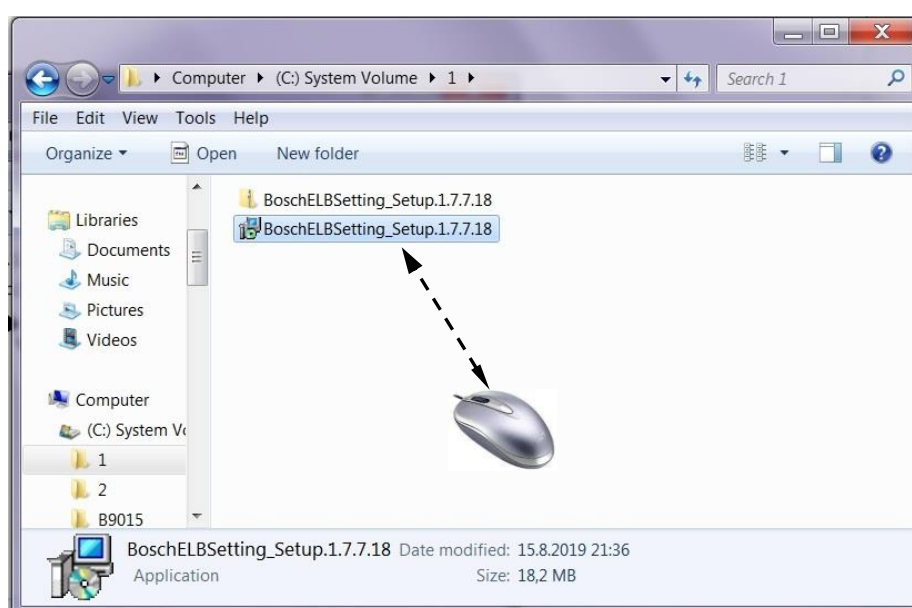
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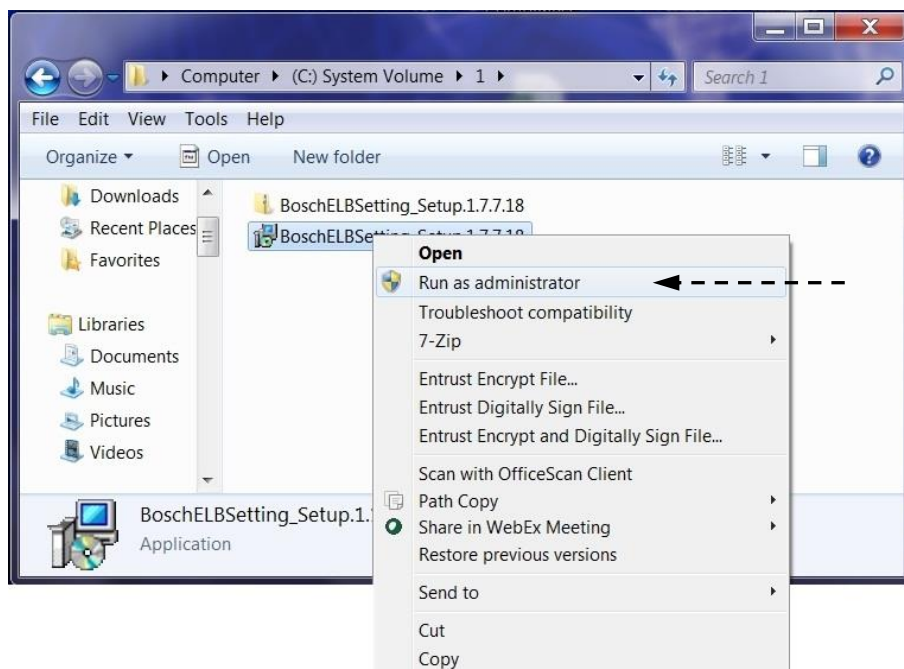
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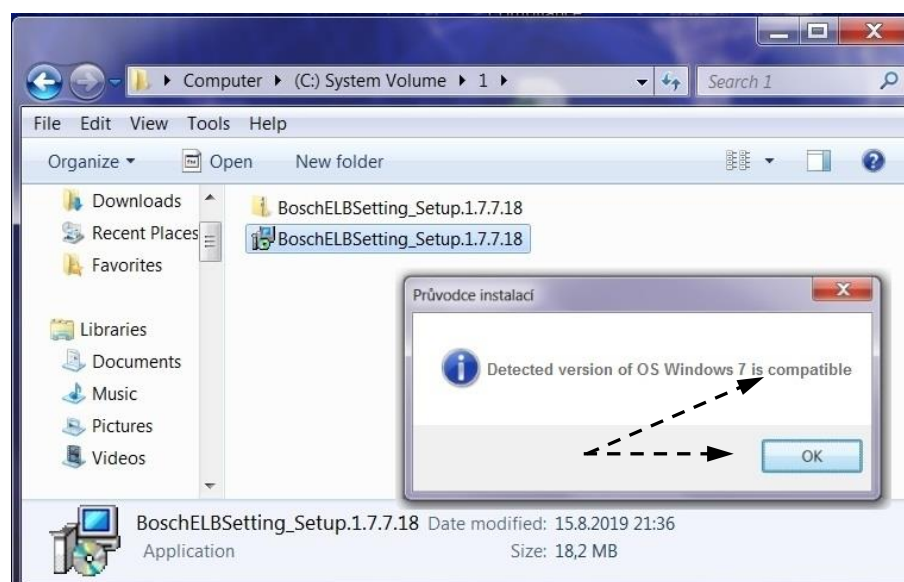
3.



4.

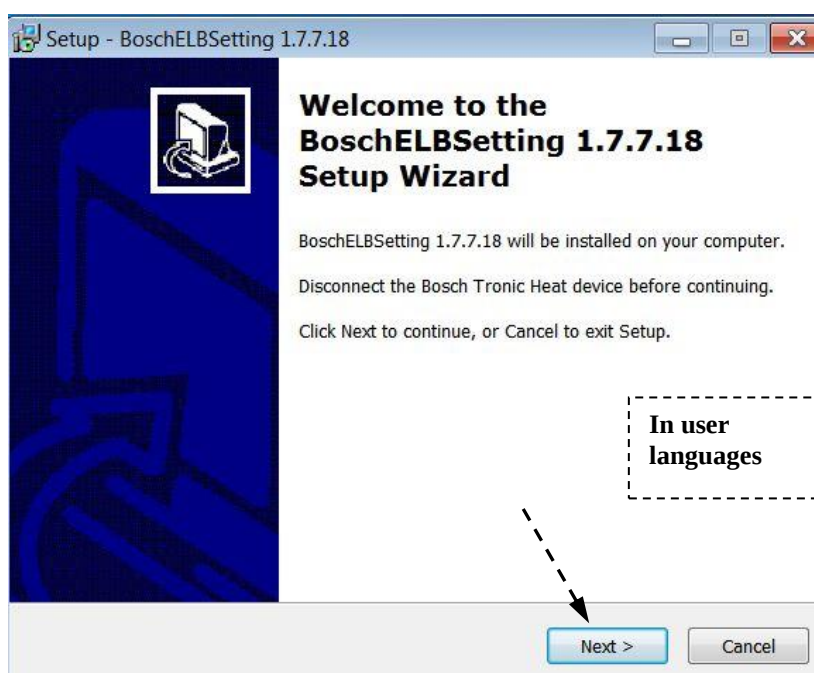
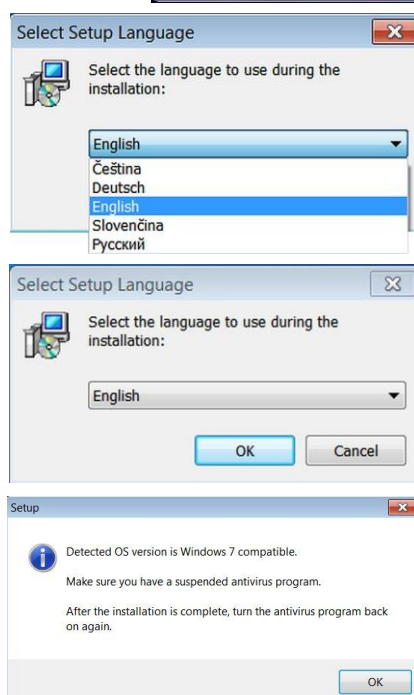


5.



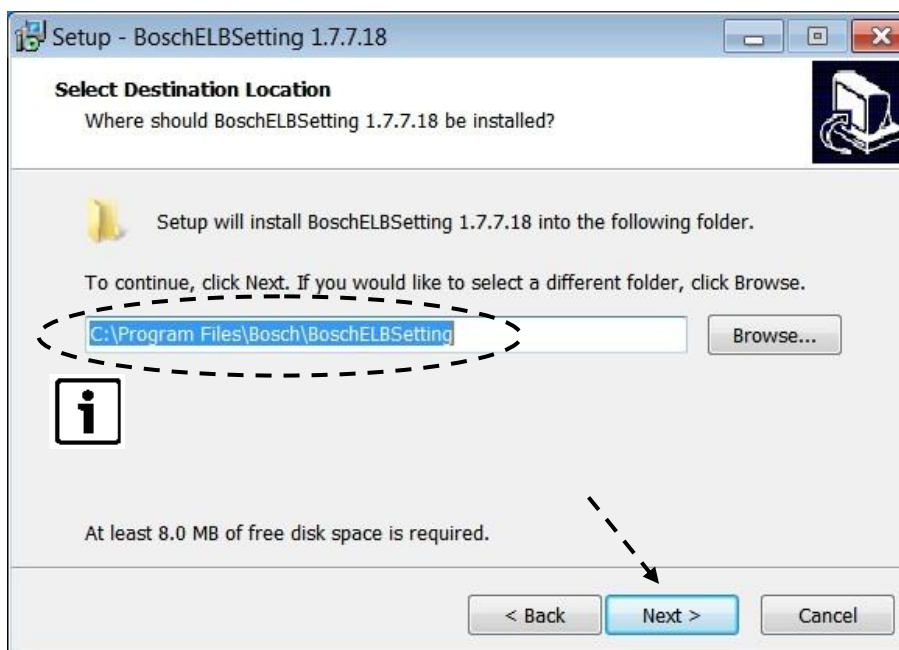
**WinXP(sp3)
Win7
Win8,1
Win10
(32/64bit)**

6.

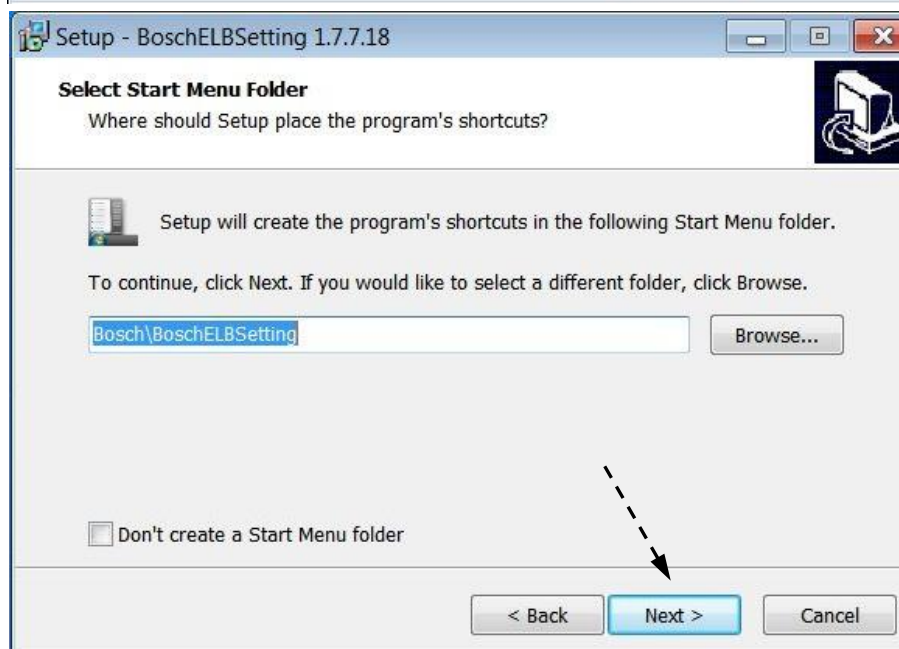


**In user
languages**

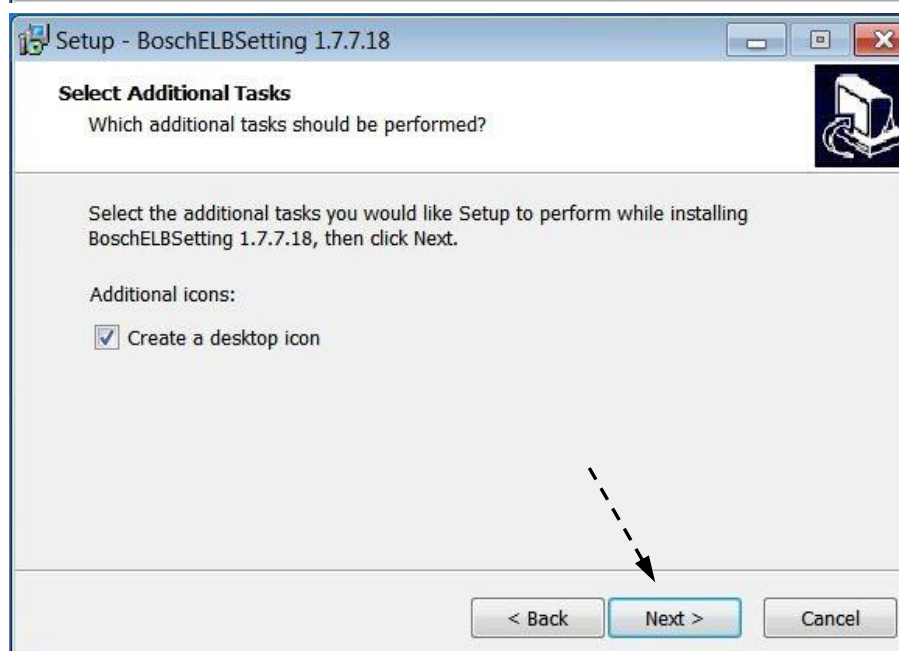
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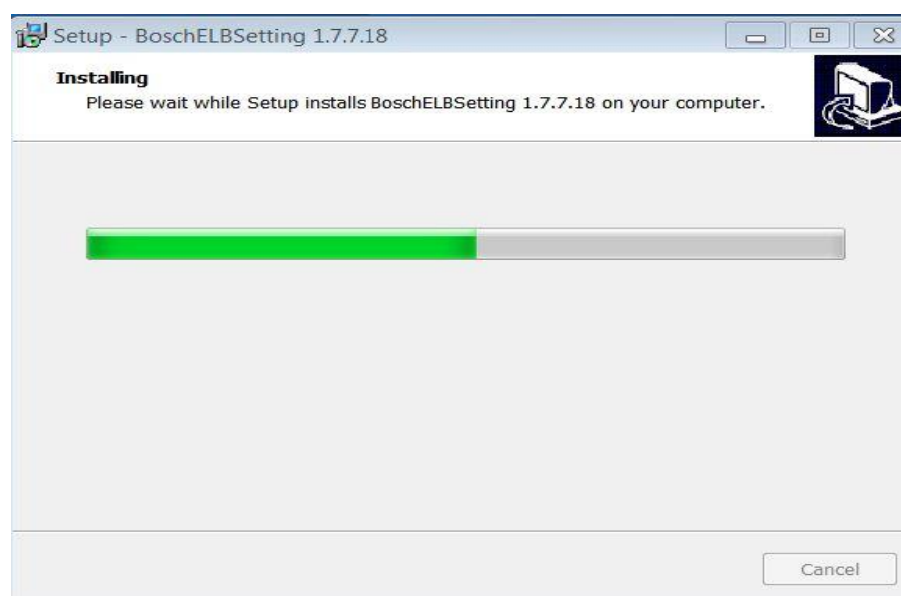
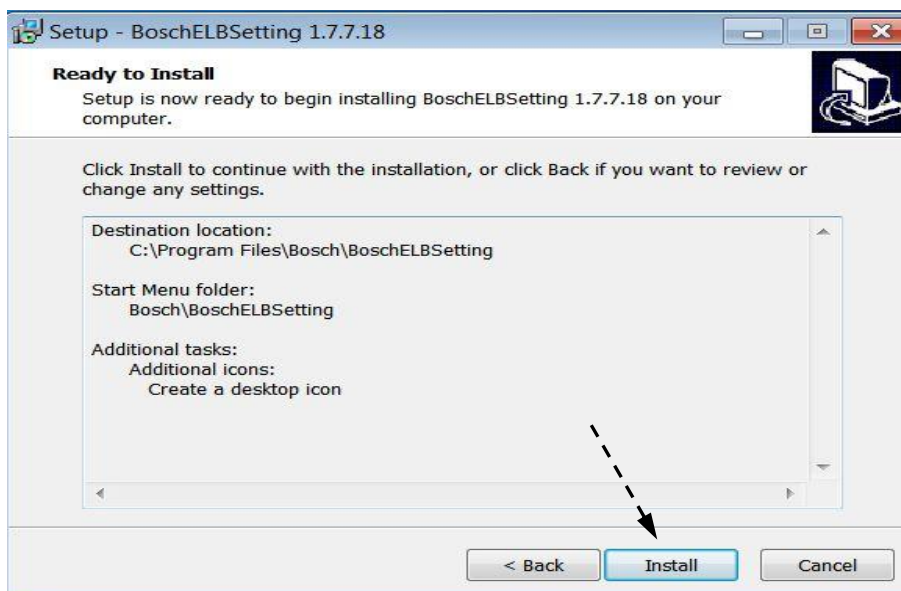
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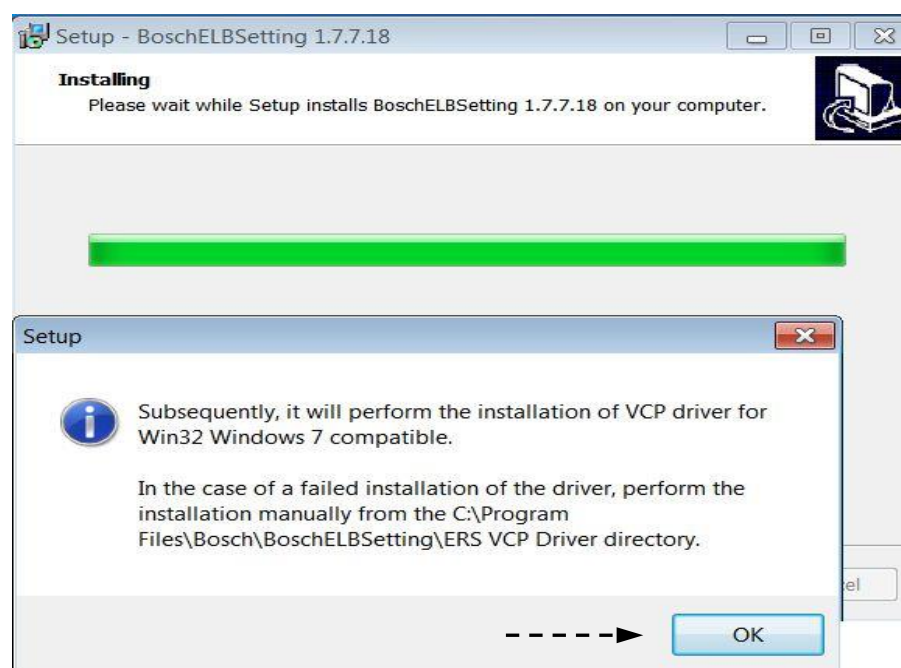
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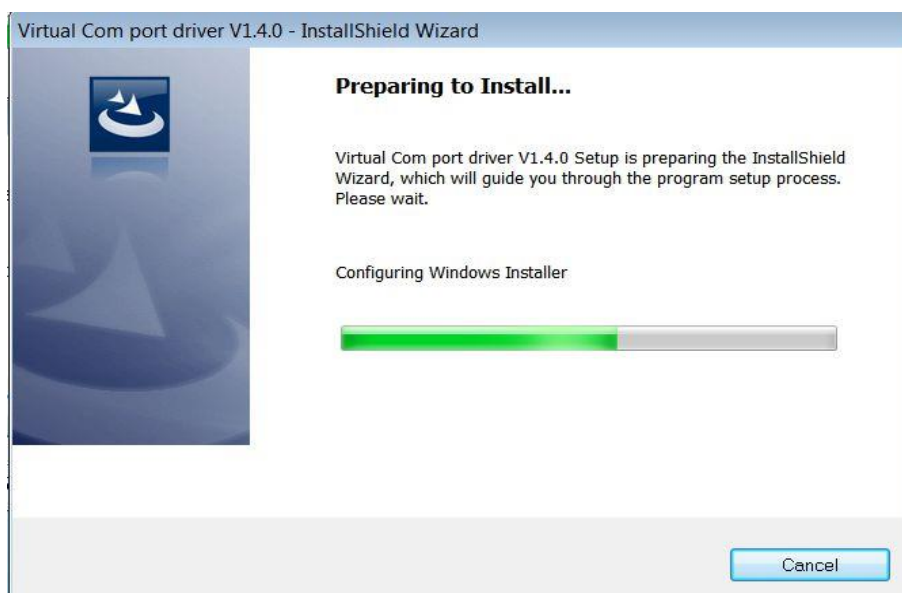


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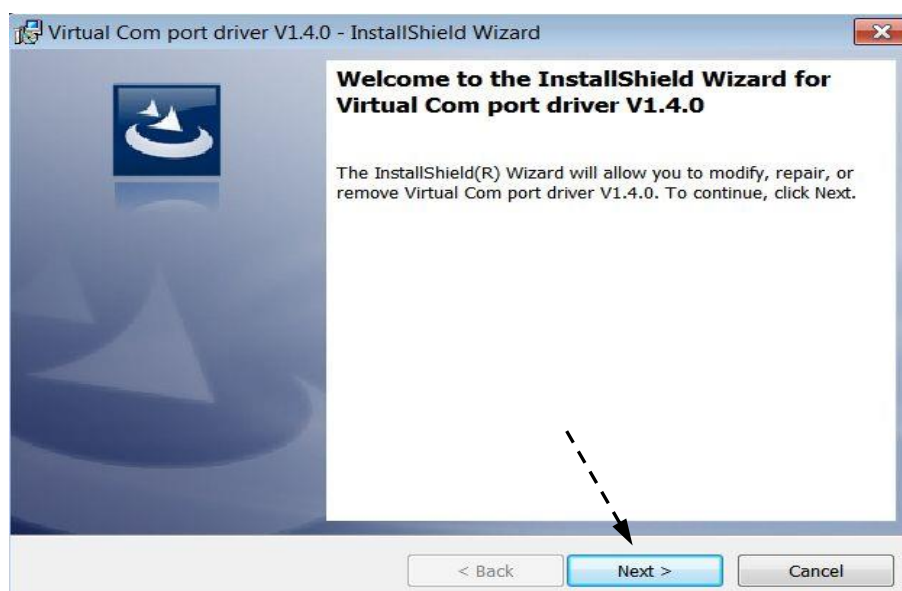


11.





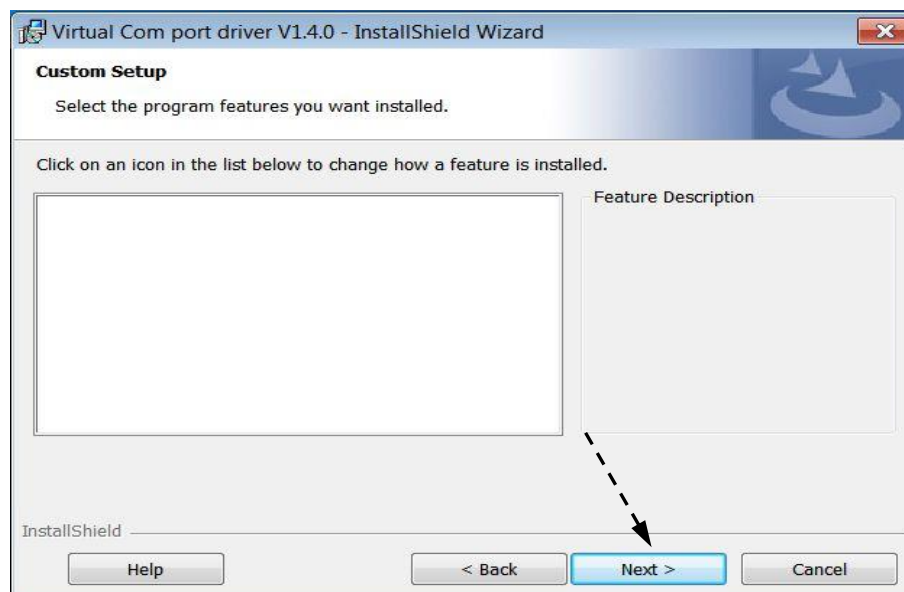
12.



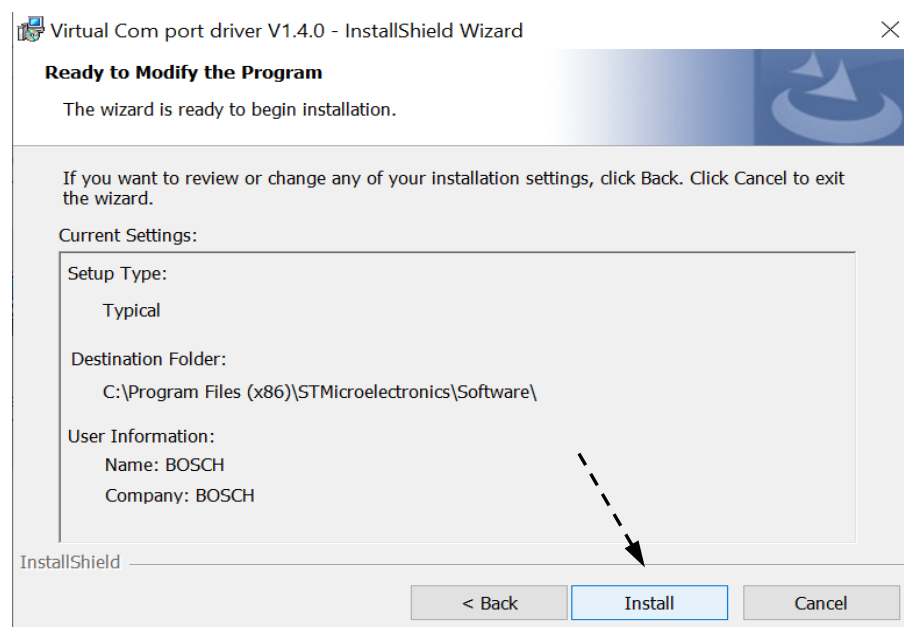
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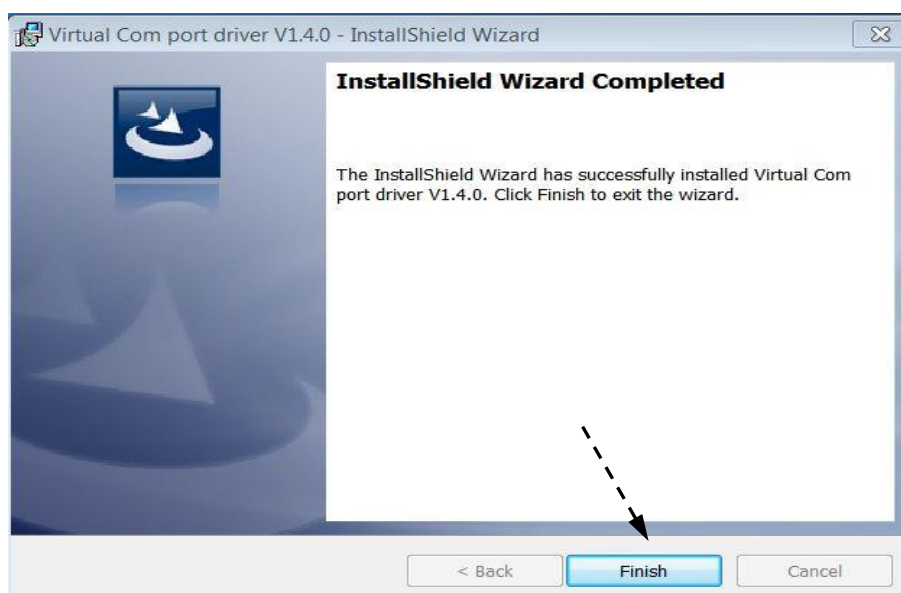
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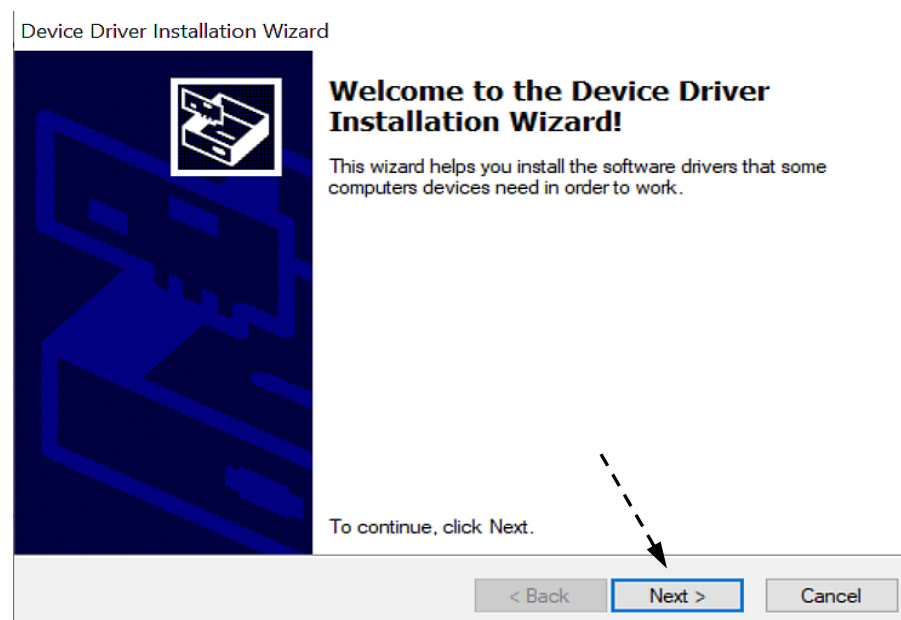
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16.



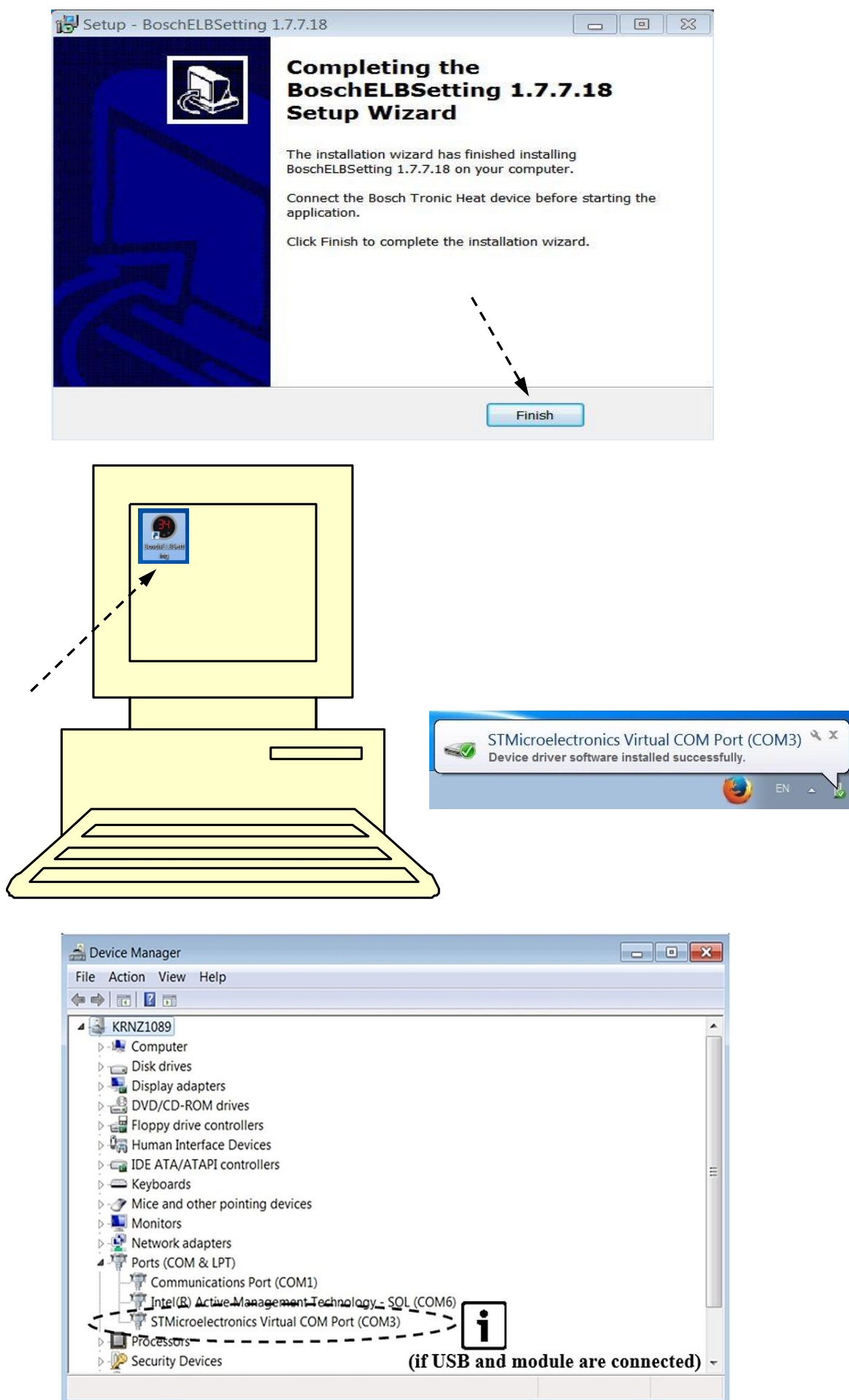
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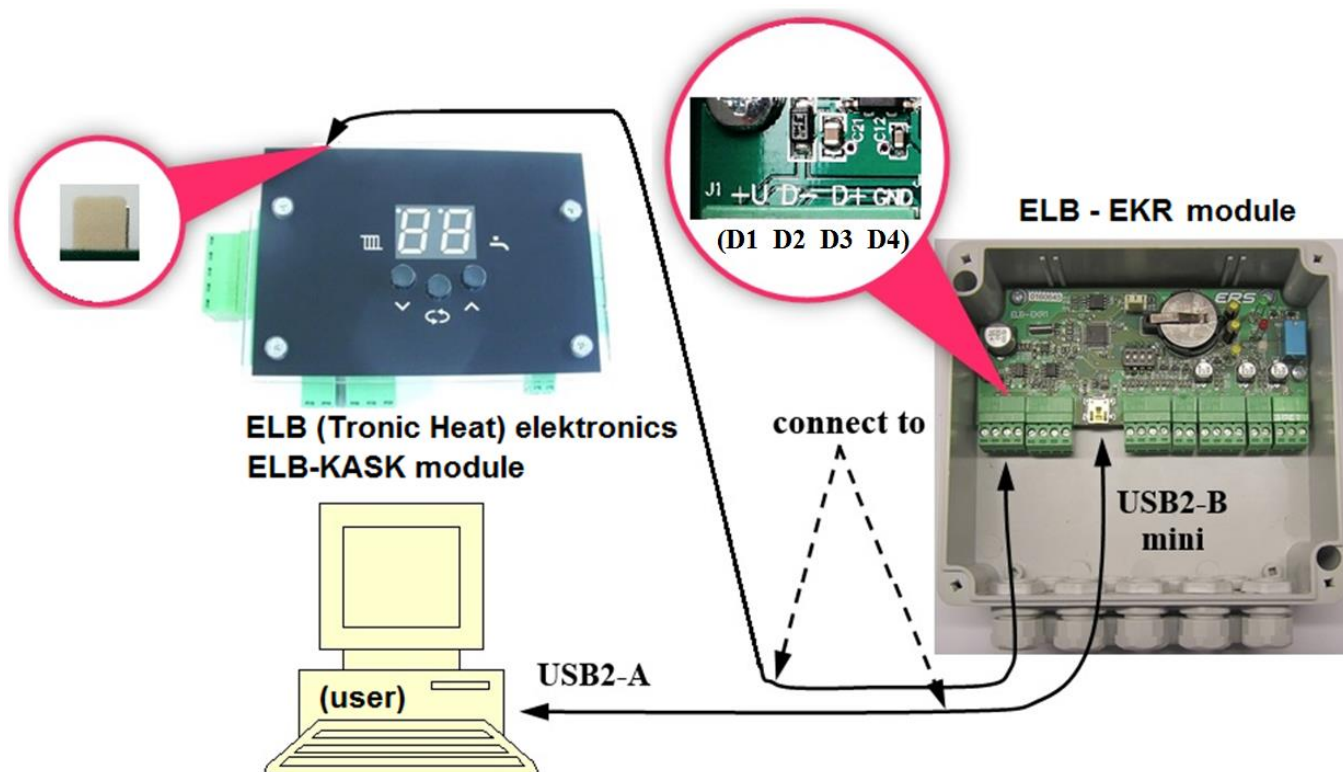
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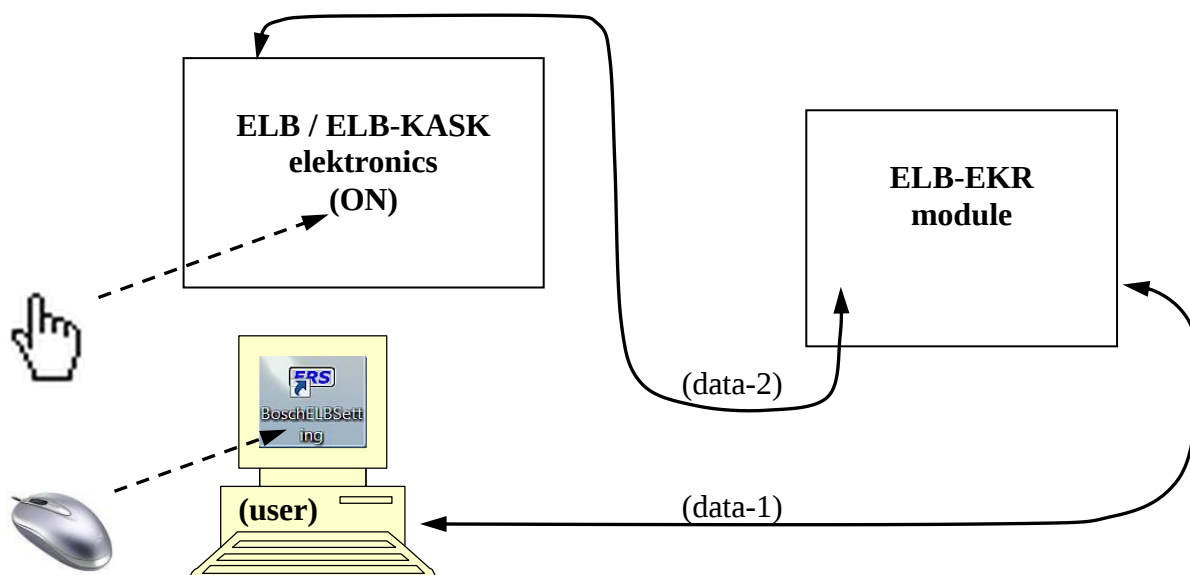
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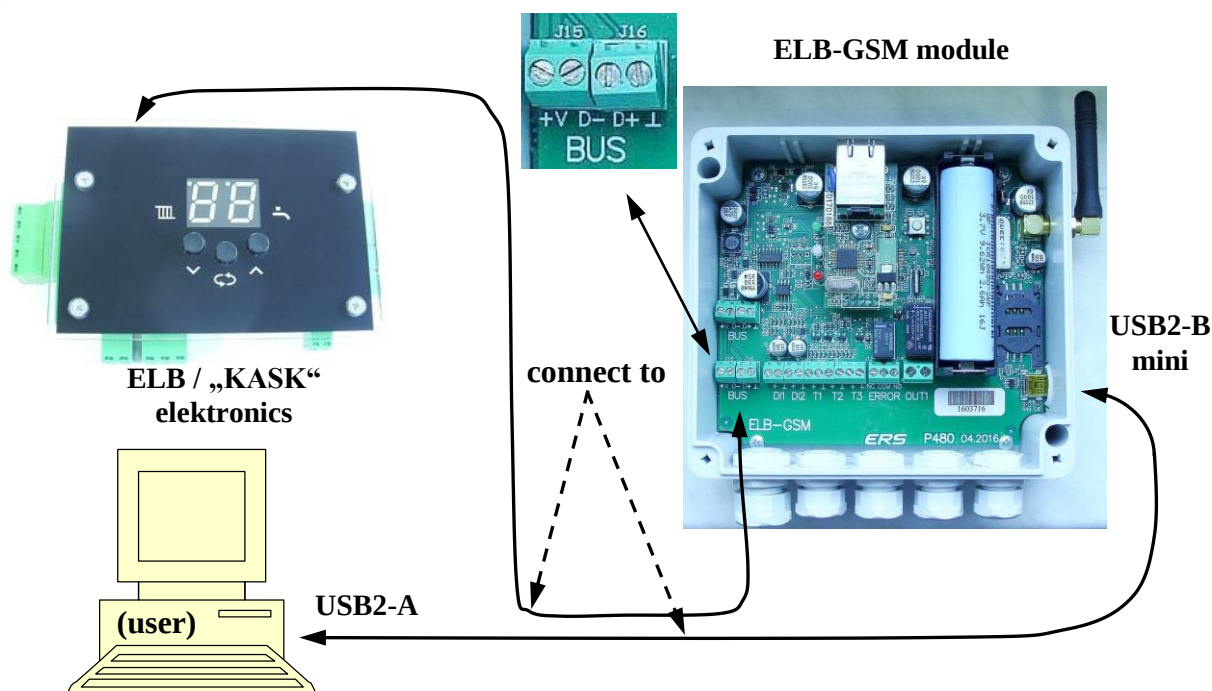
20A. User possibilities (with USB cable and ELB-EKR module)



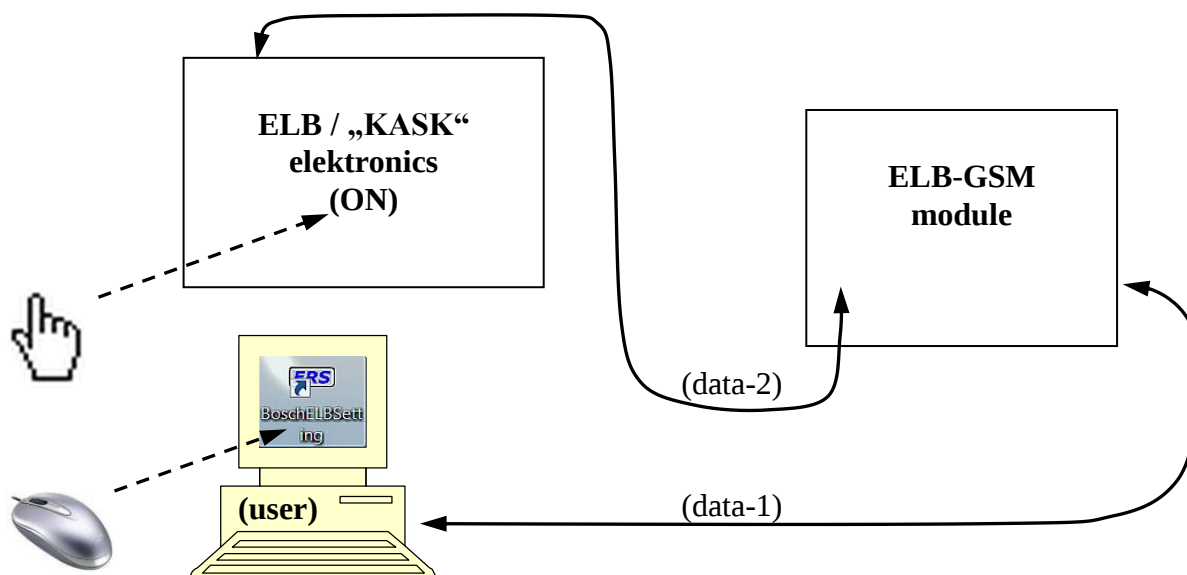
20B.



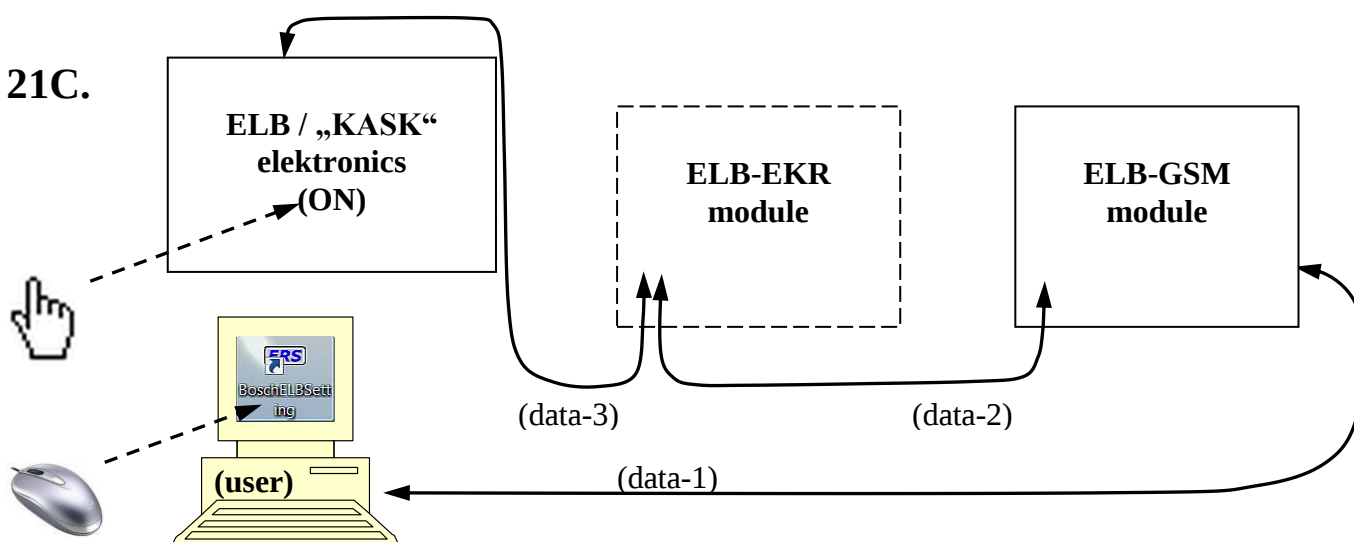
21A. User possibilities (with USB cable and ELB-GSM / -LAN / -WLAN modules)



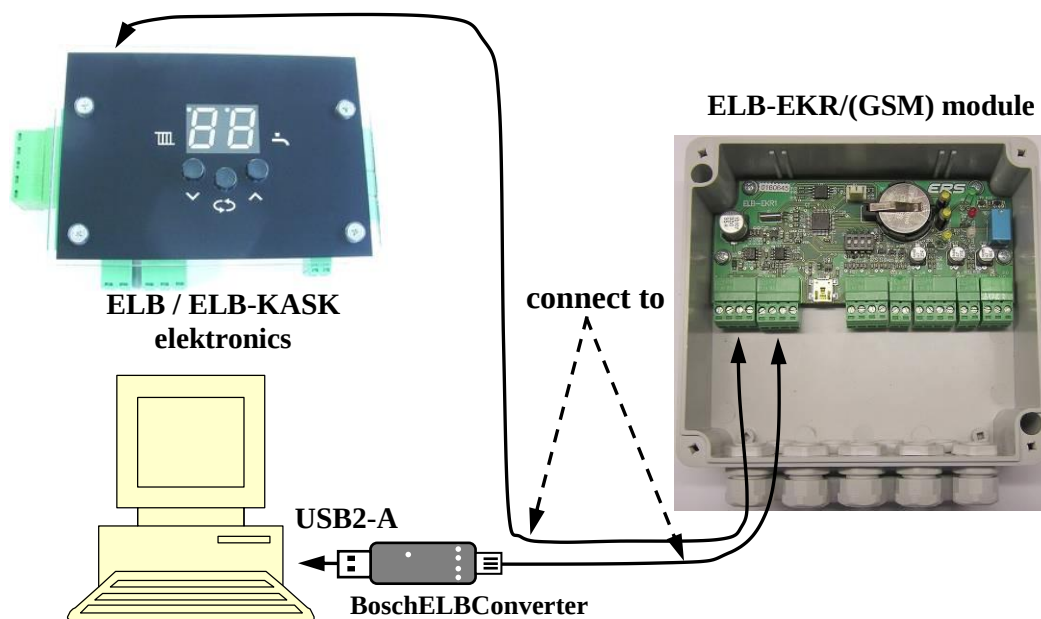
21B.



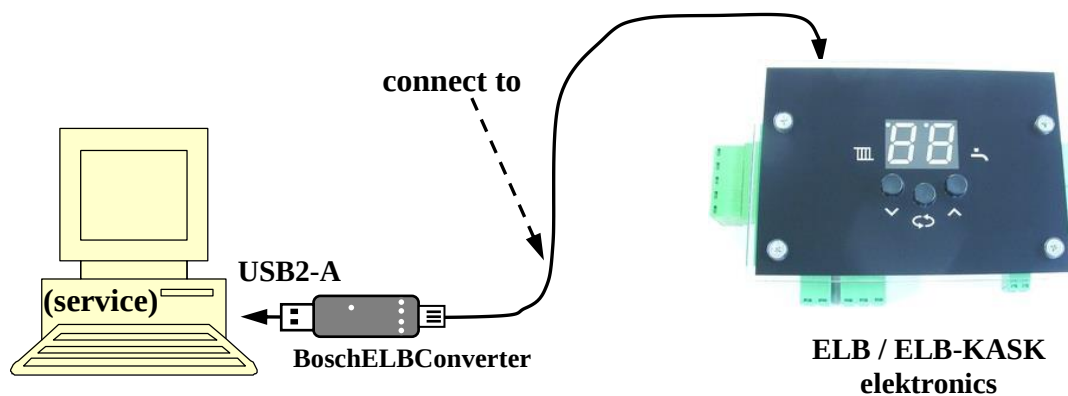
21C.



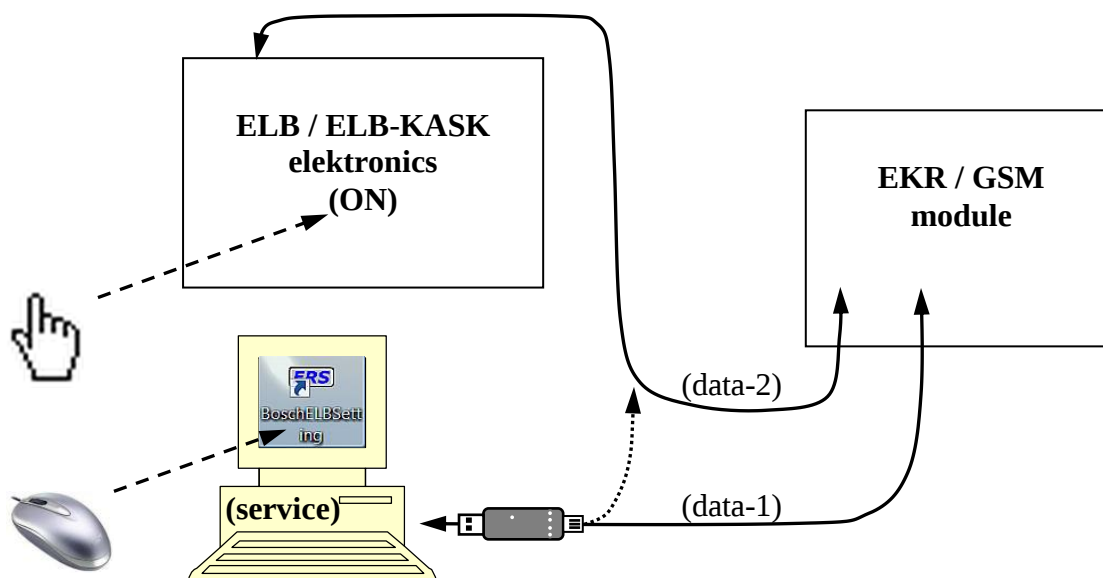
22A. Service possibilities (with BoschELBConverter and ELB-... modules)



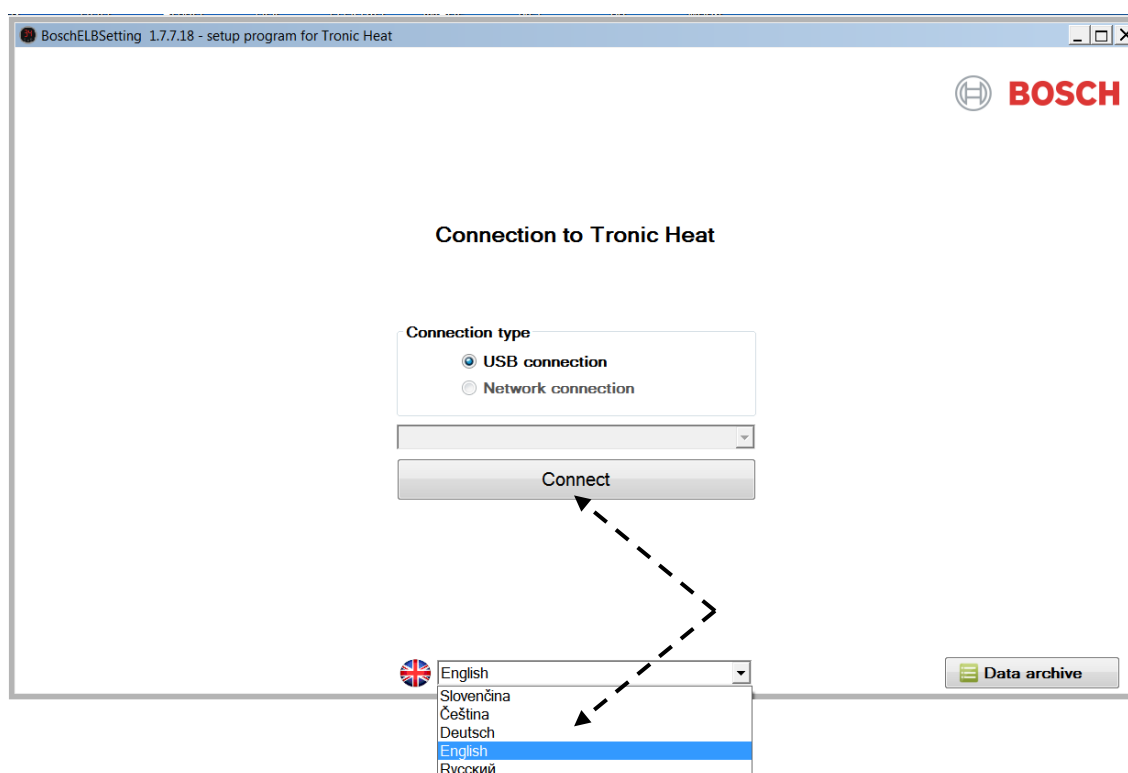
22B.



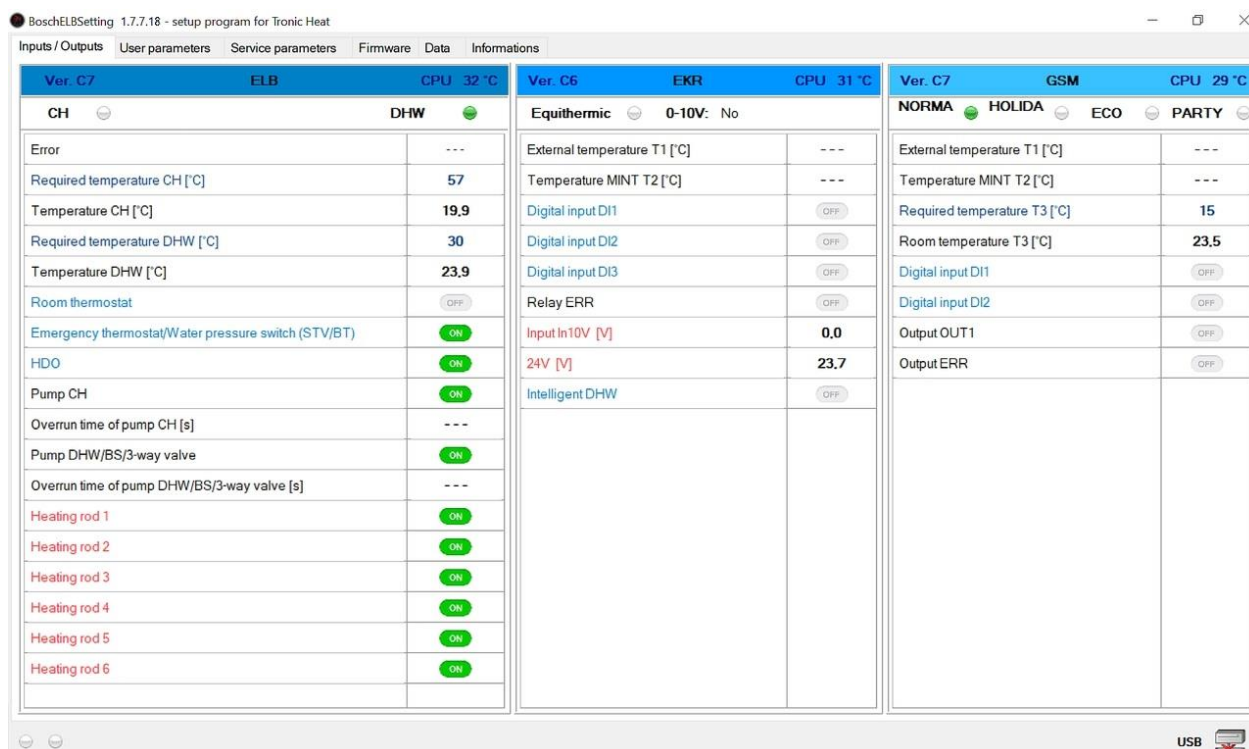
22C.



23A. Start the program BoschELBSetting

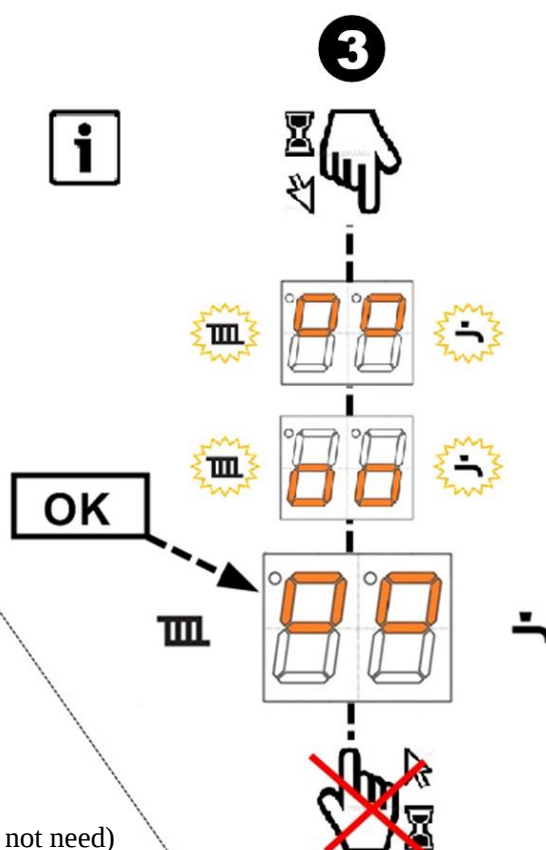
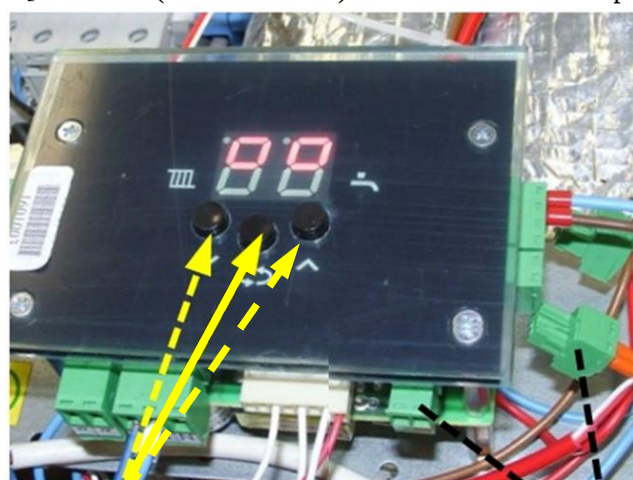


23B.



24. (If the electronics itself do not switch to programming mode)

[Press one (or two or three) buttons to turn on the power]



(Version of „Programmer“ and „Firmware“ < v5 yes - need / ≥ v5 no – not need)

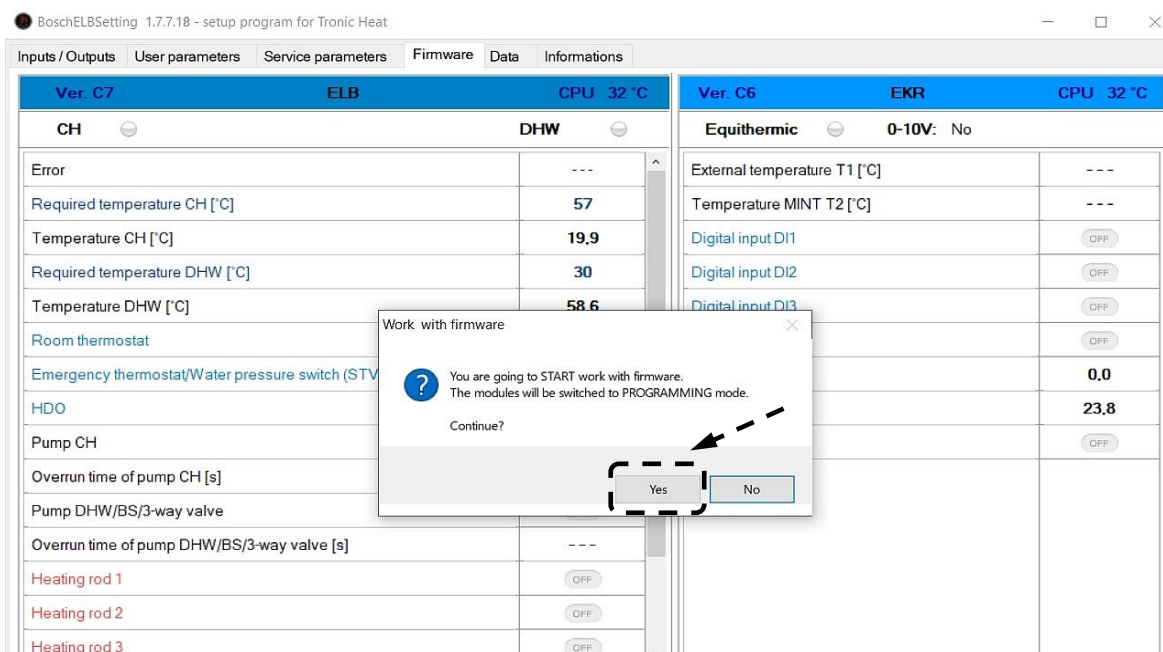
25. Switching to programming mode and update firmware

BoschELBSetting 1.7.7.18 - setup program for Tronic Heat

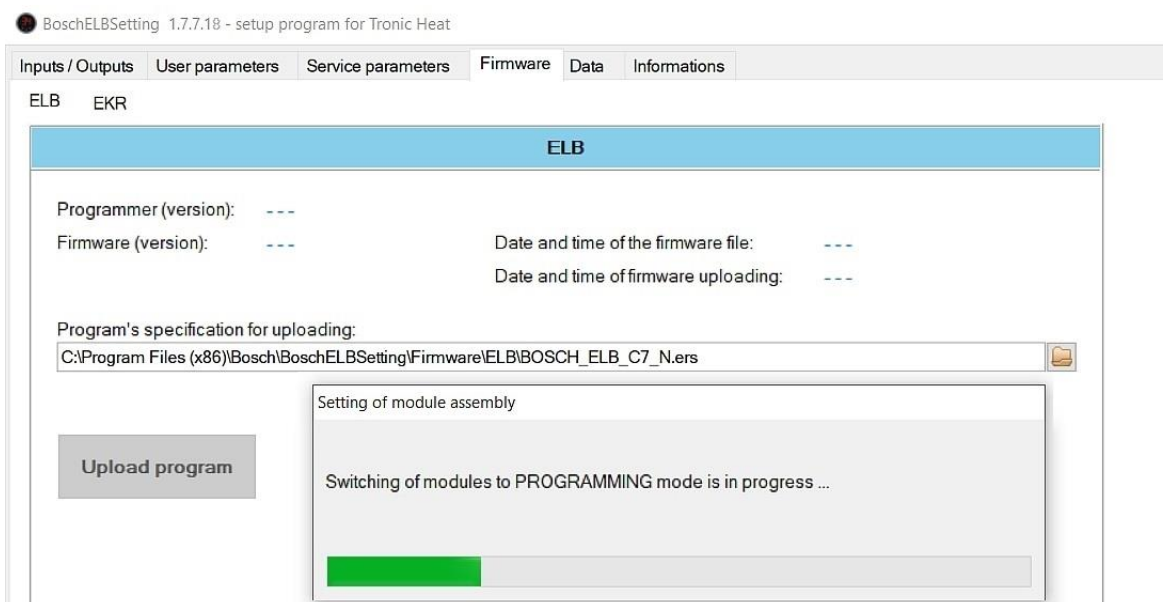
Inputs / Outputs User parameters Service parameters **Firmware** Data Informations

Ver. C7 ELB CPU 31 °C		Ver. C6 EKR CPU 32 °C	
CH	DHW	Equithermic	0-10V: No
Error	---	External temperature T1 [°C]	---
Required temperature CH [°C]	57	Temperature MINT T2 [°C]	---
Temperature CH [°C]	19.9	Digital input DI1	OFF
Required temperature DHW [°C]	30	Digital input DI2	OFF
Temperature DHW [°C]	58.7	Digital input DI3	OFF
Room thermostat	OFF	Relay ERR	OFF
Emergency thermostat/Water pressure switch (STV/BT)	ON	Input In10V [V]	0.0
HDO	ON	24V [V]	23.8
Pump CH	OFF	Intelligent DHW	OFF
Overrun time of pump CH [s]	---		
Pump DHW/BS/3-way valve	OFF		
Overrun time of pump DHW/BS/3-way valve [s]	---		
Heating rod 1	OFF		
Heating rod 2	OFF		
Heating rod 3	OFF		

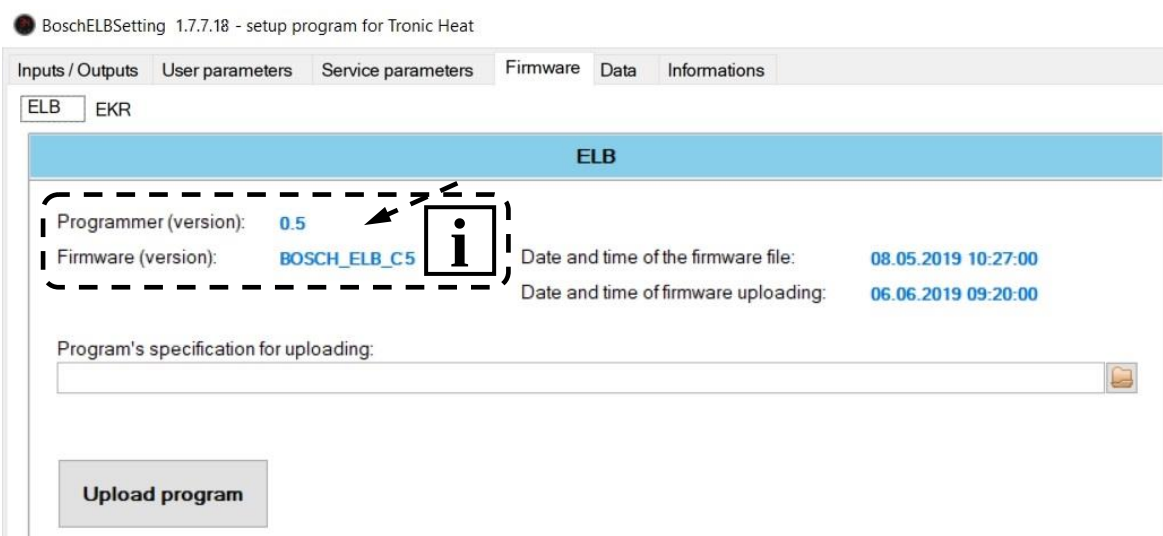
26A.



26B.



26C.

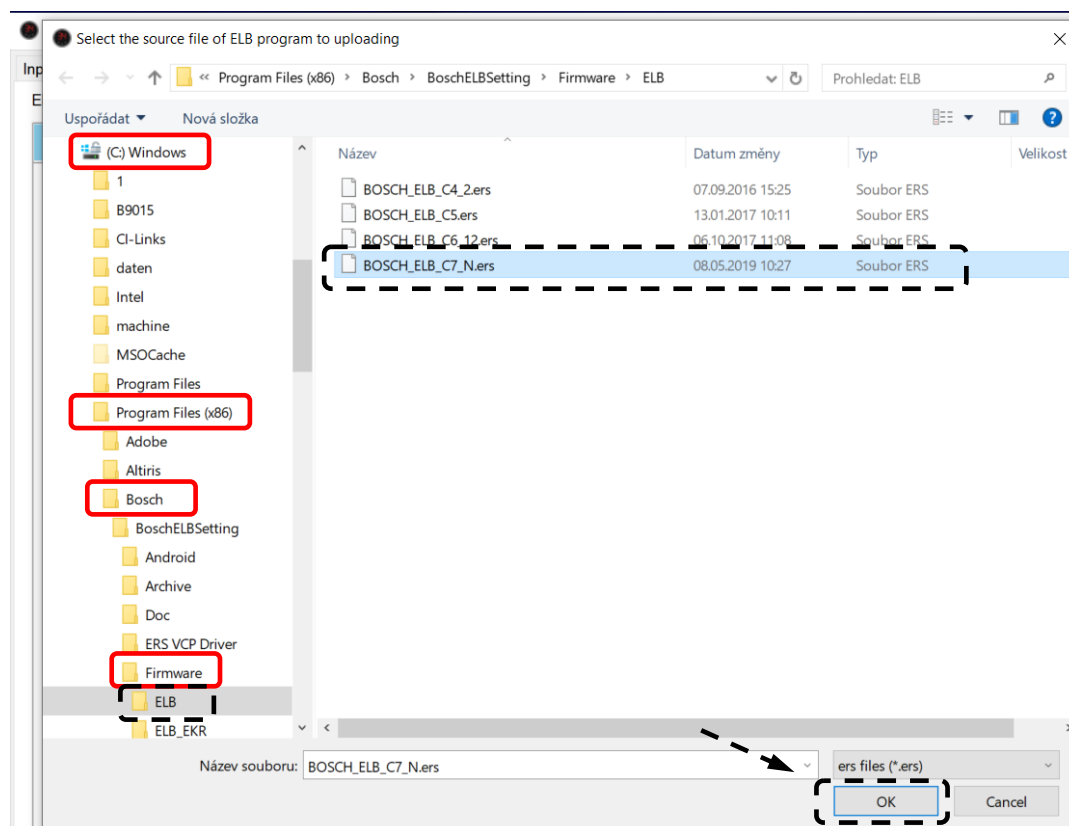


27.

BoschELBSetting 1.7.7.18 - setup program for Tronic Heat

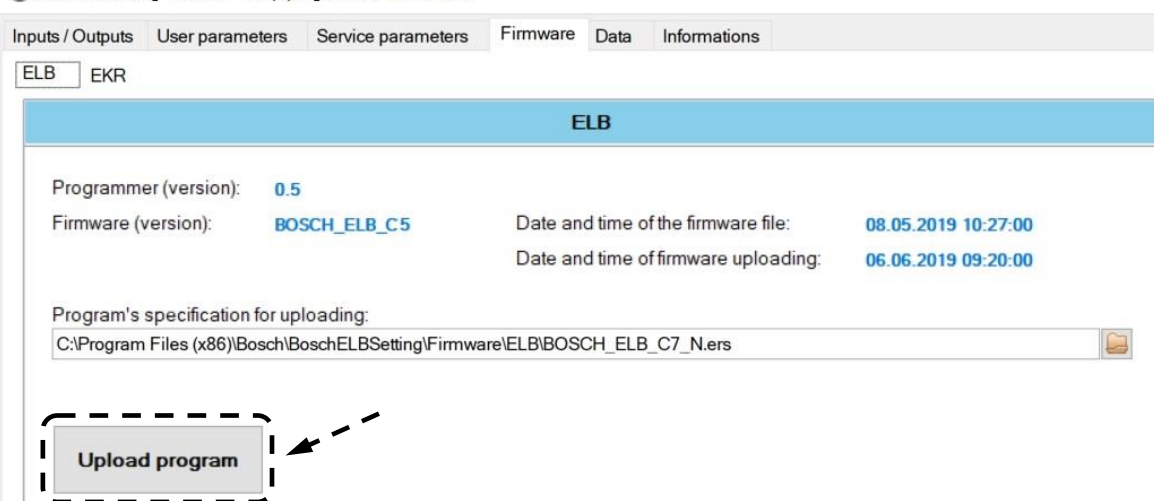


28.

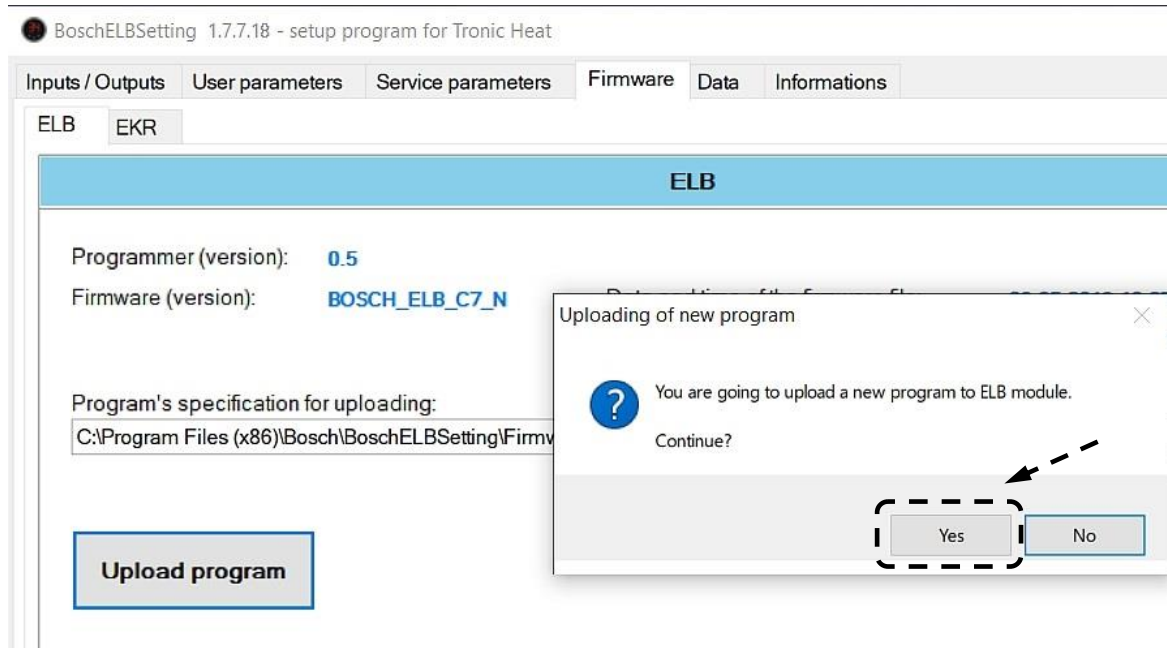


29.

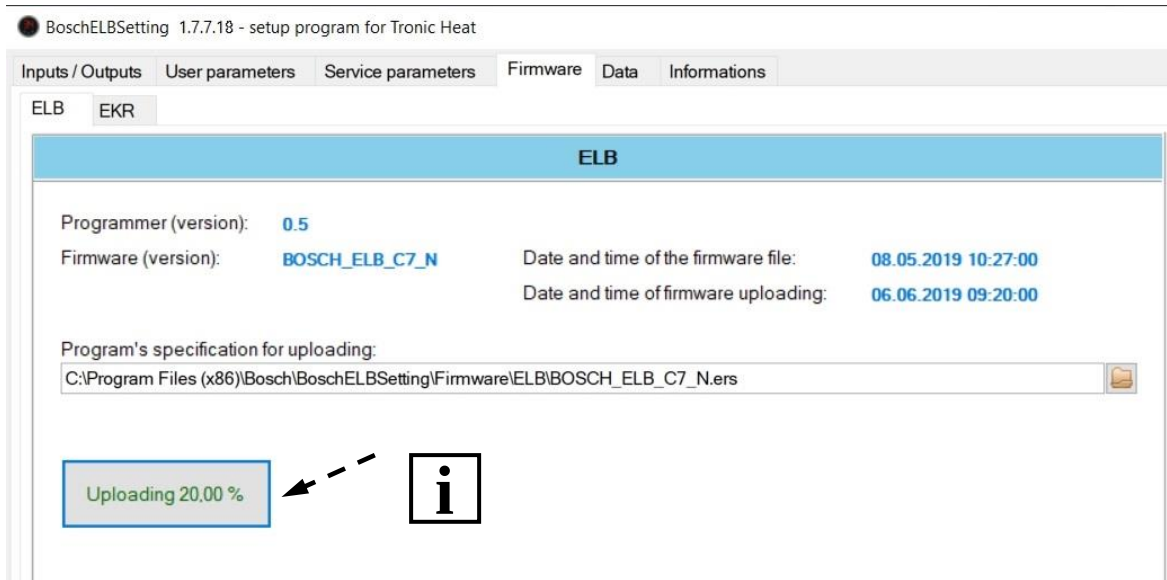
BoschELBSetting 1.7.7.18 - setup program for Tronic Heat



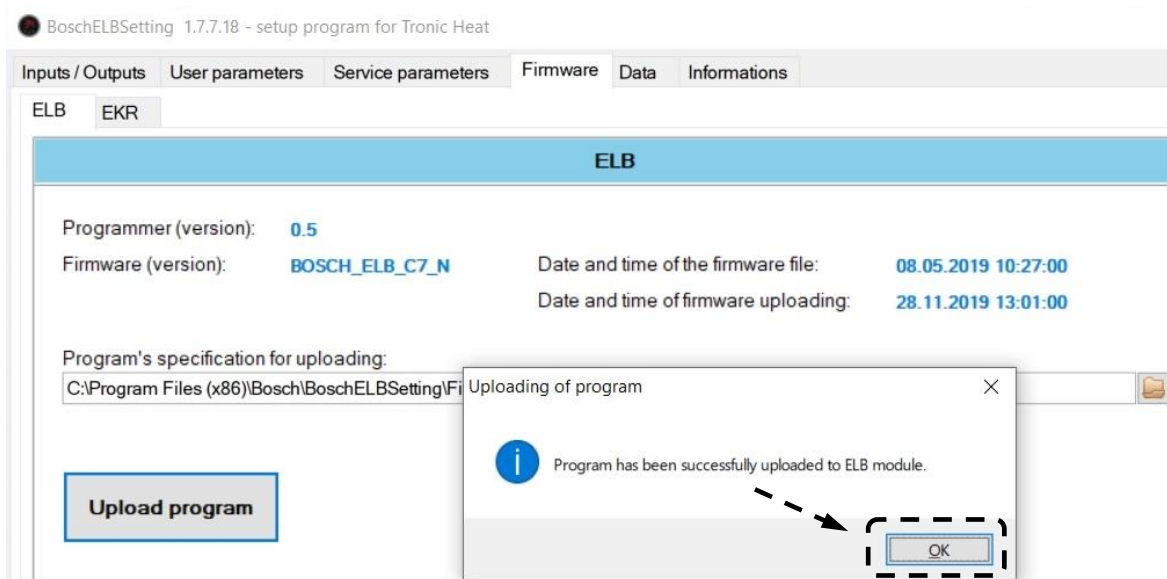
30A.



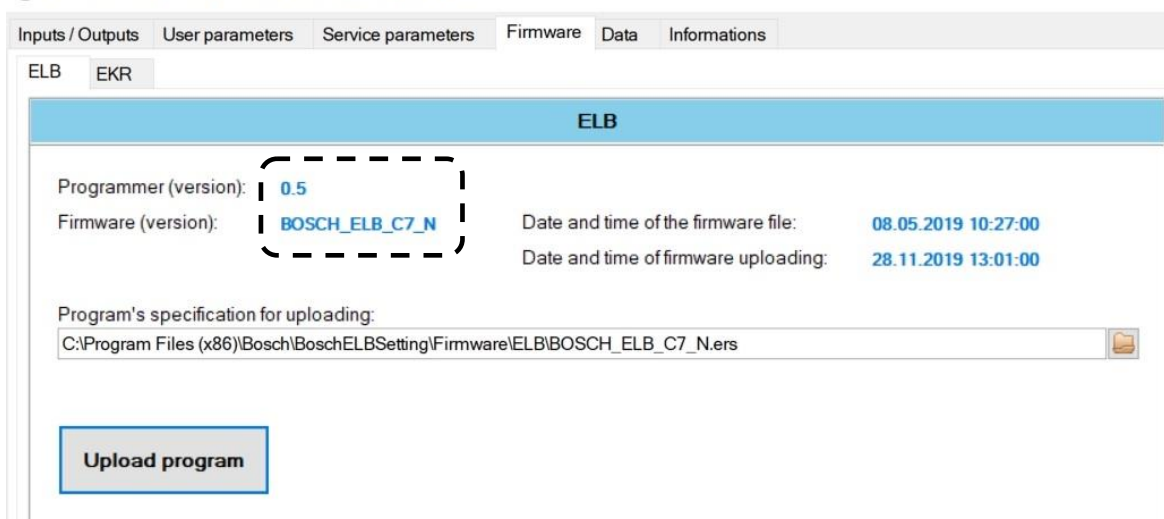
30B.



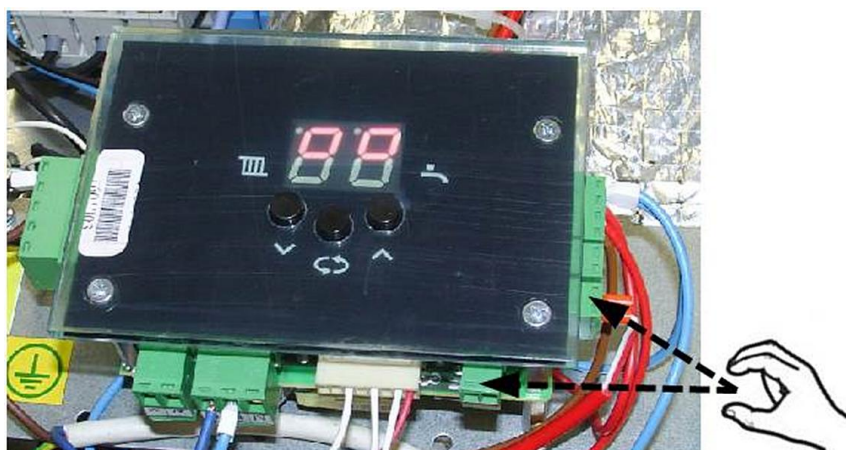
30C.



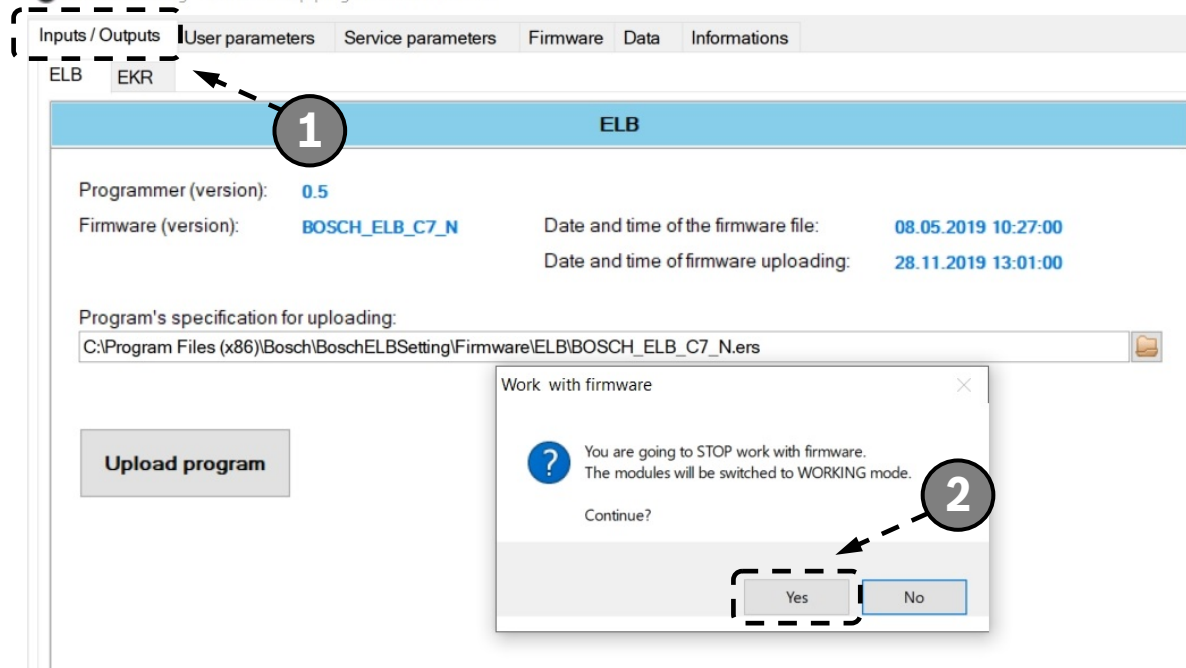
30D. BoschELBSetting 1.7.7.18 - setup program for Tronic Heat



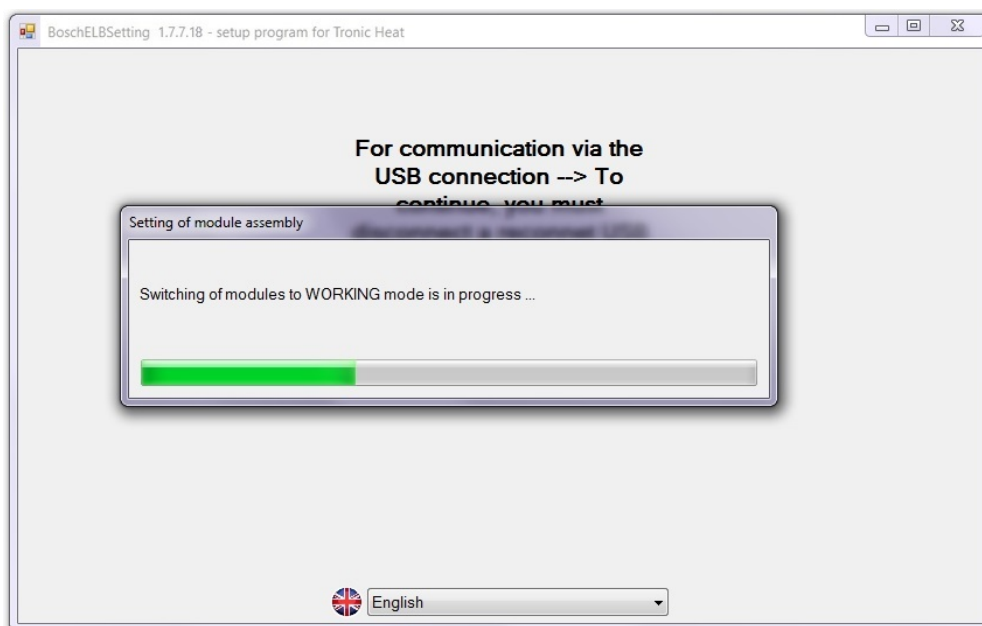
31. Working mode



32A. BoschELBSetting 1.7.7.18 - setup program for Tronic Heat



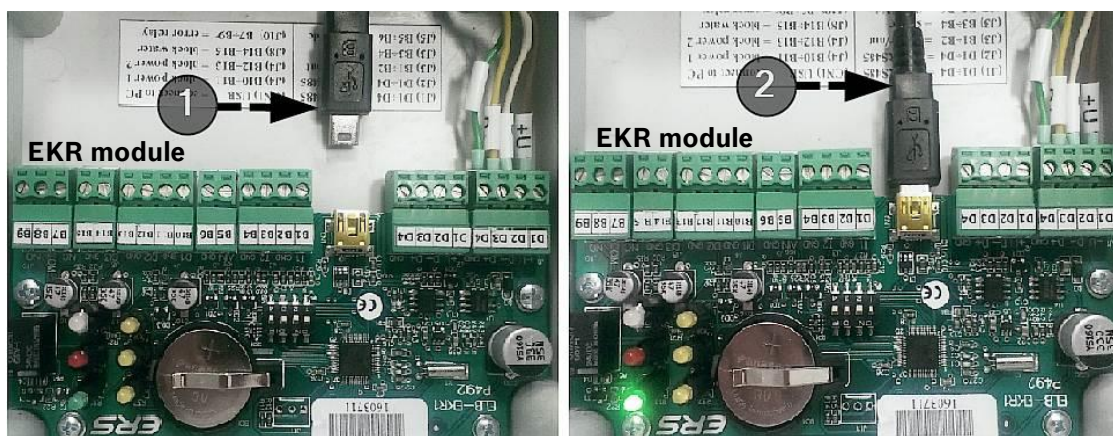
32B.



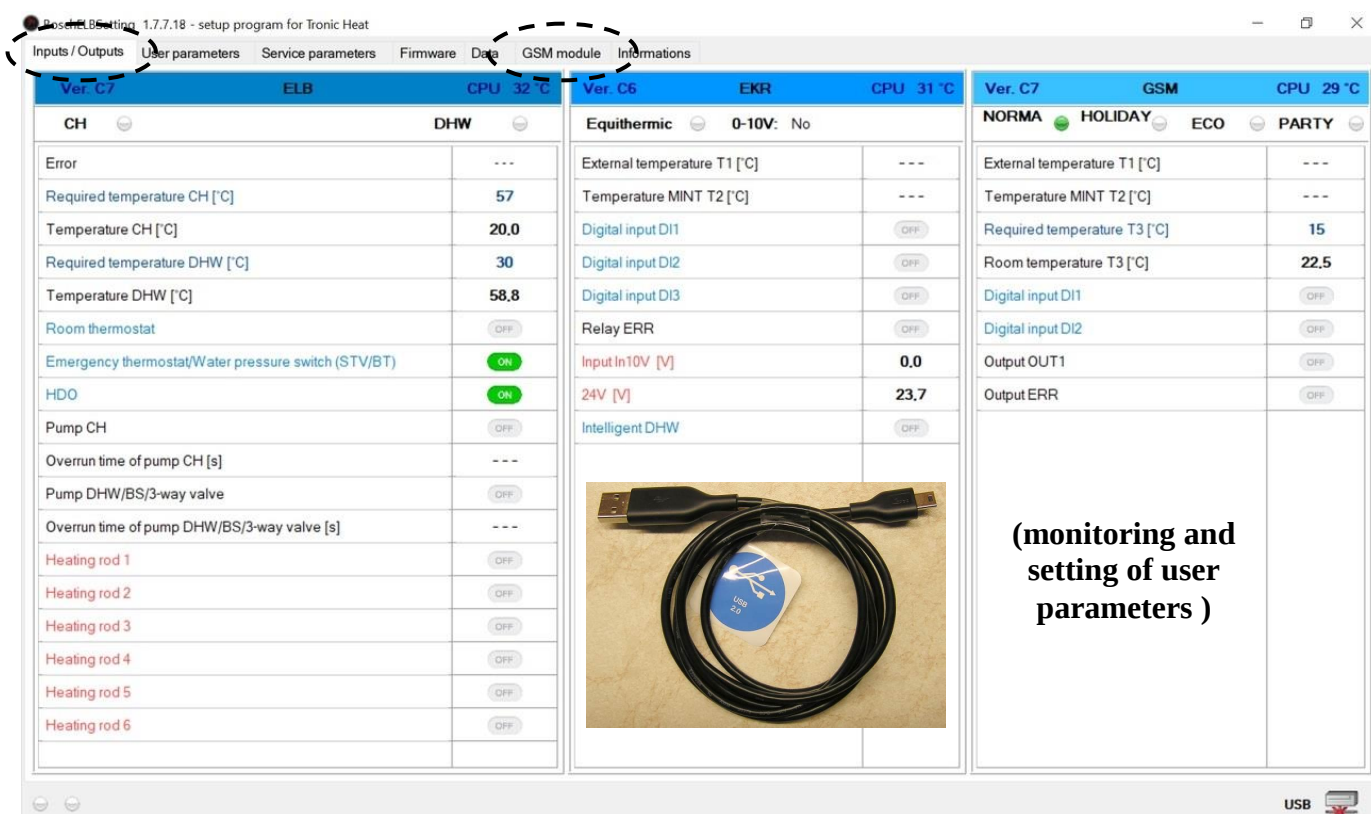
33A.



33B.

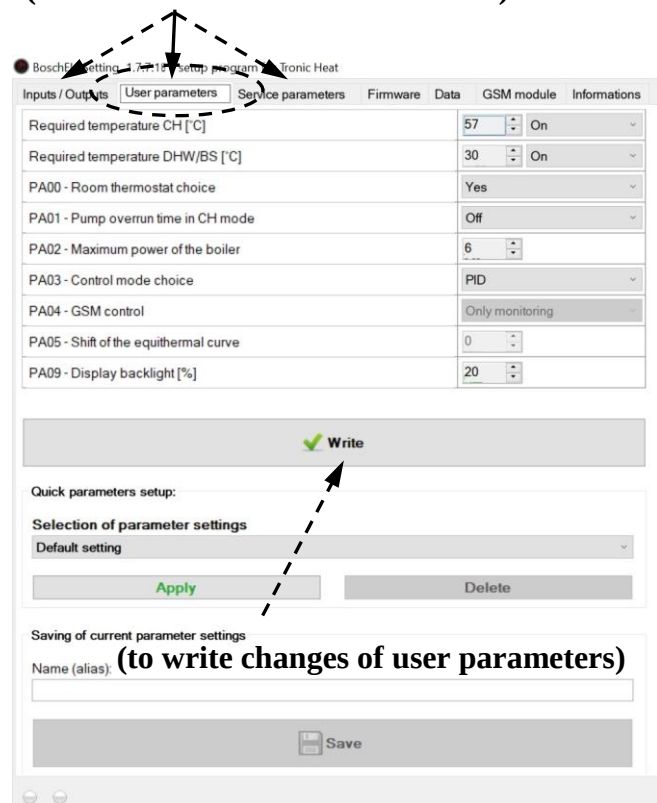


34. User parameters = with USB cable

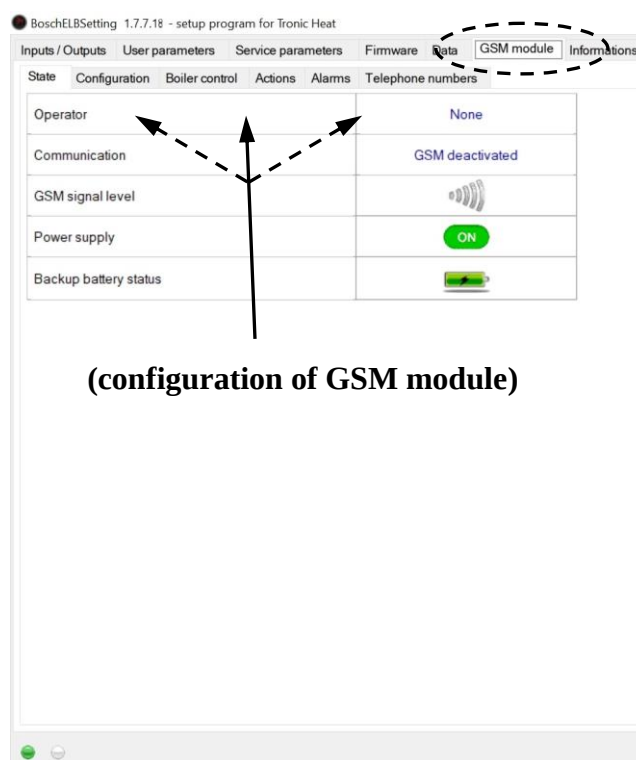


35.

(For current dates - click and click)

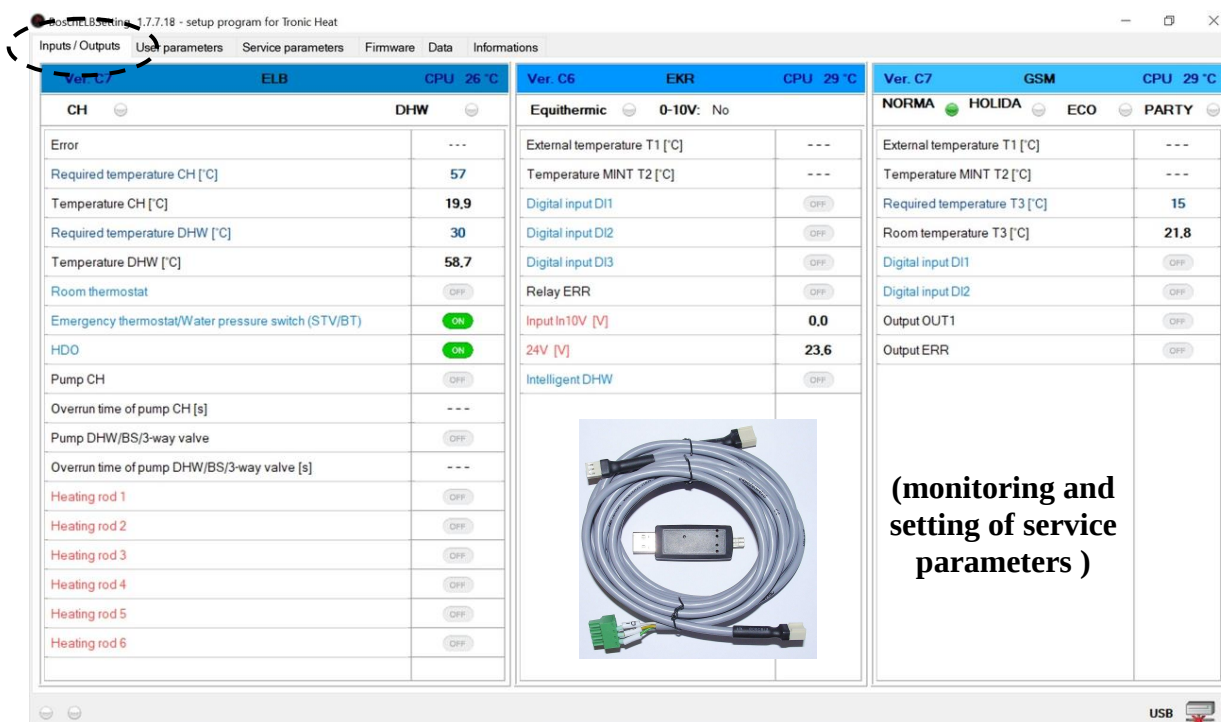


(to write changes of user parameters)

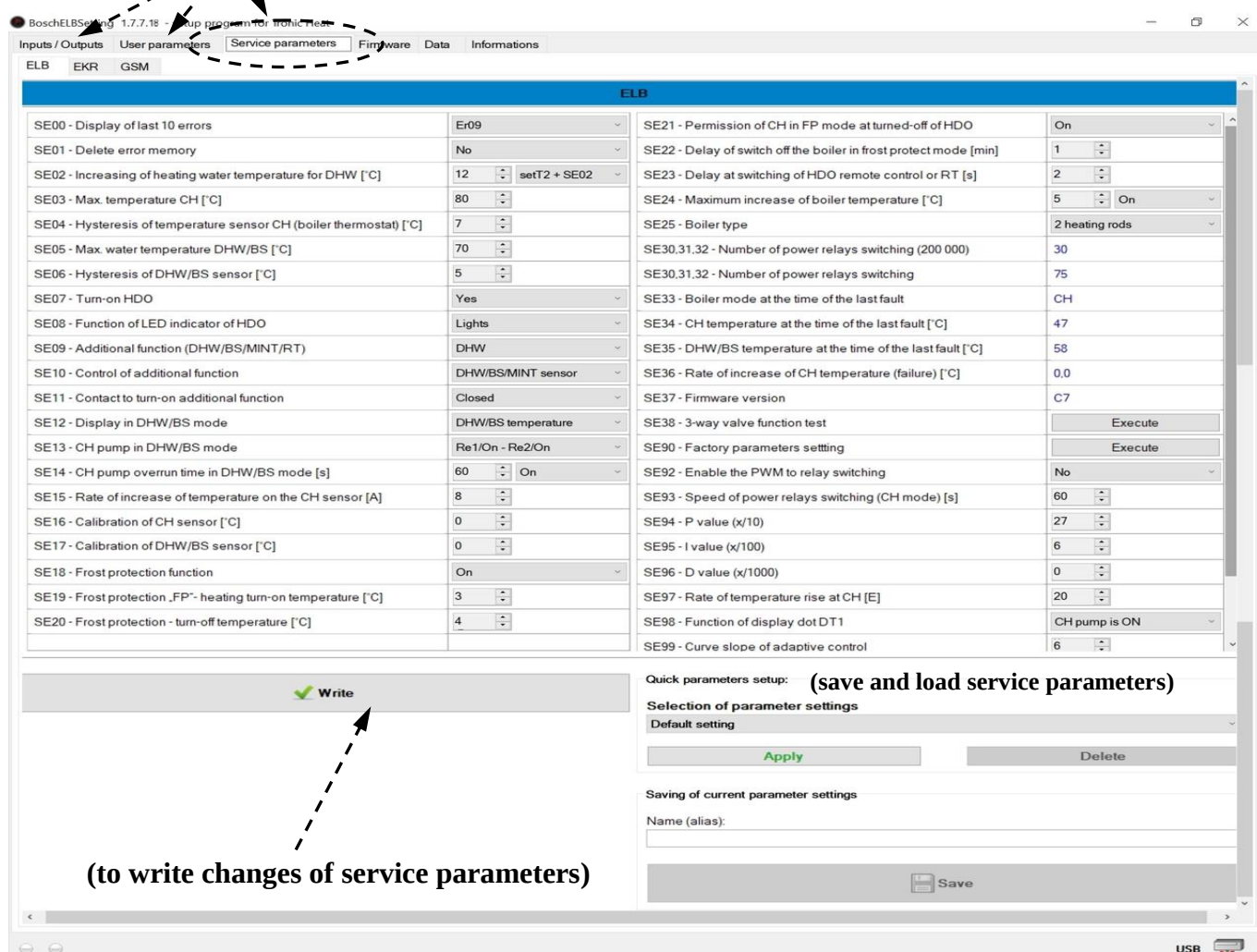


(configuration of GSM module)

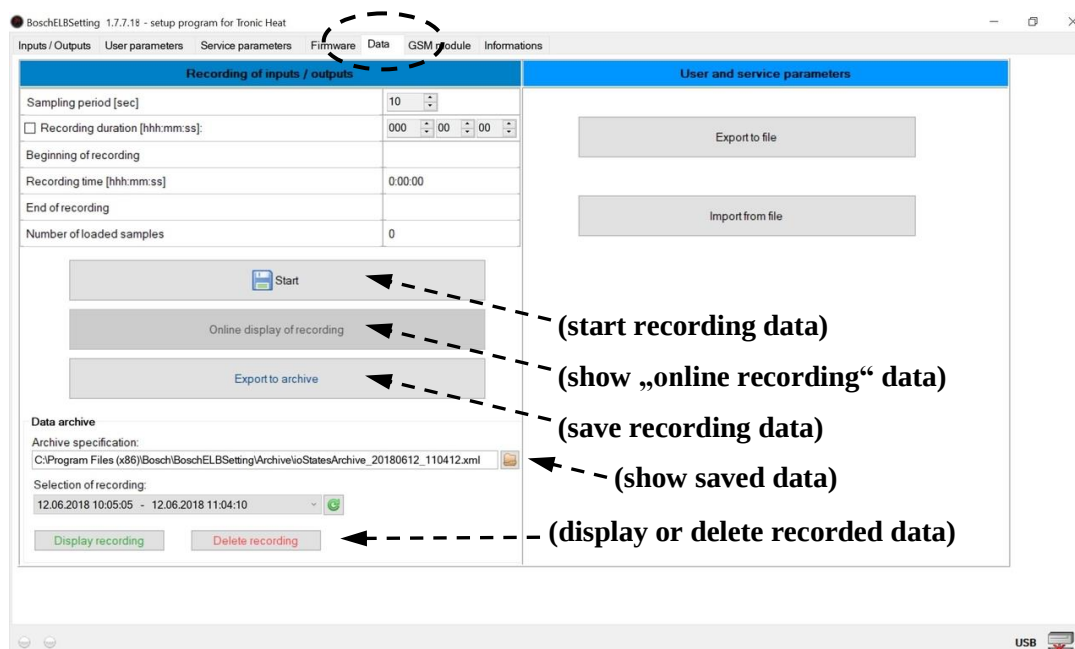
36. Service parameters = with BoschELBConverter



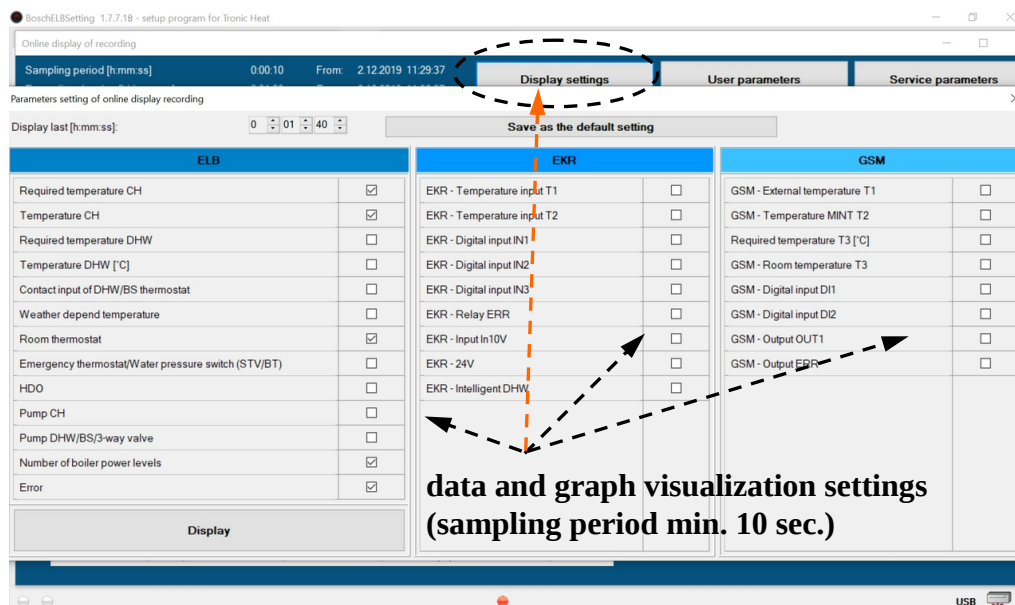
37. (For current - click and click)



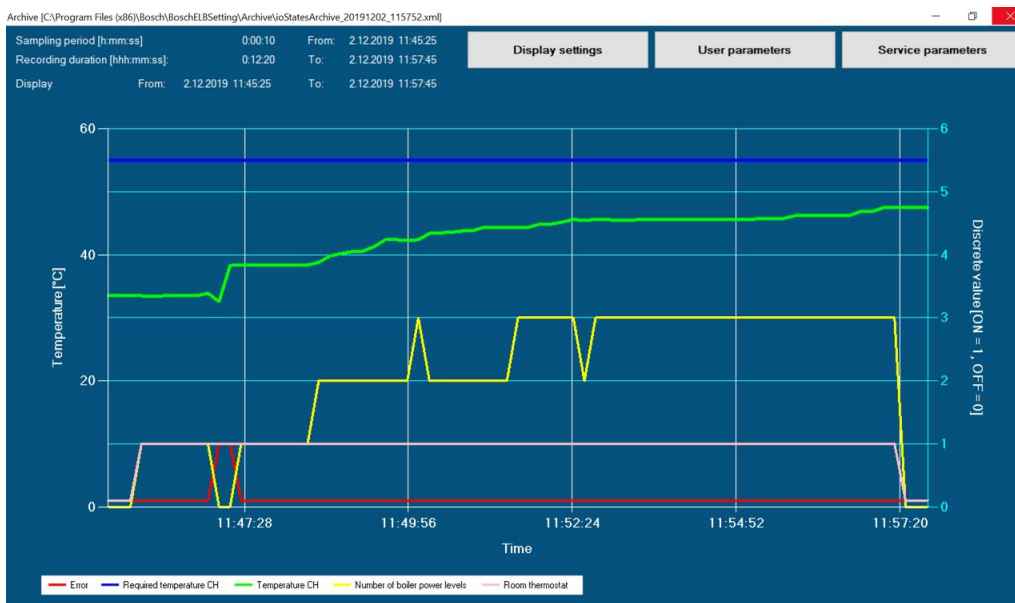
38. Data recording and graphs



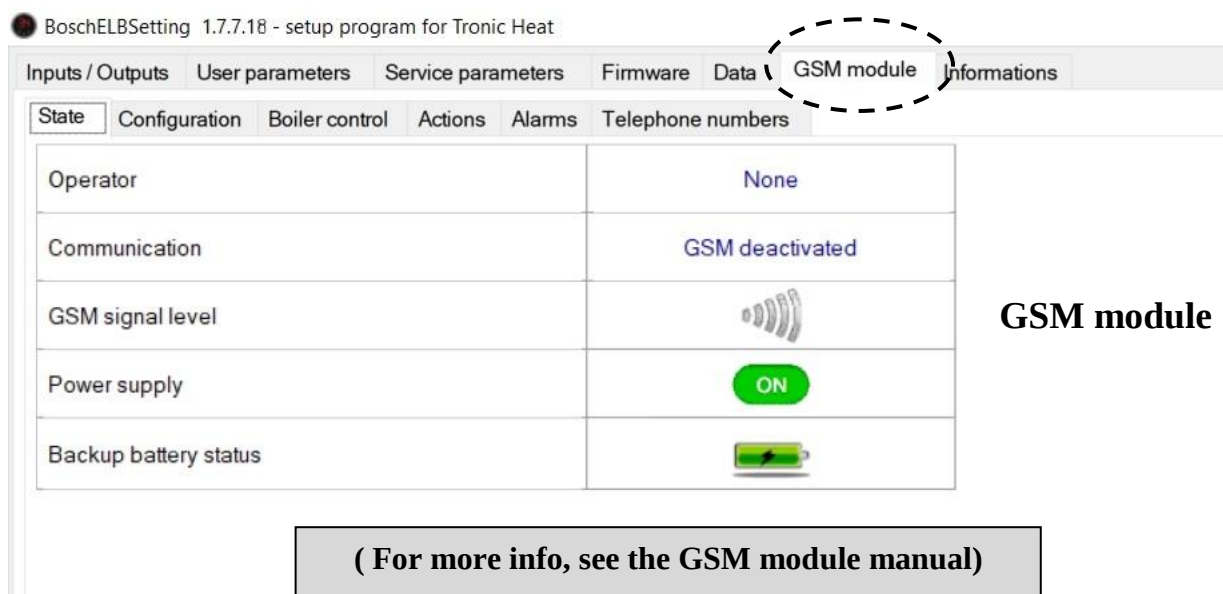
39.



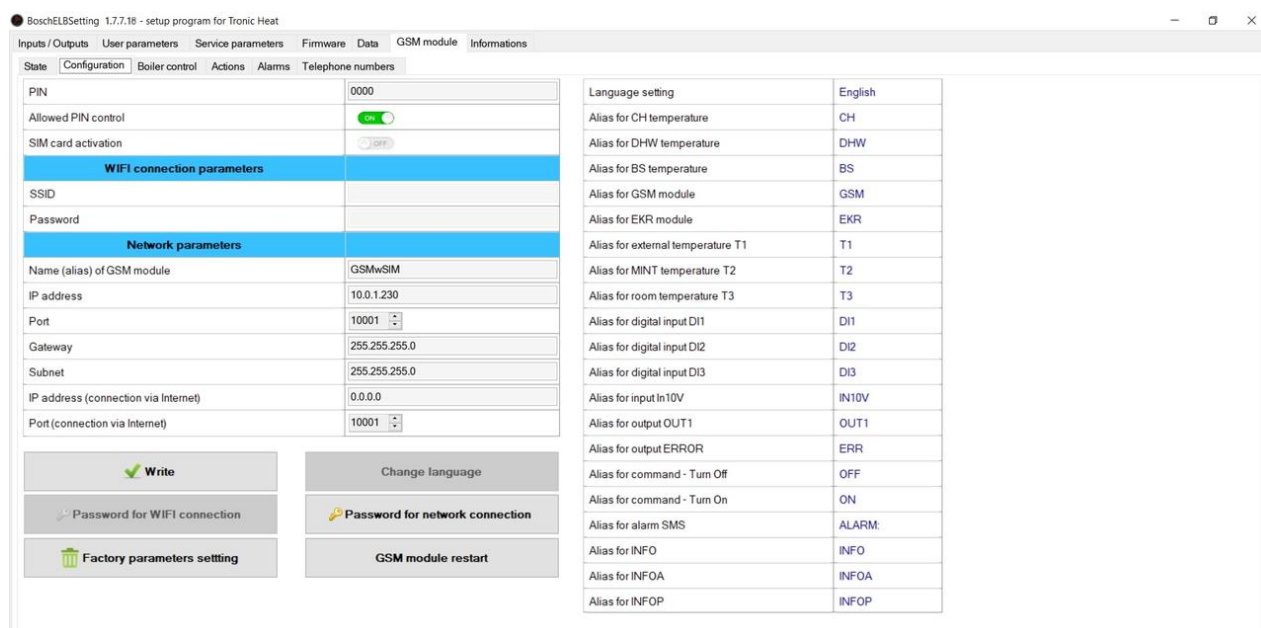
40.



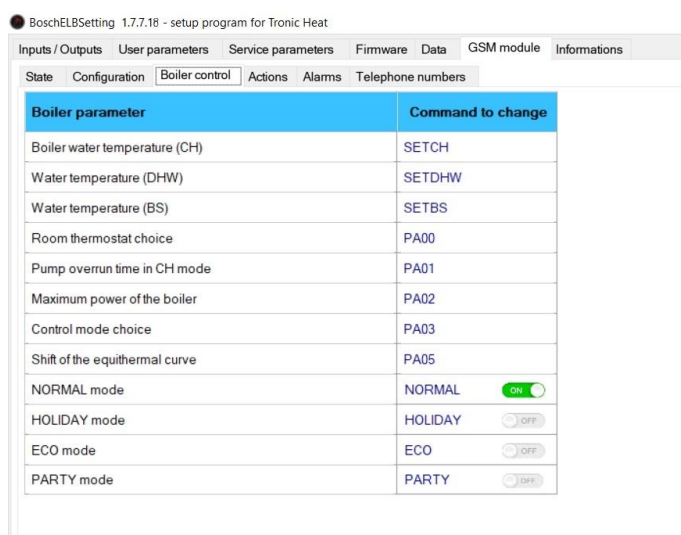
41. GSM module settings windows



42.



43.



44.

BoschELBSetting 1.7.7.18 - setup program for Tronic Heat

Inputs / Outputs User parameters Service parameters Firmware Data GSM module Informations

State Configuration Boiler control Actions Alarms Telephone numbers

Thermostat	Výstup	Required temp. [°C]	Hysteresis [°C]	Freezing temp. [°C]	Holiday - decrease RT	Eco - decrease RT [°C]	Eco - decrease DHW [°C]	Party - duration	Alias / command for action	Activation
T3	OUT1	15	10 x 0.1	6	10	10	20	16 x 30 min.	SETTHE	

Digital input	Value	Output	Activity	Alias / command for action	Activation
DI1					
DI2					

Ring through	Alias / command for action	Activation
INFO SMS		

 Write

45.

BoschELBSetting 1.7.7.18 - setup program for Tronic Heat

Inputs / Outputs User parameters Service parameters Firmware Data GSM module Informations

State Configuration Boiler control Actions Alarms Telephone numbers

Thermometer	Min. value [°C]	Max. value [°C]	Event duration	Reaction	Alias / command for alarm	Activation
CH						
DHW						
T1						
T2						
T3						
EKR_T1						
EKR_T2						

Digital input	Value	Event duration	Reaction	Alias / command for alarm	Activation
DI1					
DI2					

Event	Value	Event duration	Reaction	Alias / command for alarm	Activation
ERR					
Battery					
Power lost					

 Write

46.

BoschELBSetting 1.7.7.18 - setup program for Tronic Heat

Inputs / Outputs User parameters Service parameters Firmware Data GSM module Informations

State Configuration Boiler control Actions Alarms Telephone numbers

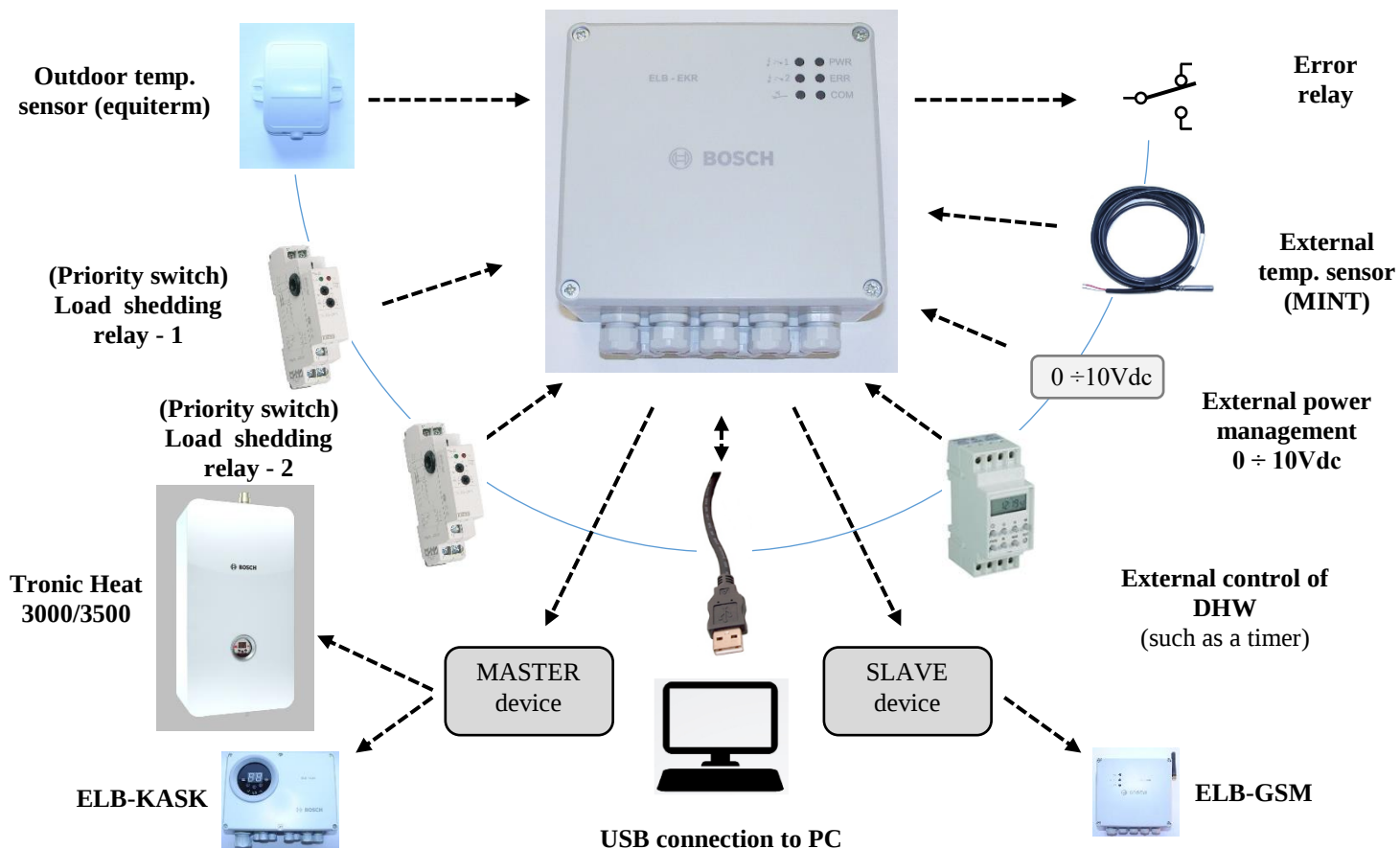
Telephone number	SETTHE	Boiler control
	☐	☐

 Write

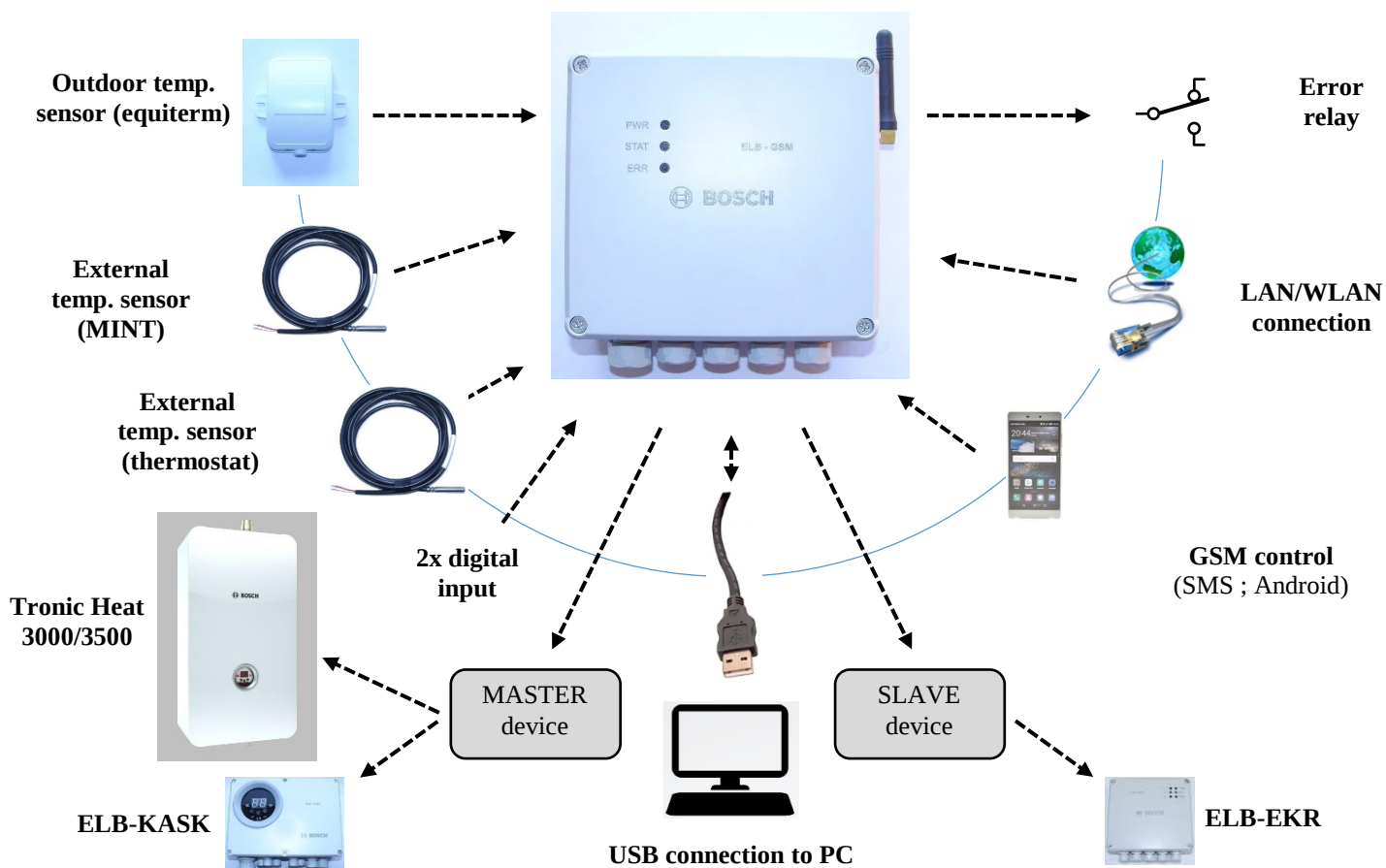
☐ Actions and boiler control
☐ Alarms

USB 

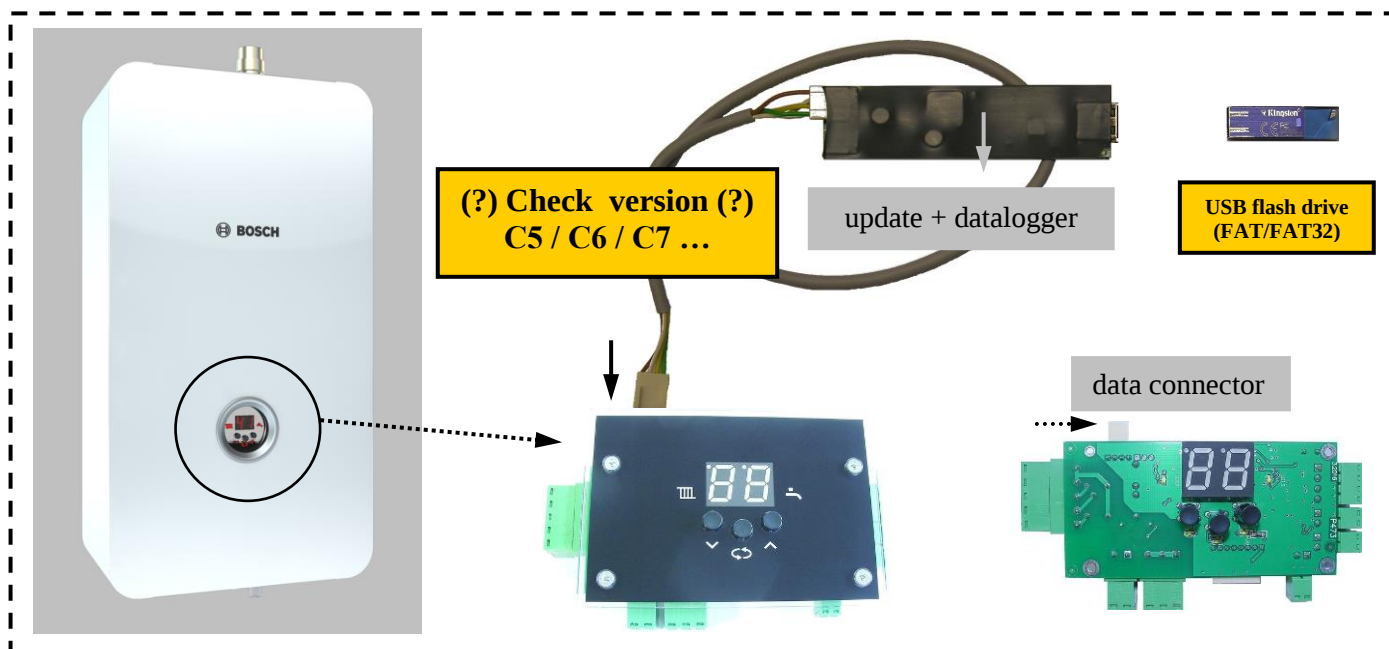
Possibilities of ELB-EKR module



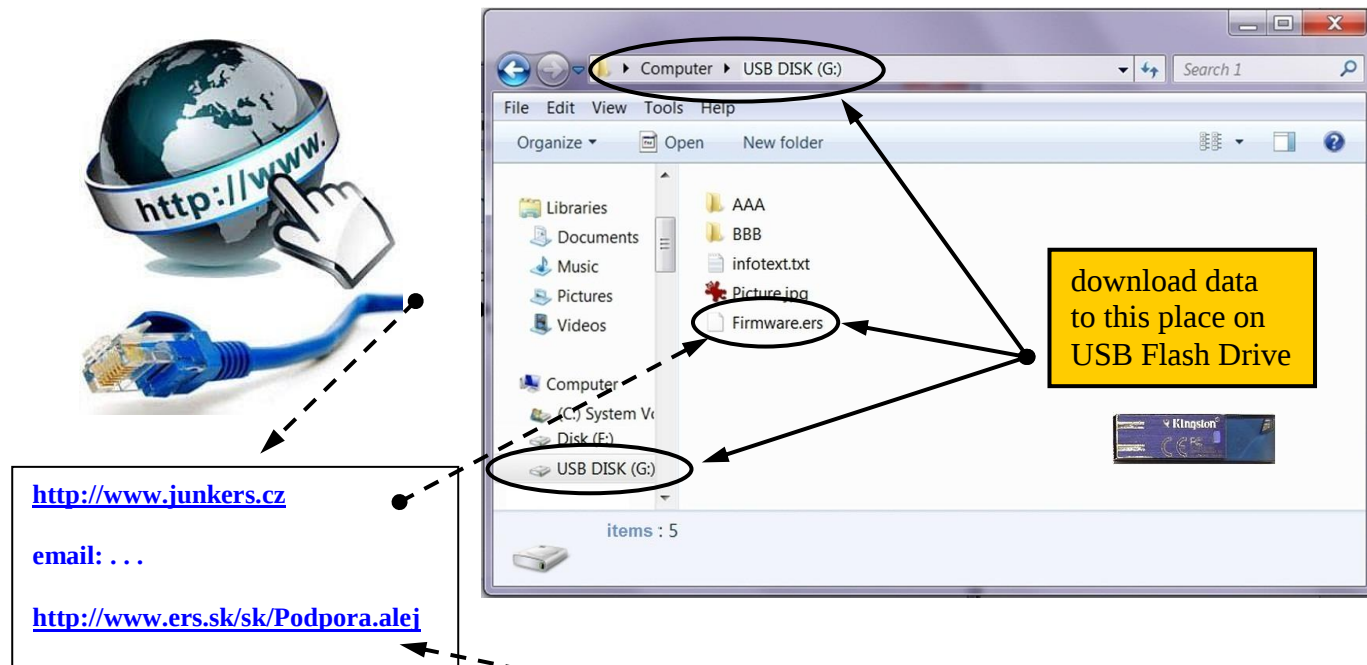
Possibilities of ELB-GSM module



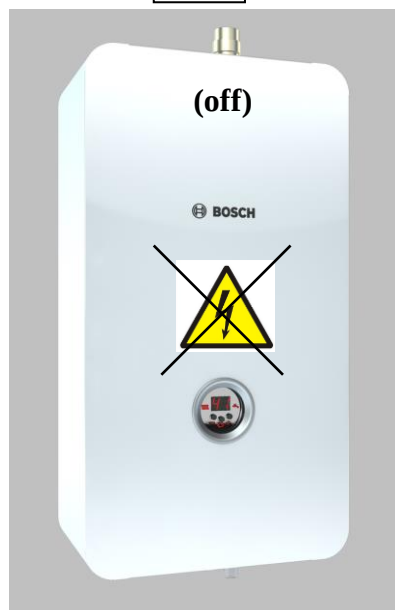
Tronic Heat 3000/3500 - - USB - datalogger - - PC



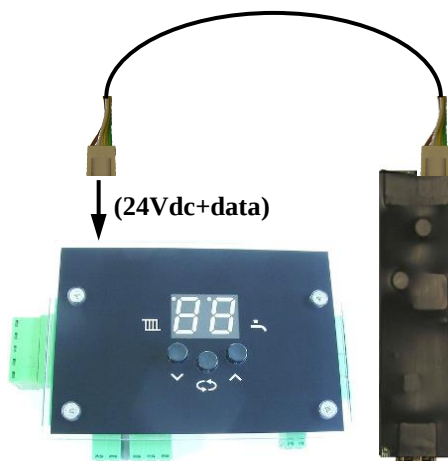
A) = update Tronic Heat 3000/3500 (+ EKR/GSM module)



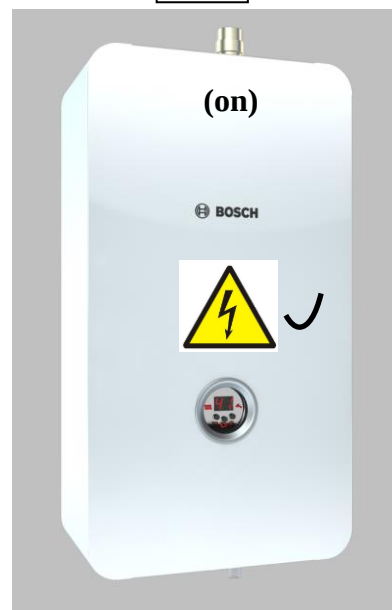
01



02



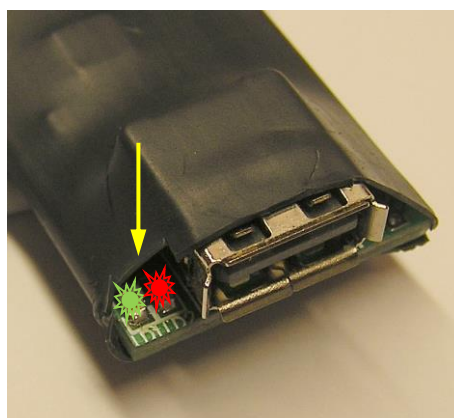
03



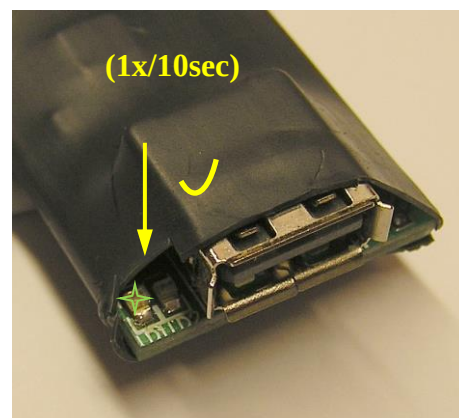
04



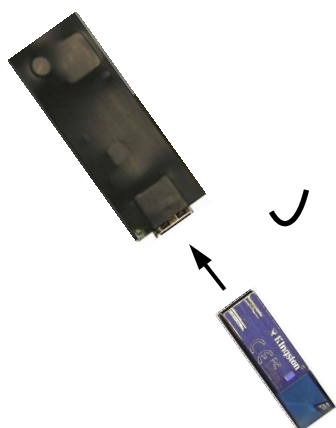
05



06



07



08



≈20 sec !!!

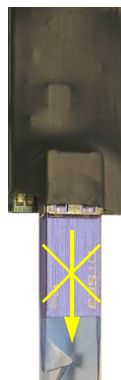
09



10



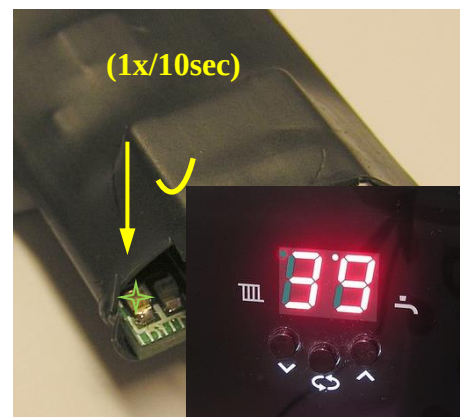
11



≈2÷5 min !!!



12



13

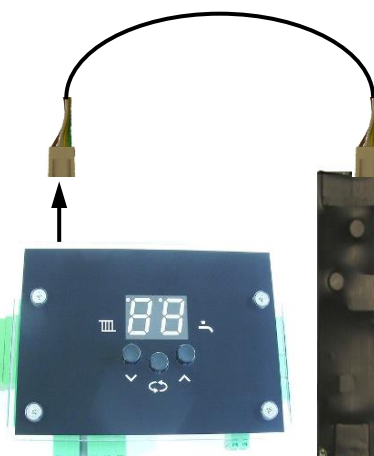


If the data cannot be uploaded, try another USB flash drive or format it (FAT; FAT32)!

14



15

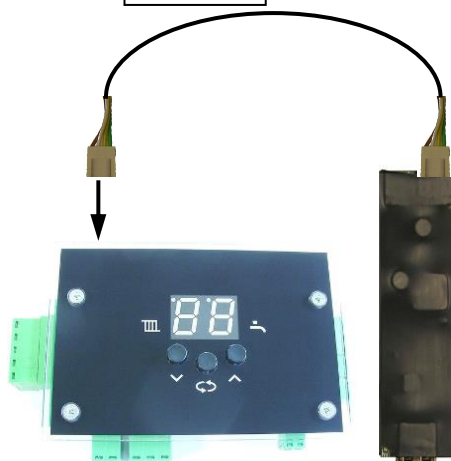


16

**!!Set SE90 = 1!!
(factory setting)
and check PA +
SE parameters
by table ELB-
Cx and actual
connection.
„Mainly PA00;
SE03; SE07;
SE09; SE25“.**

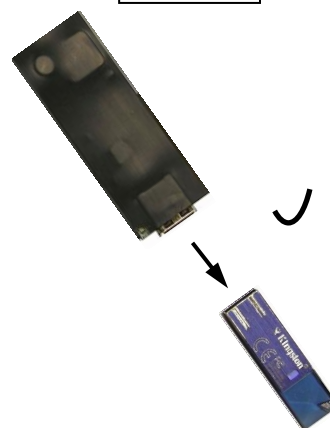
B) – datalogger for Tronic Heat 3000/3500

02 ...



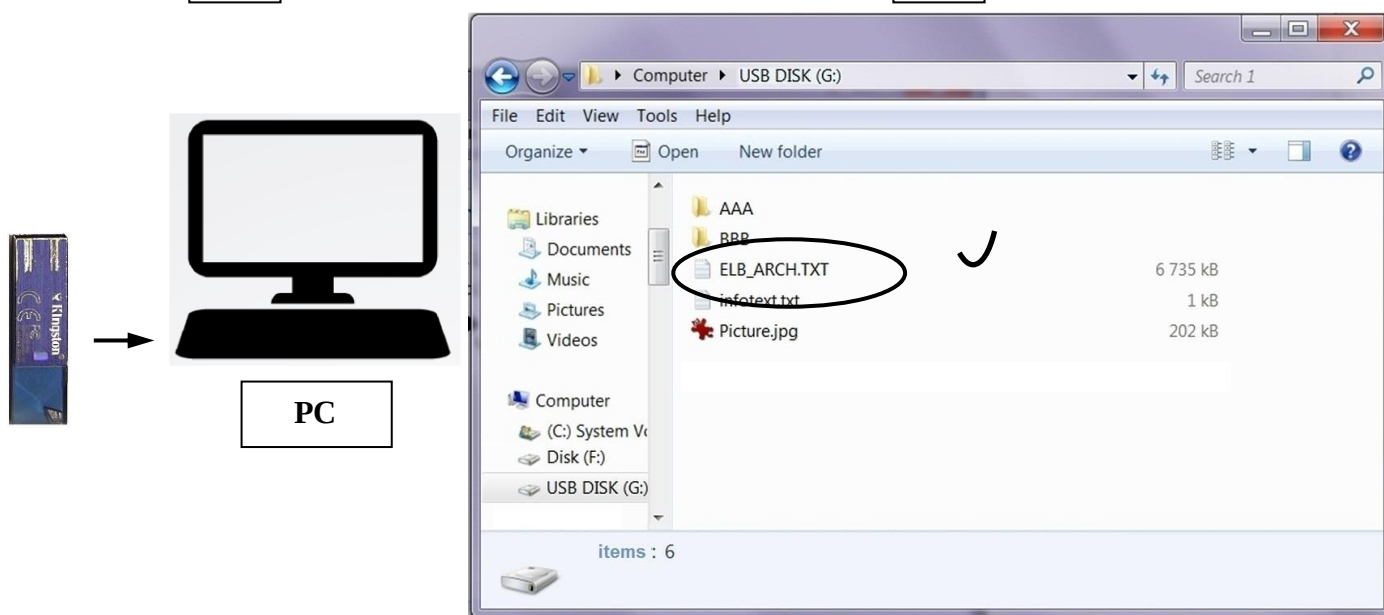
**Logger connected
permanently =
permanent storage
of data (max. for the
previous 3 days)**

... 14



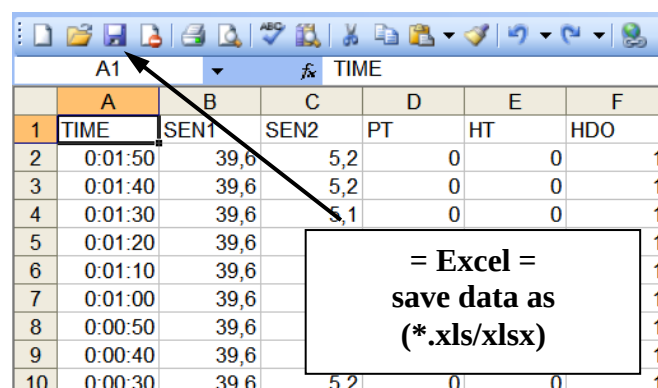
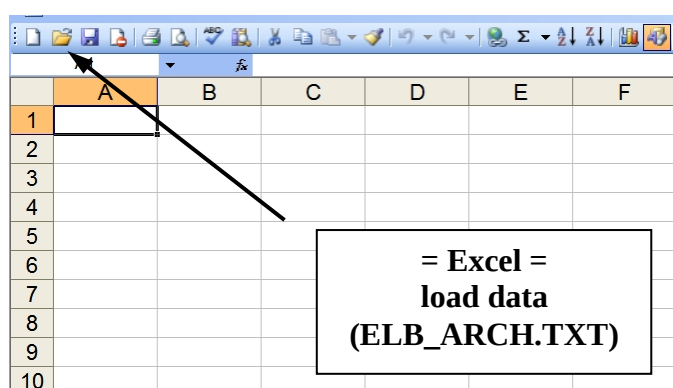
17

18

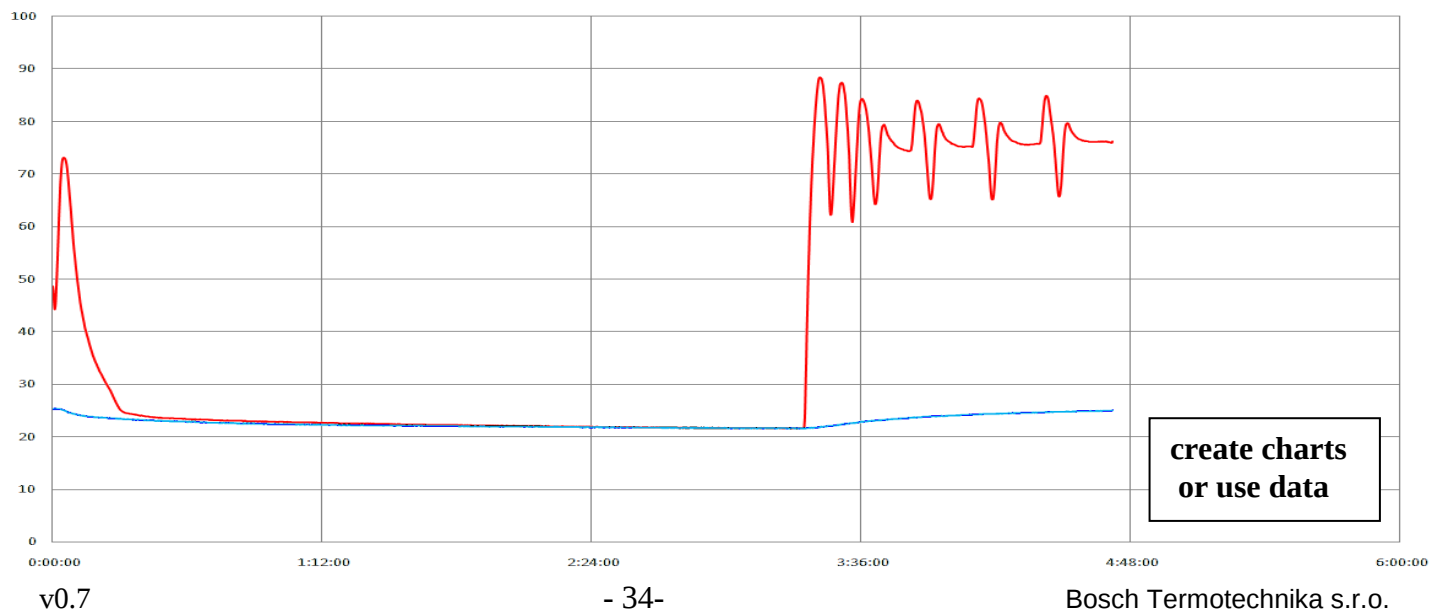


19

20

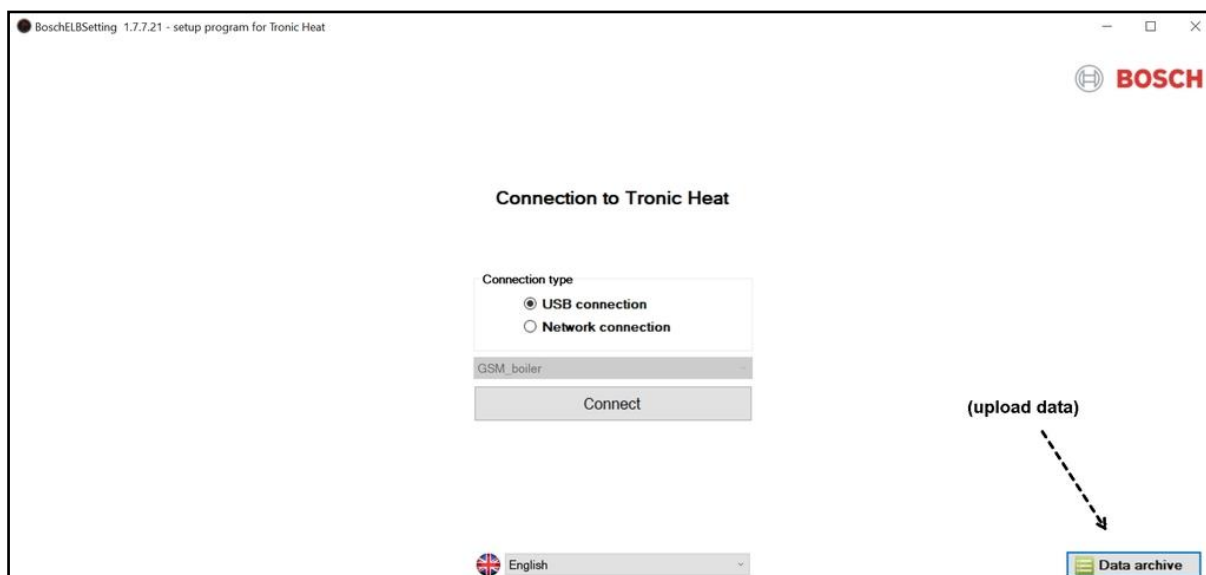


21

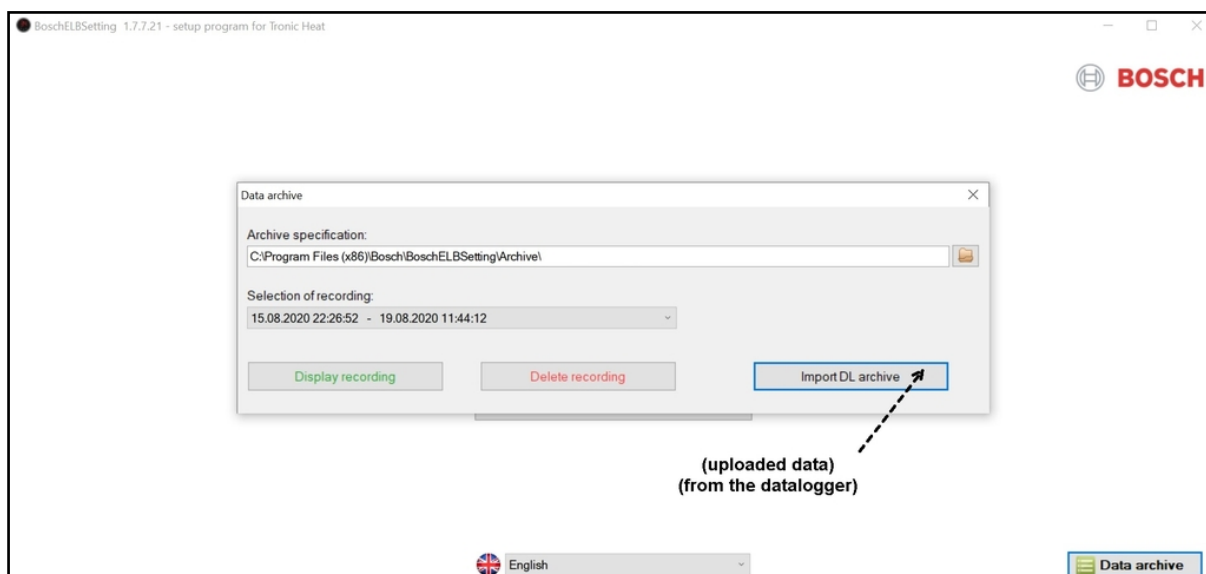


Tronic Heat 3000/3500 - - USB - datalogger - - PC - ELBSetting

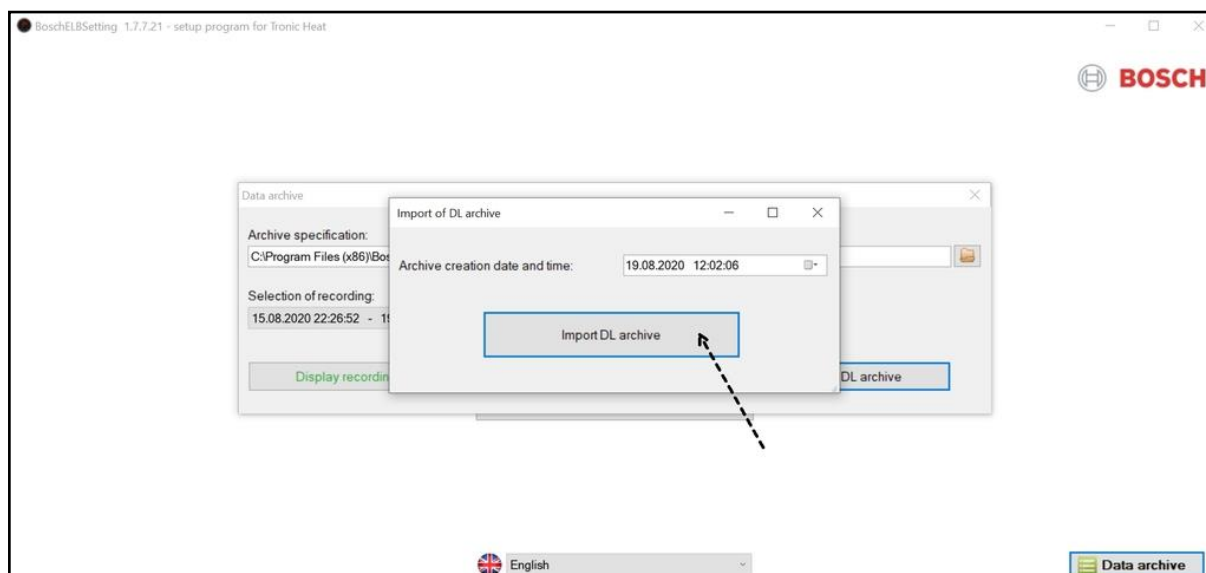
47.



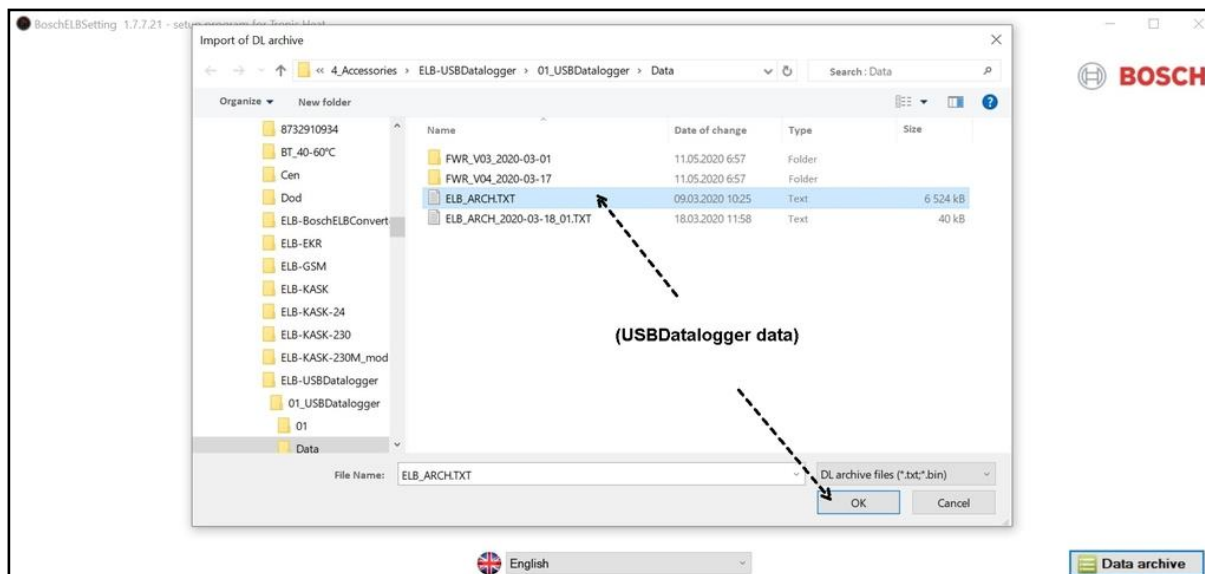
48.



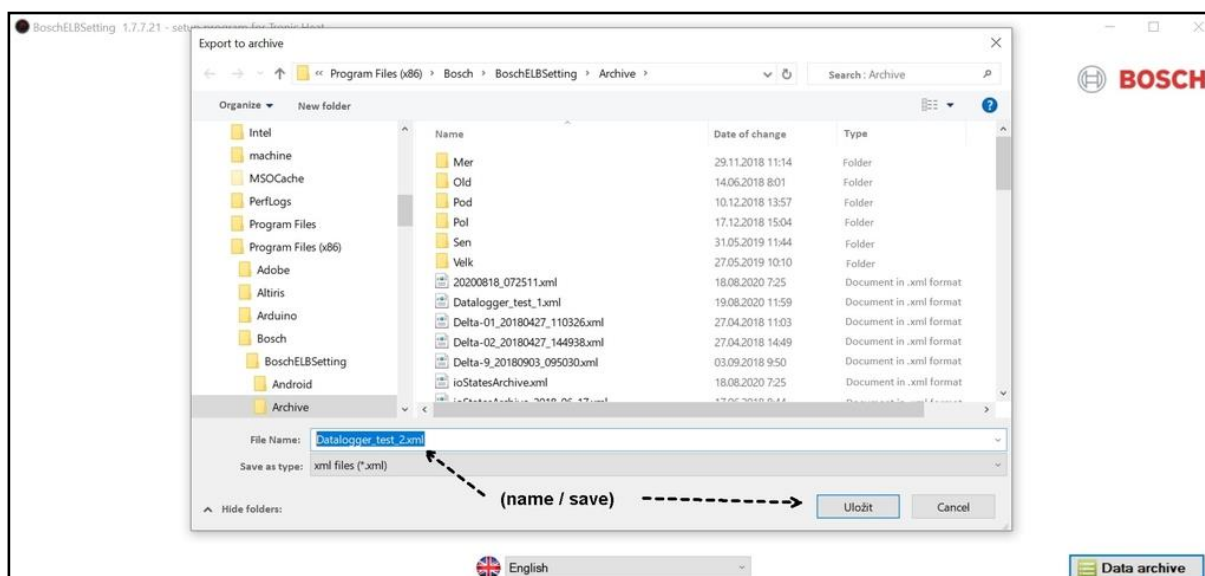
49.



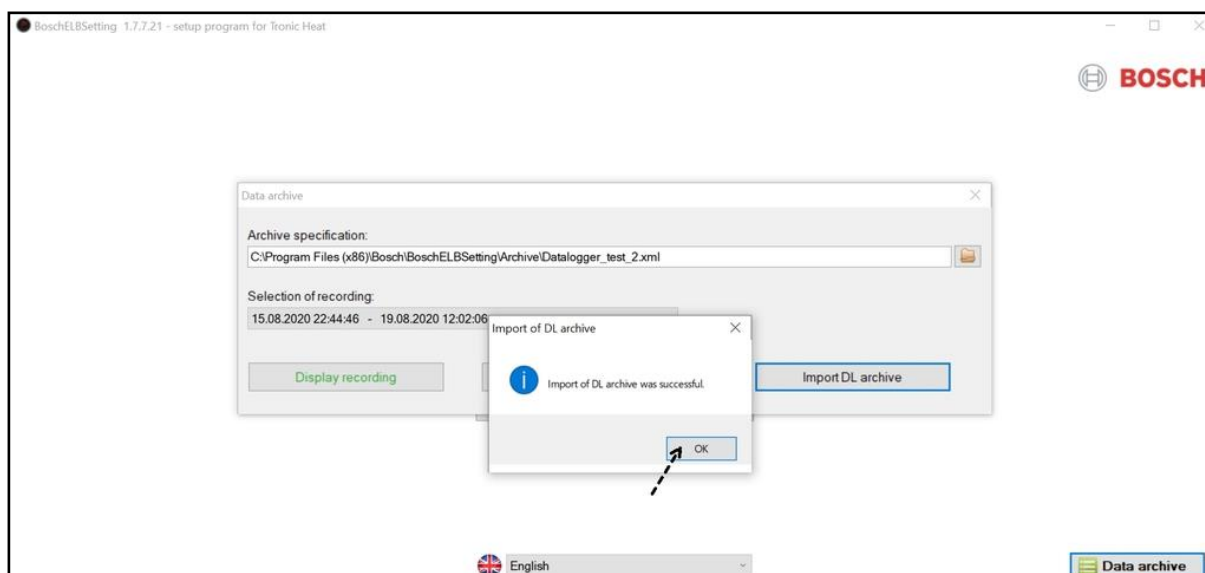
50.



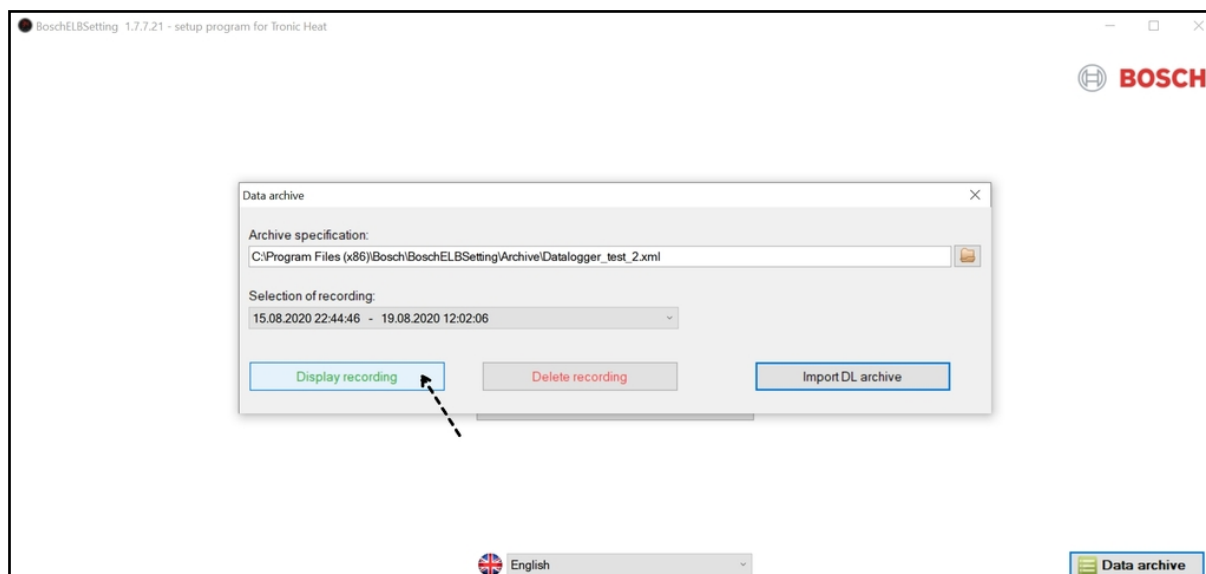
51.



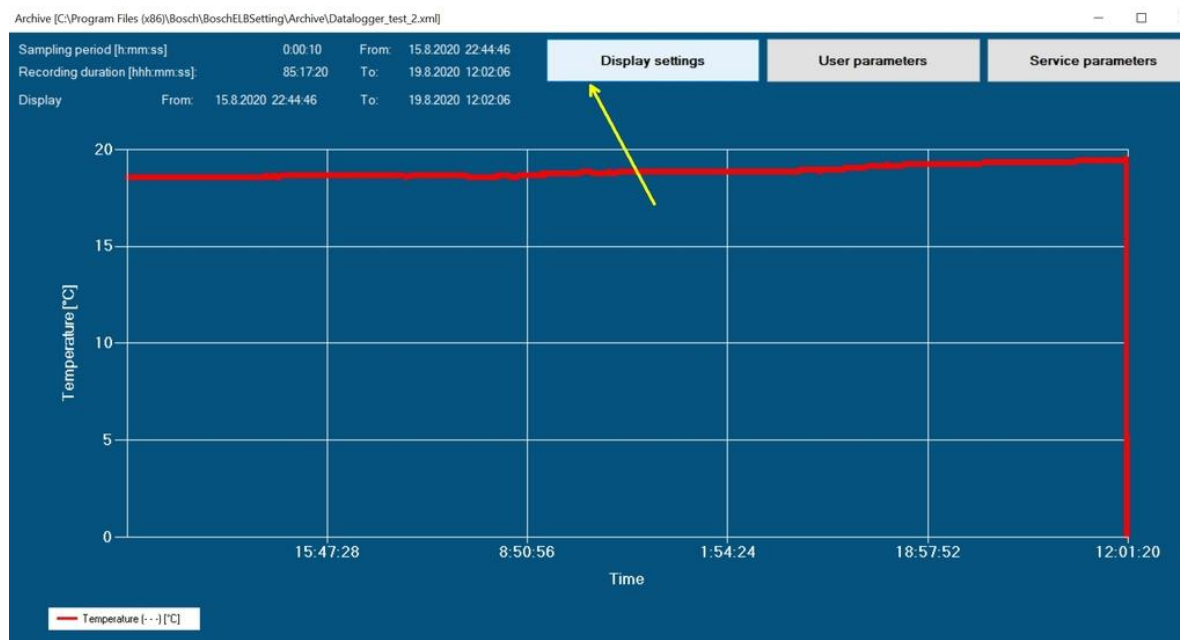
52.



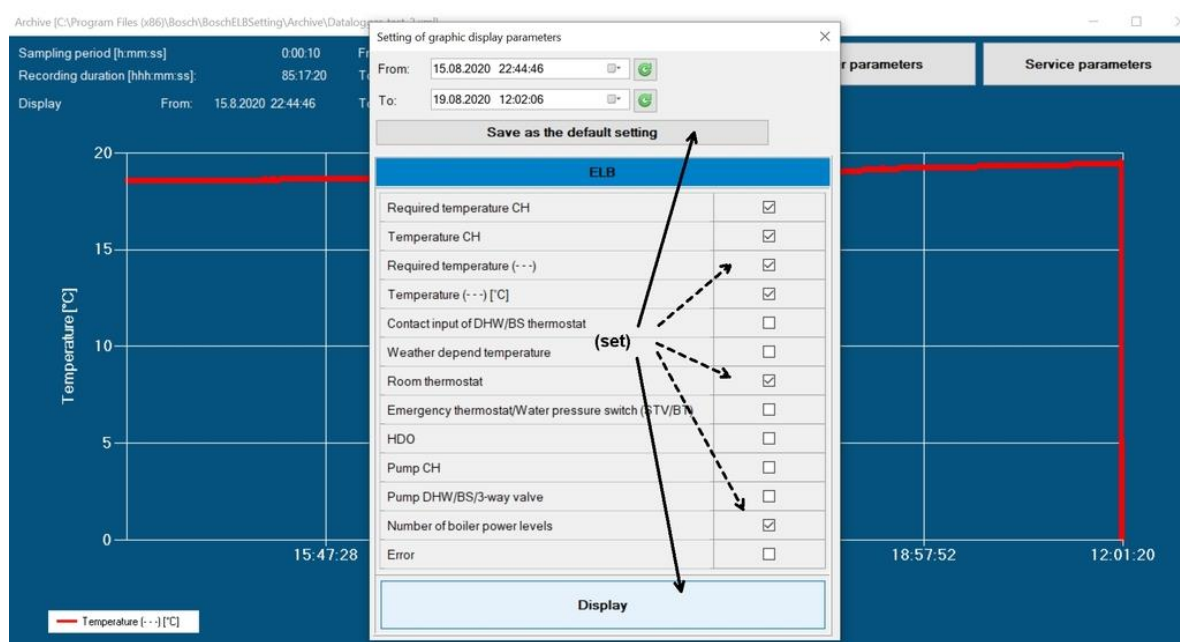
53.



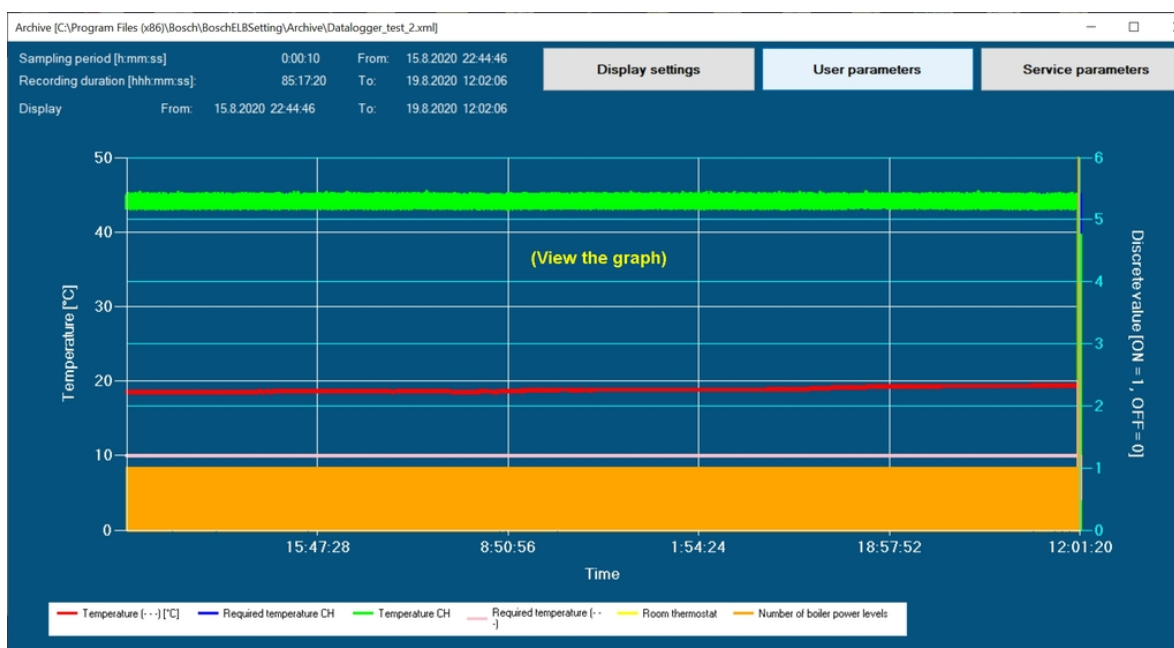
54.



55.



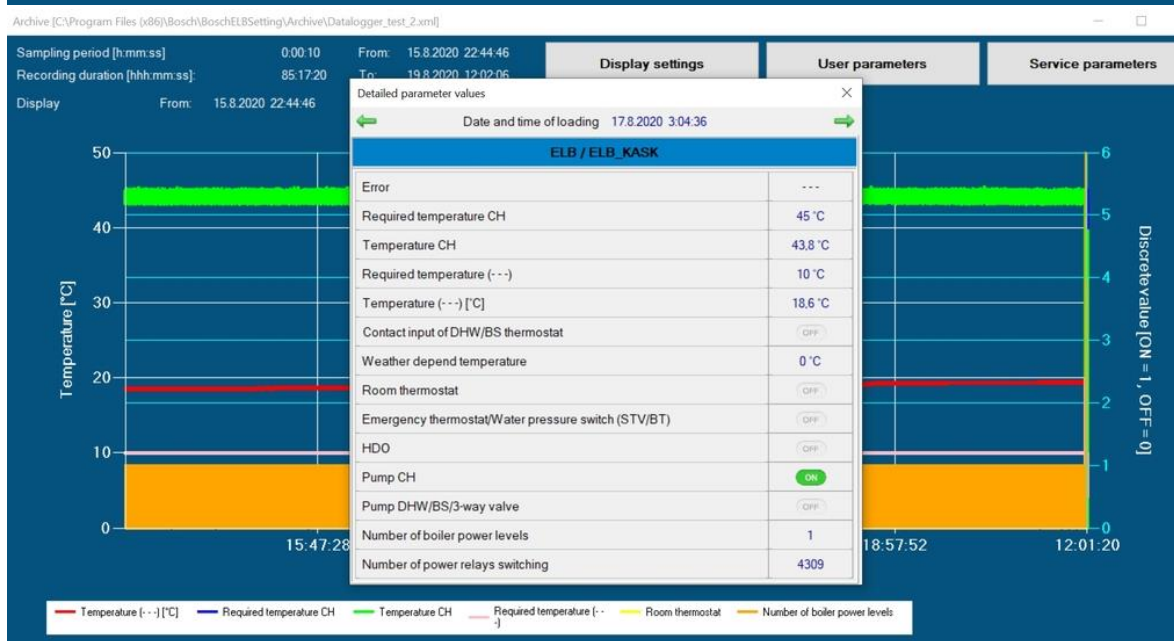
56.



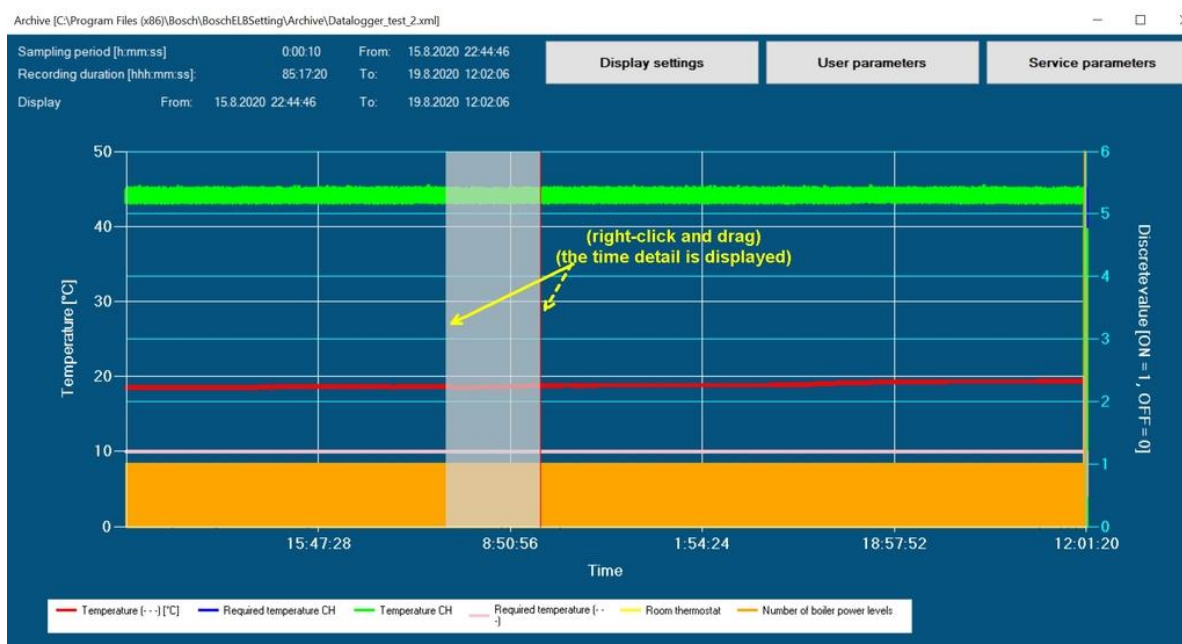
57.



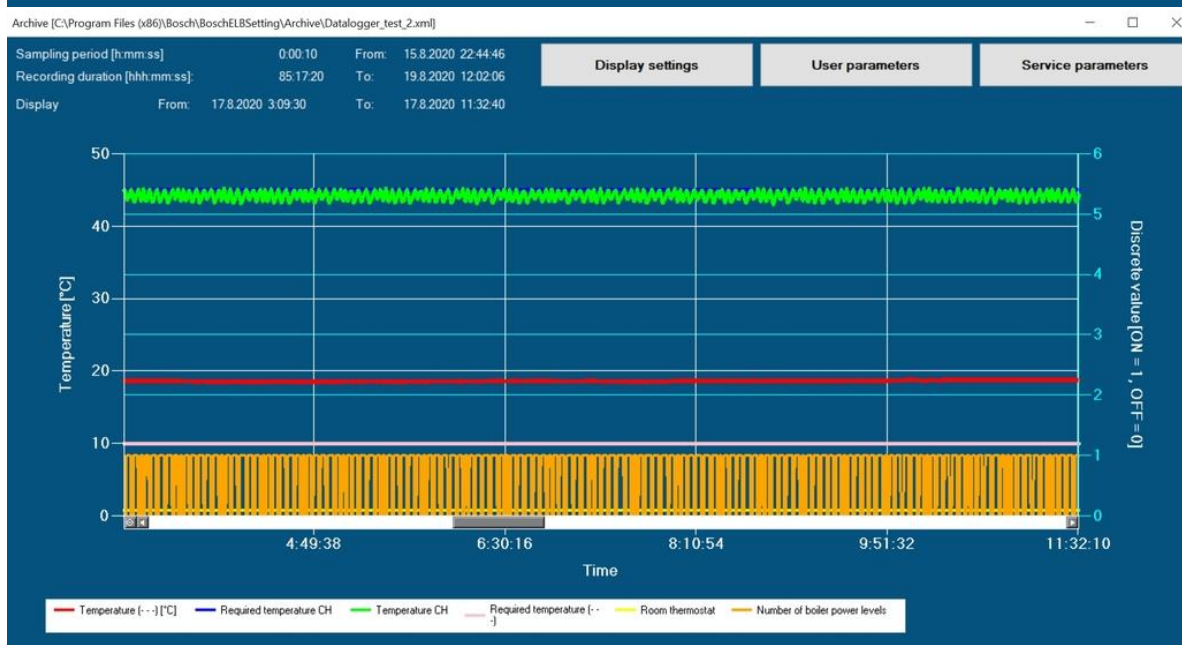
58.



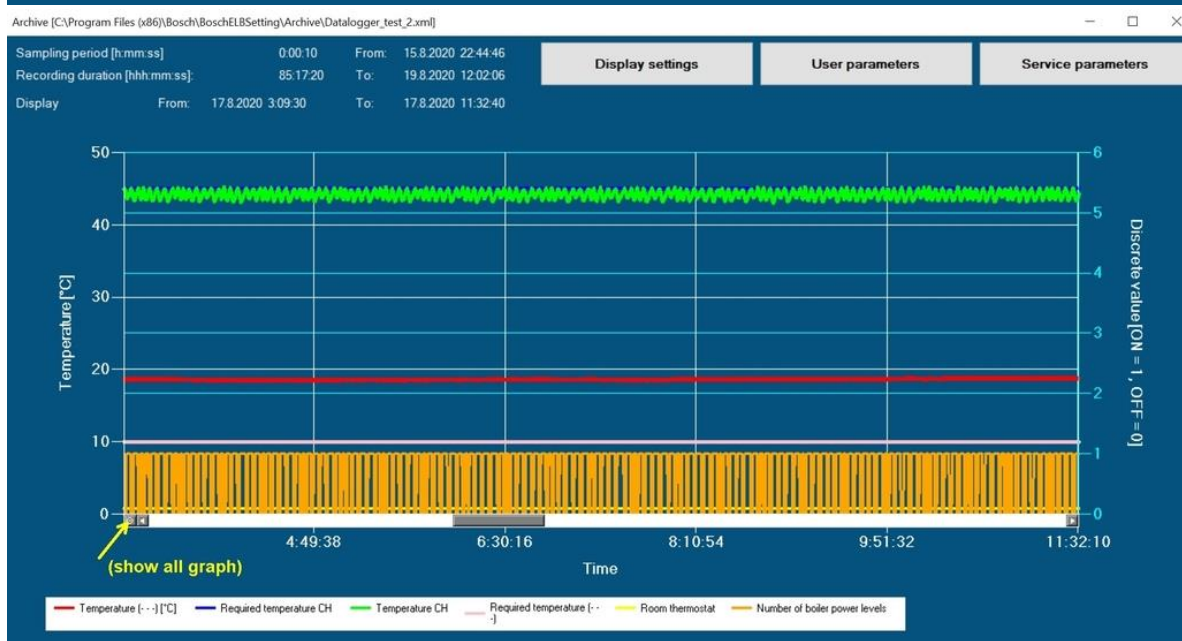
59.



60.



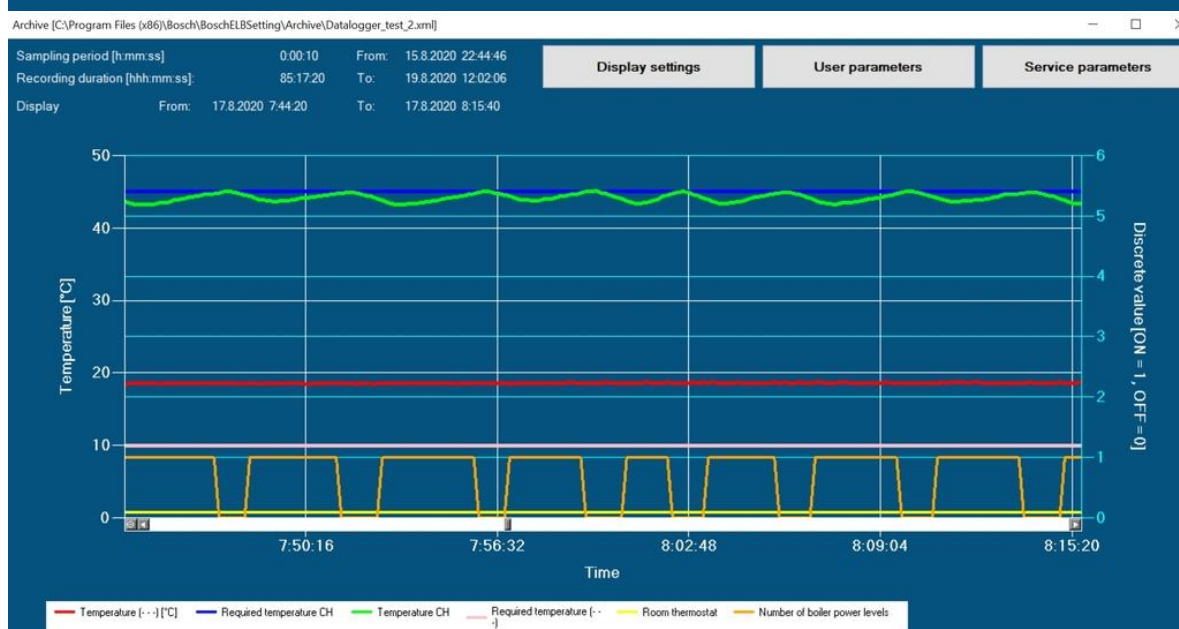
61.



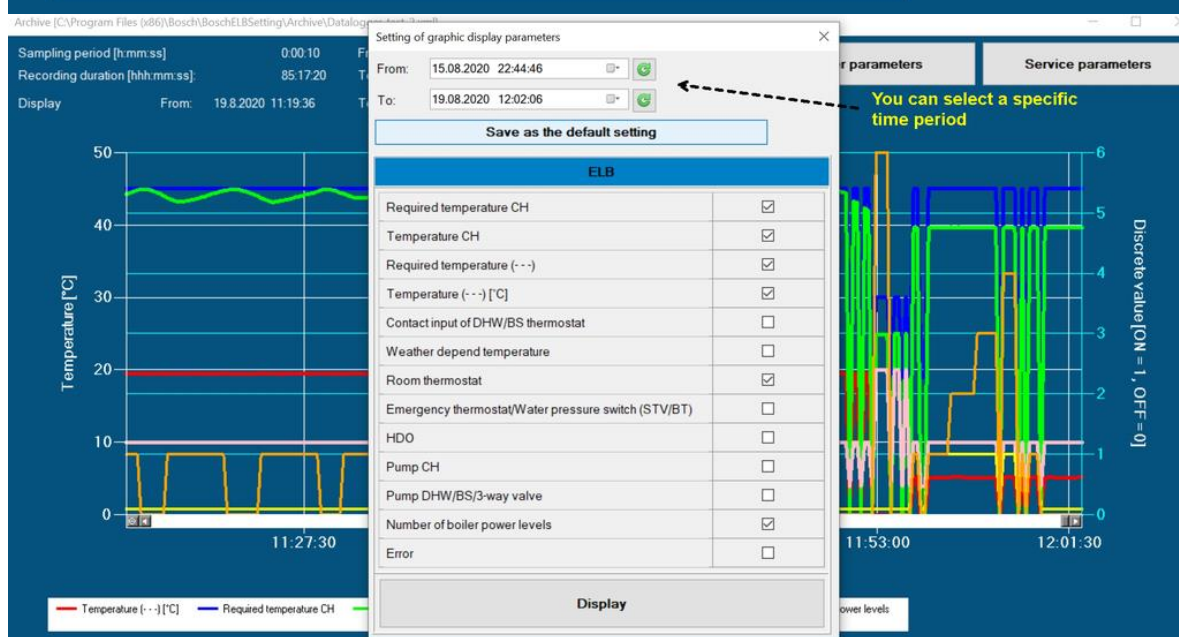
62.



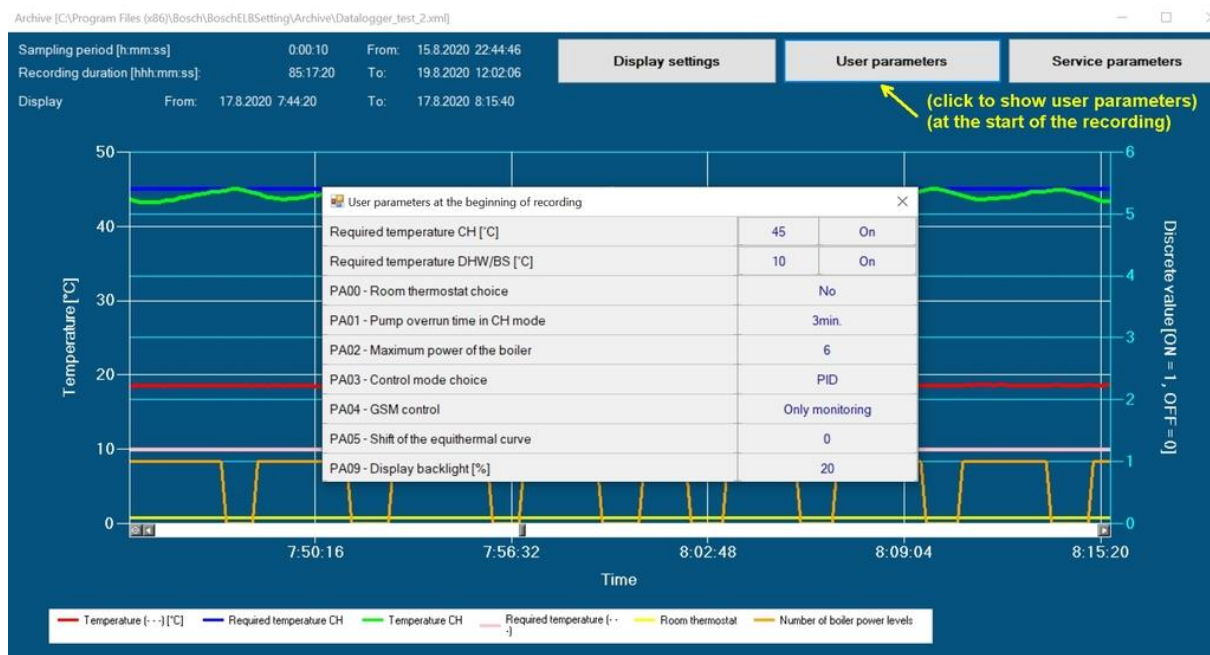
63.



64.



65.



66.

