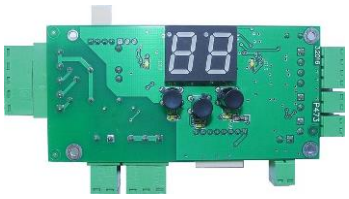
Tronic Heat 3000/3500 (ELB-KASK ; ELB-EKR ; ELB-GSM modules)

BoschELBSetting manual



Version: SK ; CZ ; DE ; EN ; RU ; PL

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 monitorovat.

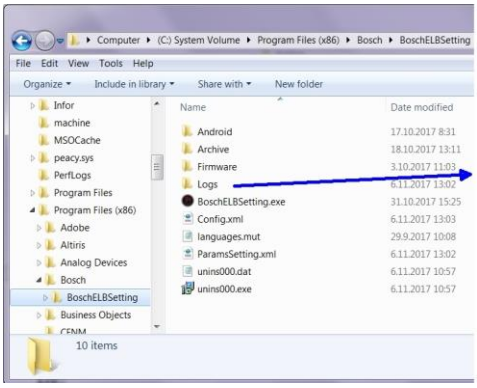
Preto je program BoschELBSetting určený najmä pre servisných mechanikov. Pracuje na PC s Windows WinXP(sp3)/7/8,1/10 (32/64bit)**.** Poslednu verziu programu BoschELBSetting je možné stiahnuť z internetovej adresy: http://www.junkers.cz lebo http://www.ers.sk/sk/Podpora.alej. Pri inštalácii postupujte podľa obrázkového návodu (pozri nižšie … niektoré obrázkové pozicie môžu být odlišné – program se 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 přídavné moduly) programem BoschELBSetting on-line monitorovat.

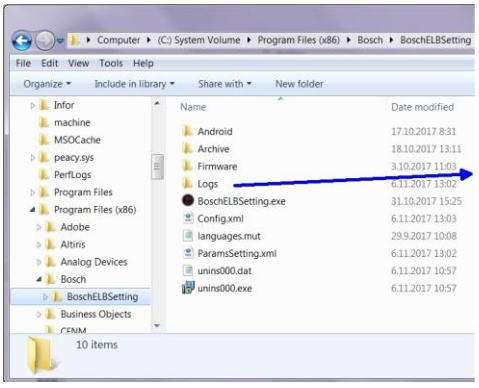
Proto je program BoschELBSetting předně určený pro servisní mechaniky. Pracuje na PC s Windows WinXP(sp3)/7/8,1/10 (32/64bit). Aktualizovanou verzi programu BoschELBSetting je možné stáhnout z internetové adresy: http://www.junkers.cz nebo http://www.ers.sk/sk/Podpora.alej). Při instalaci postupujte 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 řídící elektronikou je popsáno v návodu jednotlivých modulů.

Uživatelský režim: přes přídavný 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:

Einstellungssprogramm 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).

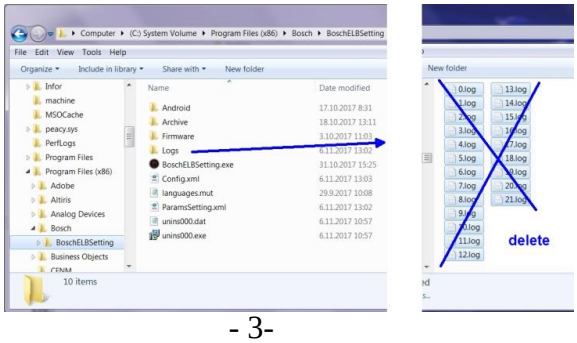
Für die alleinige Installation sind die Verwaltungsrechte benötigt und für die korrekte Darstellung aller Parameter und korrekte Kommunikation mit den Modulen wird ein Firmware-Upgrade der ELB-Eketronik mindestens auf die Version C5 aufgefordert – für „Programmierer (Version)“ ≥ 0.5 !! Um die Betriebs- 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-Upgrate hochzuladen.

Servicemodus: Der Konverter BoschELBConverter ermöglicht außer Berteibsmodus 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.

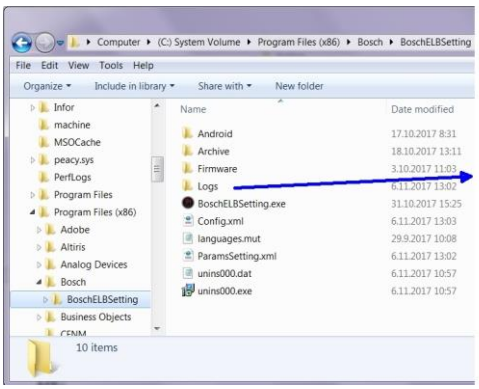
Therefore, the program BoschELBSetting is primarily designed for service technicians. PC requirements: at least WinXP(sp3)/7/8,1/10 (32/64 bit). Updated version of BoschELBSetting is available also on web pages: http://www.junkers.cz or http://www.ers.sk/sk/Podpora.alej. During installation, follow pictorial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

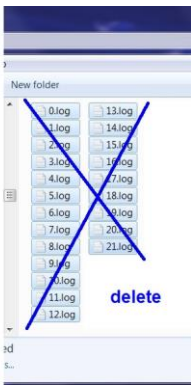
For installation follow the manual - you need administrator rights. To have correct visualisation of all parameters and correct communication with modules it is necessary to upgrade the firmware of firmware of ELB electronics for the version C5 (at least) - for „Programmer (verze)“ ≥ 0.5. To activate/start 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 BoschEBSetting folder





RU:

Программа обслуживания BoschELBSetting для электрокотлов 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 модулеи EKR или GSM и через них также встроенное программное обеспечение электронники 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.

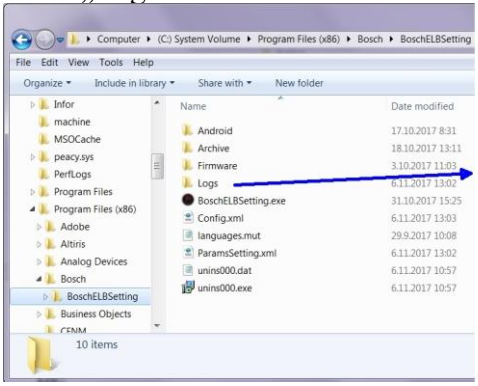
Таким образом, программа BoschELBSetting в первую очередь предназначена для специалистов по техническому обслуживанию. Работает на PC с Windows WinXP(sp3)/7/8,1/10 (32/64bit). Обновленную версию програмы BoschELBSetting можно загрузить с интернет адреса: http://www.junkers.cz или http://www.ers.sk/sk/Podpora.alej. Для установки следуйте инструкцию по картинках (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 можна 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 BoschEBSetting



PL:

Program BoschELBSetting jest przeznaczony do komunikacji z elektroniką kotła Bosch Tronic Heat 3000/3500. Są to kotły elektryczne do ogrzewania wody grzewczej lub do przygotowania cieplej wody użytkowej i mogą również służyć jako źródło rezerwowe do kotła na paliwa stałe. Istnieje możliwość podłączenia do kotłów kilku dodatkowych modułów, co rozszerza możliwości kotłów elektrycznych.

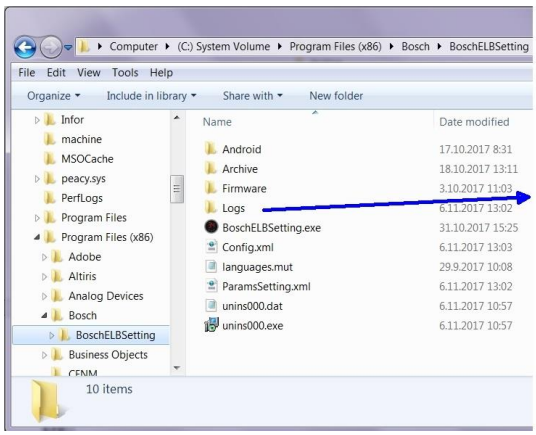
Za pomocą programu BoschELBSetting można zaktualizować firmware kotła i dodatkowych modułów ELB-EKR, ELB-KASK. Potrzebny jest do tego kabel USB (USB2-A/B mini) lub konwerter BoschELBConverter. Przyczyna aktualizacji może być np. konieczność podłączenia dodatkowego modułu/modułów do kotła ze starszą wersją oprogramowania(C4). Możliwe jest również monitorowanie pracy kotła (elektronika ELB; ELB_KASK i dodatkowe moduły) online za pomocą programu BoschELBSetting.

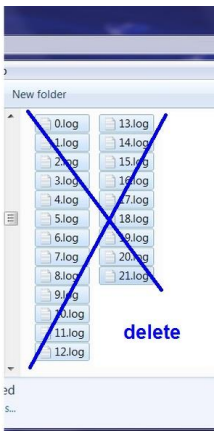
Dlatego program BoschELBSetting przeznaczony jest dla mechaników serwisowych. Działa na PC z Windows WinXP(sp3)/7/8,1/10 (32/64bit). Zaktualizowaną wersję programu BoschELBSetting można pobrać z adresu internetowego http://www.ers.sk/sk/Podpora.alej Postępuj zgodnie z ilustracyjnym instrukcjami instalacji(patrz poniżej. Niektóre pozycje na ilustracjach mogą być inne).

Do samej instalacji potrzebne są uprawnienia administratora, a do poprawnego wyświetlenia wszystkich parametrów i komunikacji z modułami konieczna jest aktualizacja firmware elektroniki ELB co najmniej do wersji C5 - dla Programator ≥ 0.5. Aby móc monitorować parametry użytkownika i usługi, należy najpierw podłączyć kocioł za pomocą programu BoschELBSetting. Połączenie modułów z elektroniką kotla opisane jest w instrukcjach poszczególnych modułów.

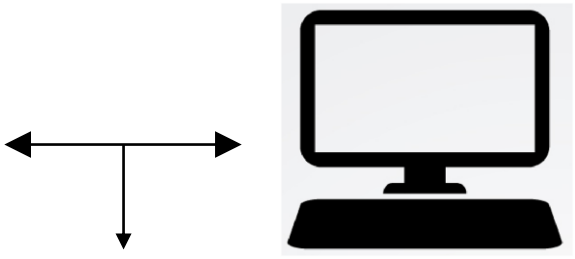
Tryb użytkownika: za pomocą dodatkowego modułu EKR i kabla USB istnieje możliwość monitorowania, zmiany parametrów użytkownika i nagrania aktualizacji firmware. Zmiany w trybie serwisowym są możliwe za pomocą BoschELBConverter.

Uwaga:
- zmiana oprogramowania nie zmienia parametrów użytkownika ani parametrów serwisowych. Aktywacja parametru SE90 powoduje zmianę wszystkich parametrów zgodnie z ustawieniami fabrycznymi
- powinniście posiadać najnowszą wersję NET.Framework
- jeżeli nie można uruchomić nowo zainstalowanej wersji programu BoschELBSetting, należy usunąć pliki*.log z folderu „Logs“ v folderze BoschELBSetting





Tronic Heat 3000/3500



PC

USB cable + modules

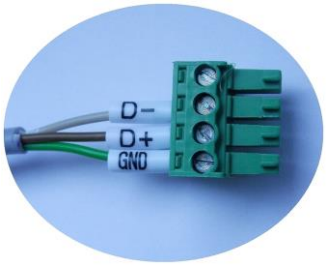
- module ELB-EKR
- module ELB-GSM
(- ELB electronics)

(setting of user parameters)

BoschELBConverter (+ modules)

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

(setting of service parameters)



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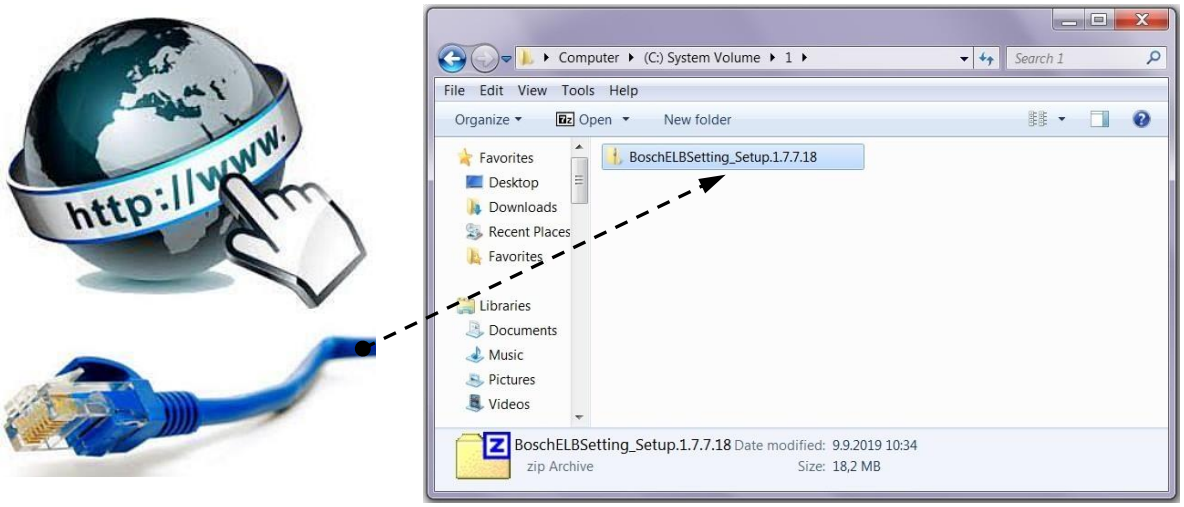
http://www.
Computer ▸ (C:) System Volume ▸ 1 ▸
Search 1
File Edit View Tools Help
Organize
Open
New folder
Favorites
Desktop
Downloads
Recent Places
Favorites
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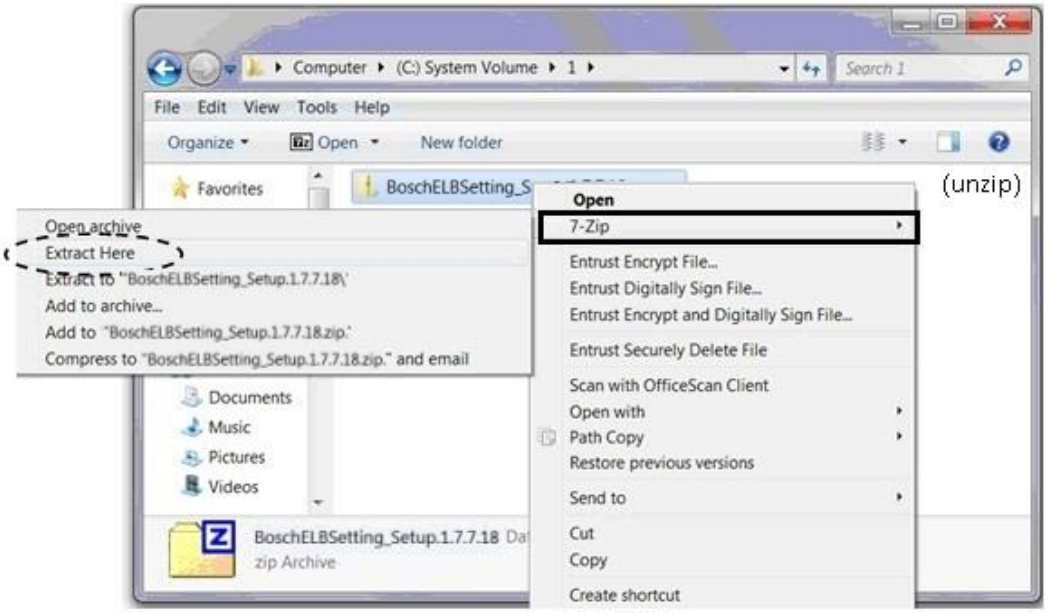
2.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Search 1
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Organize
Open
New folder
Favorites
Open archive...
Extract Here
Extract to "BoschELBSetting_Setup.1.7.7.18\"
Add to archive...
Add to "BoschELBSetting_Setup.1.7.7.18.zip"
Compress to "BoschELBSetting_Setup.1.7.7.18.zip" and email
Documents
Music
Pictures
Videos
BoschELBSetting_Setup.1.7.7.18
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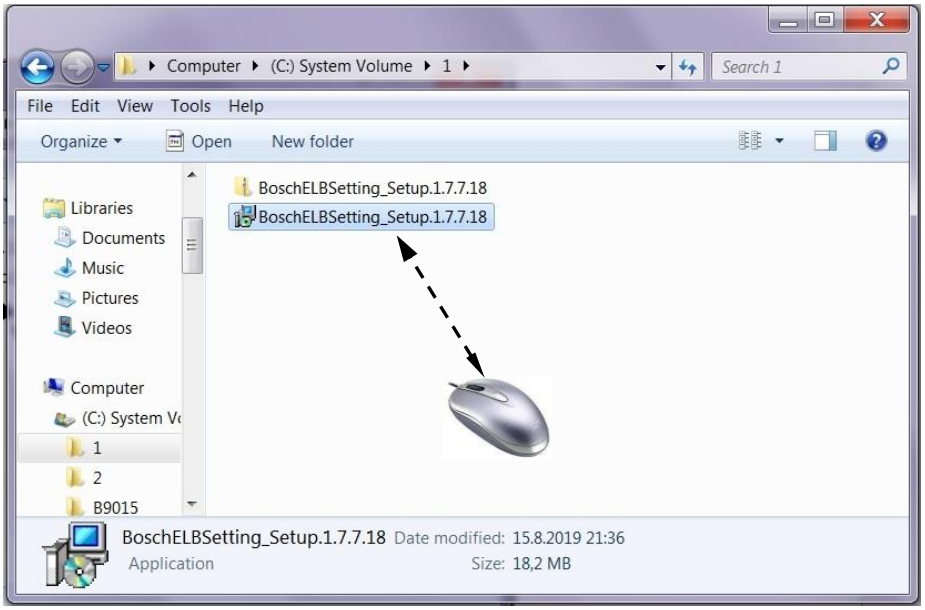
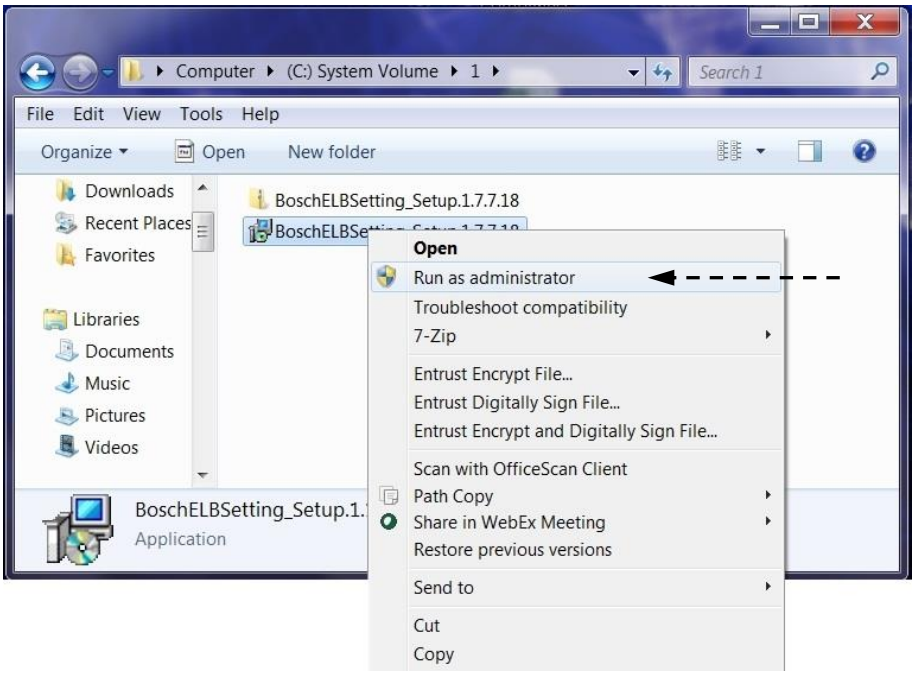
Open
7-Zip
Entrust Encrypt File...
Entrust Digitally Sign File...
Entrust Encrypt and Digitally Sign File...
Entrust Securely Delete File
Scan with OfficeScan Client
Open with
Path Copy
Restore previous versions
Send to
Cut
Copy
Create shortcut
(unzip)

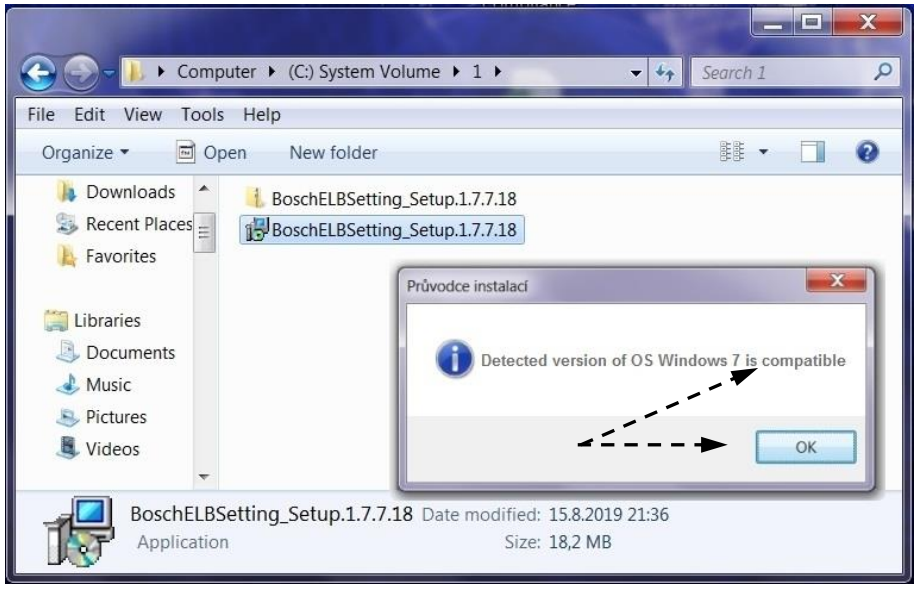
3.


Computer ▸ (C:) System Volume ▸ 1 ▸
Search 1
File Edit View Tools Help
Organize
Open
New folder
Libraries
Documents
Music
Pictures
Videos
Computer
(C:) System V
1
2
B9015
BoschELBSetting_Setup.1.7.7.18
BoschELBSetting_Setup.1.7.7.18
BoschELBSetting_Setup.1.7.7.18 Date modified: 15.8.2019 21:36
Application
Size: 18,2 MB

4.

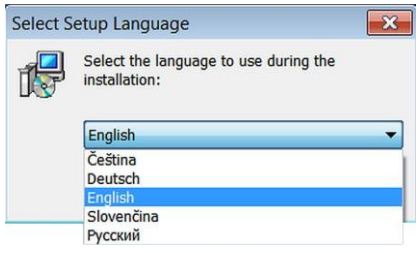


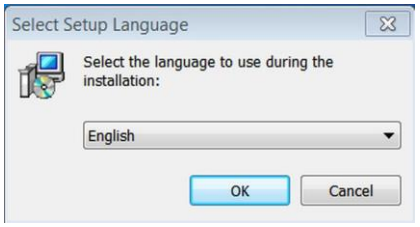
5.



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

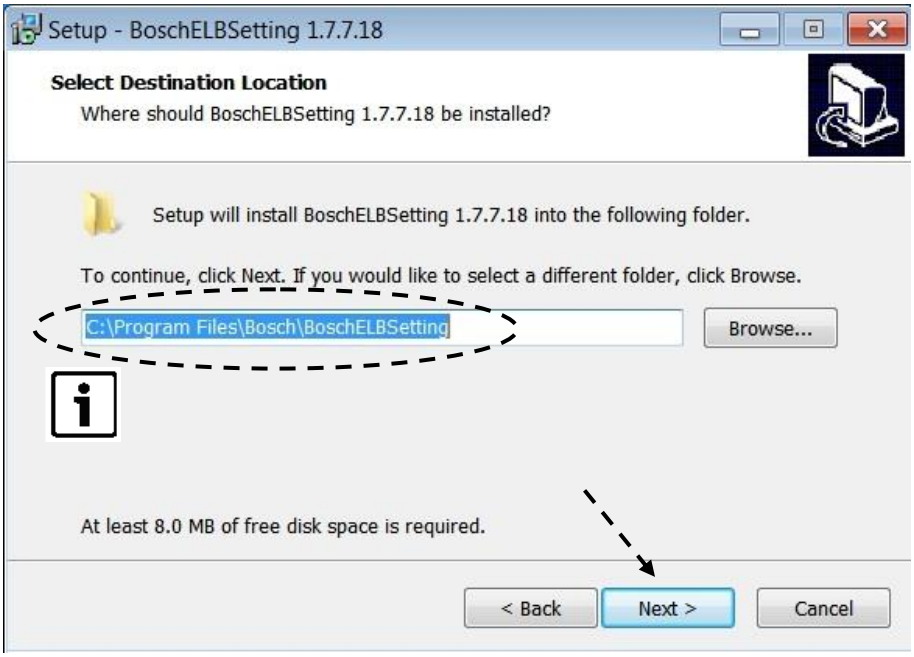
6.



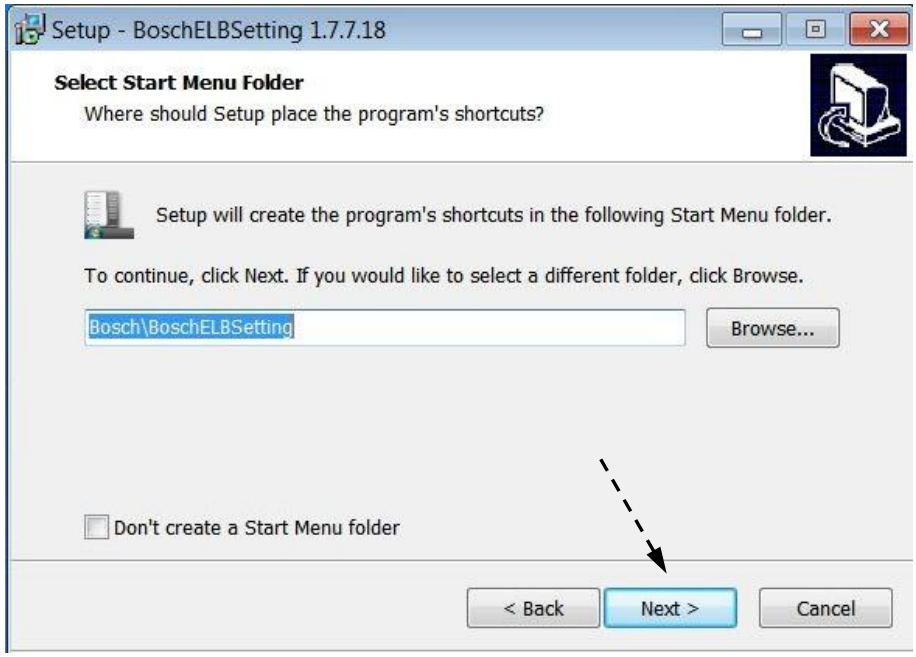


In user languages

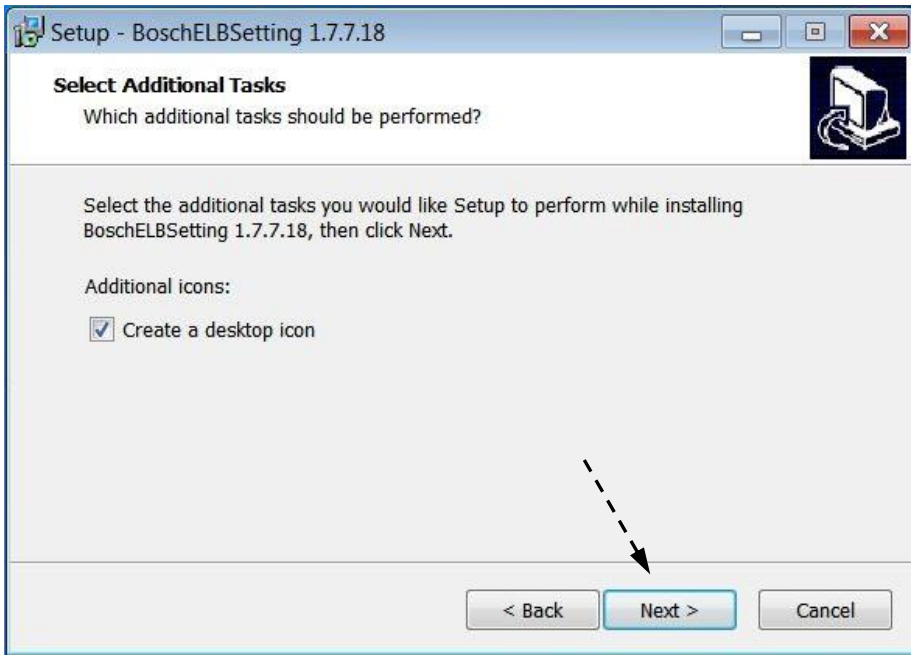
7.


Setup - BoschELBSetting 1.7.7.18
Select Destination Location
Where should BoschELBSetting 1.7.7.18 be installed?
Setup will install BoschELBSetting 1.7.7.18 into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Bosch\BoschELBSetting
Browse...
At least 8.0 MB of free disk space is required.
< Back
Next >
Cancel

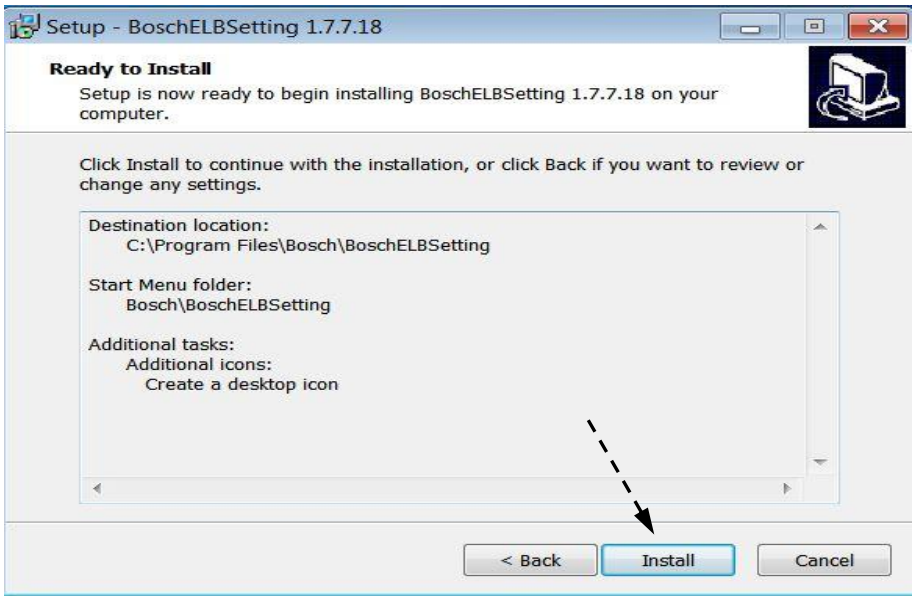
8.

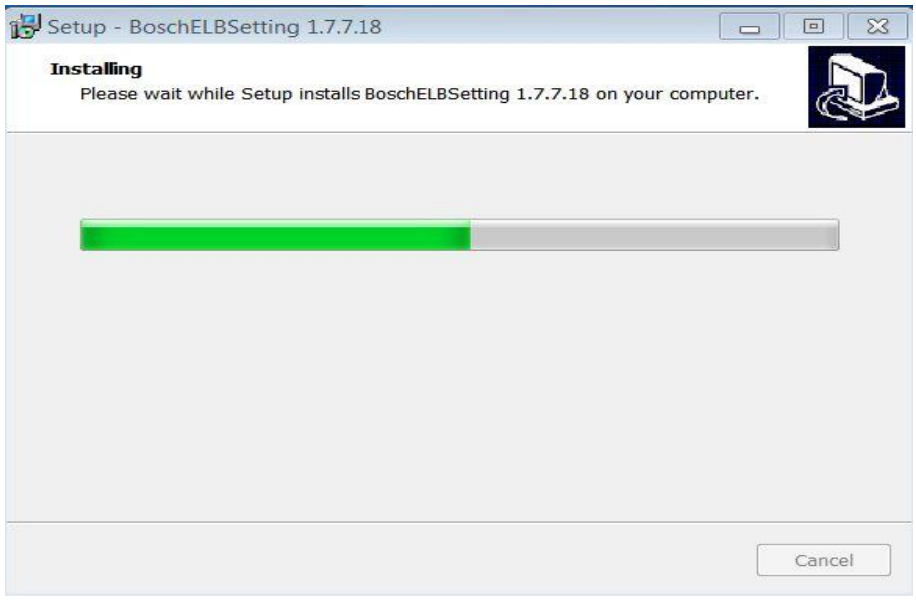

Setup - BoschELBSetting 1.7.7.18
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
Bosch\BoschELBSetting
Browse...
Don't create a Start Menu folder
< Back
Next >
Cancel

9.

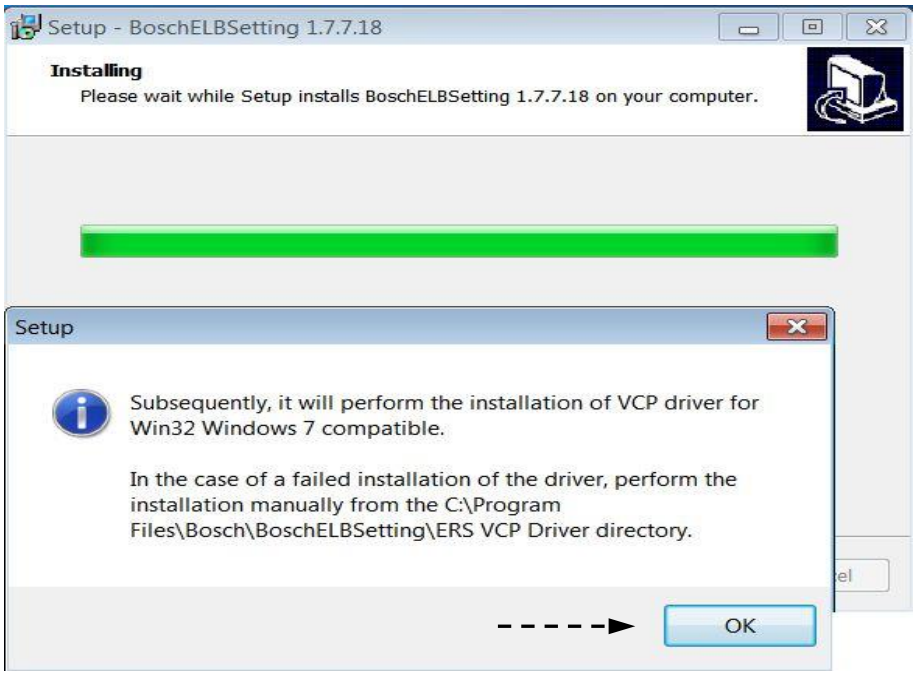

Setup - BoschELBSetting 1.7.7.18
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing BoschELBSetting 1.7.7.18, then click Next.
Additional icons:
Create a desktop icon
< Back
Next >
Cancel

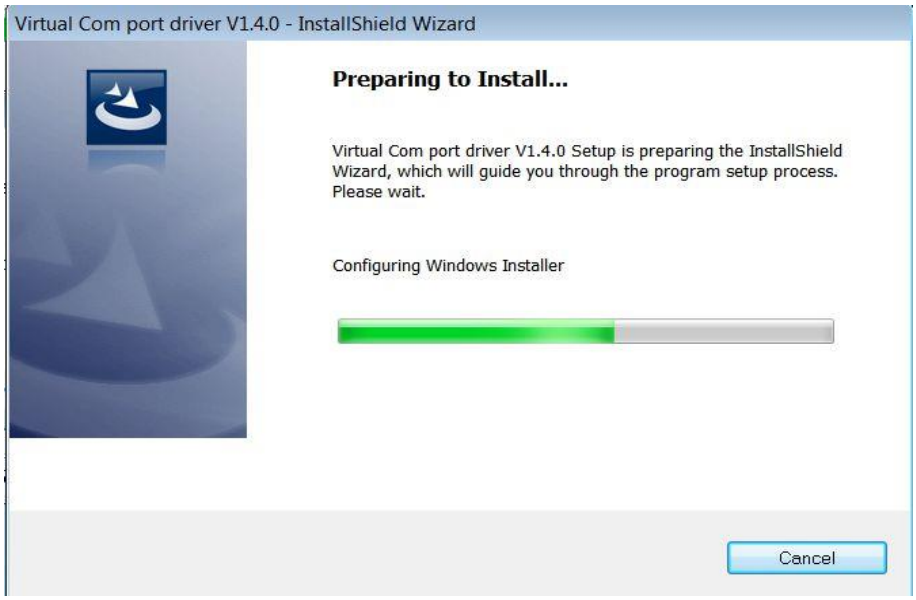
10.


Setup - BoschELBSetting 1.7.7.18
Ready to Install
Setup is now ready to begin installing BoschELBSetting 1.7.7.18 on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\Bosch\BoschELBSetting
Start Menu folder:
Bosch\BoschELBSetting
Additional tasks:
Additional icons:
Create a desktop icon
< Back
Install
Cancel


Setup - BoschELBSetting 1.7.7.18
Installing
Please wait while Setup installs BoschELBSetting 1.7.7.18 on your computer.
Cancel

11.

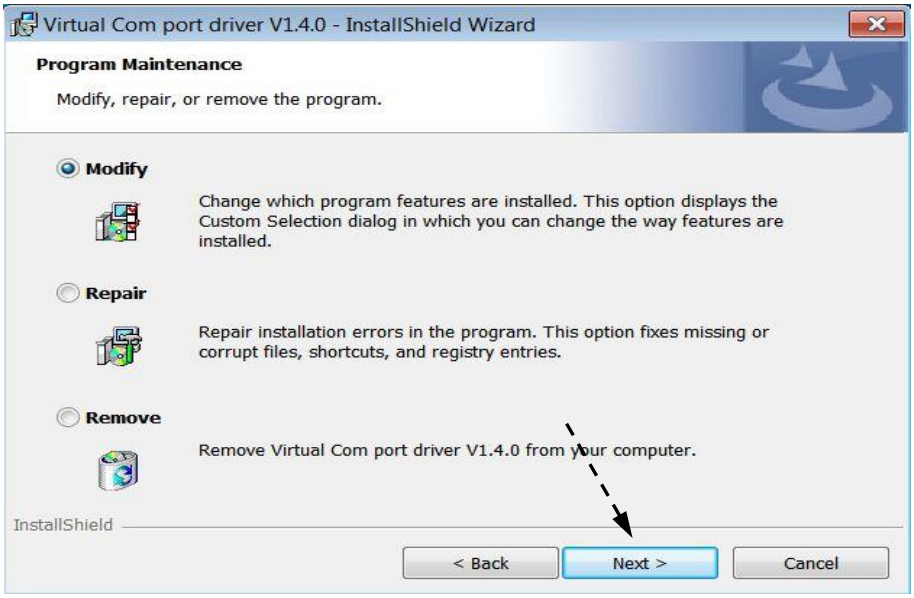

Setup - BoschELBSetting 1.7.7.18
Installing
Please wait while Setup installs BoschELBSetting 1.7.7.18 on your computer.
Setup
Subsequently, it will perform the installation of VCP driver for Win32 Windows 7 compatible.
In the case of a failed installation of the driver, perform the installation manually from the C:\Program Files\Bosch\BoschELBSetting\ERS VCP Driver directory.
OK


Virtual Com port driver V1.4.0 - InstallShield Wizard
Preparing to Install...
Virtual Com port driver V1.4.0 Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Configuring Windows Installer
Cancel

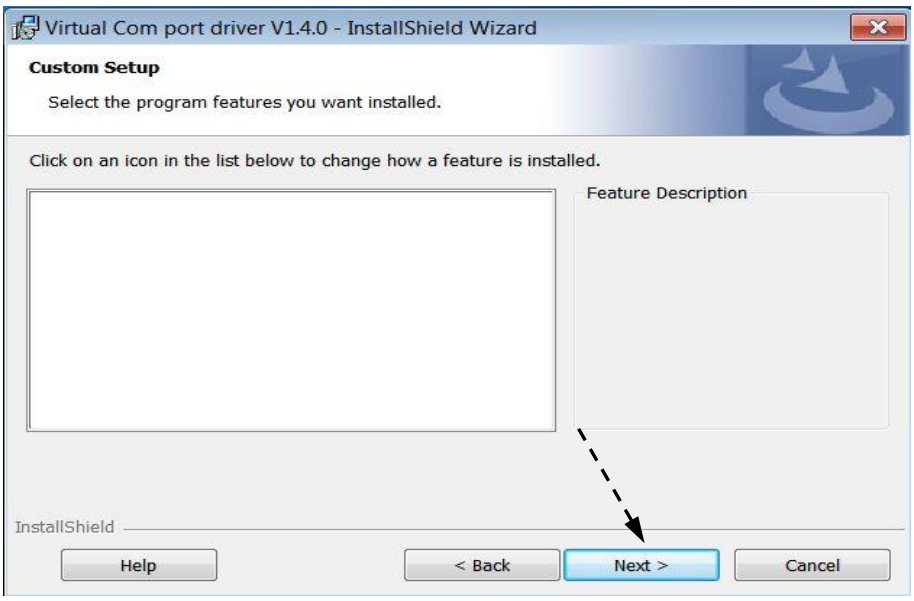
12.

Virtual Com port driver V1.4.0 - InstallShield Wizard
Welcome to the InstallShield Wizard for Virtual Com port driver V1.4.0
The InstallShield(R) Wizard will allow you to modify, repair, or remove Virtual Com port driver V1.4.0. To continue, click Next.
< Back
Next >
Cancel

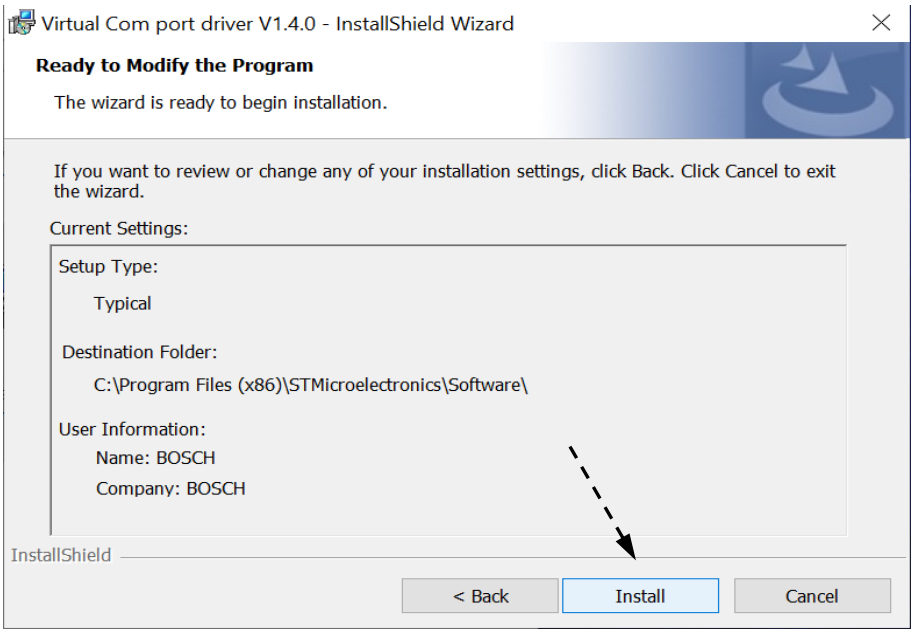
13.

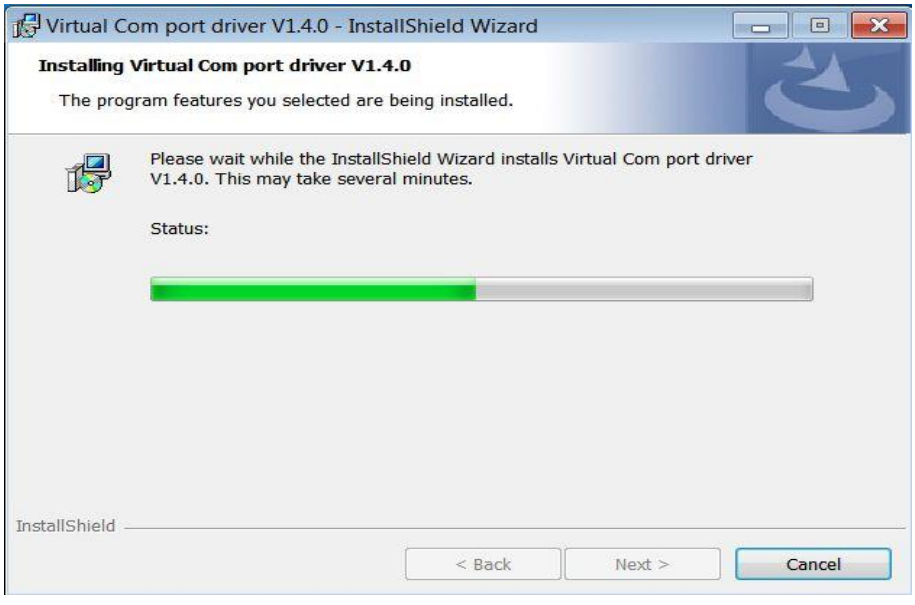

Virtual Com port driver V1.4.0 - InstallShield Wizard
Program Maintenance
Modify, repair, or remove the program.
Modify
Change which program features are installed. This option displays the Custom Selection dialog in which you can change the way features are installed.
Repair
Repair installation errors in the program. This option fixes missing or corrupt files, shortcuts, and registry entries.
Remove
Remove Virtual Com port driver V1.4.0 from your computer.
InstallShield
< Back
Next >
Cancel

14.


Virtual Com port driver V1.4.0 - InstallShield Wizard
Custom Setup
Select the program features you want installed.
Click on an icon in the list below to change how a feature is installed.
Feature Description
InstallShield
Help
< Back
Next >
Cancel

15.

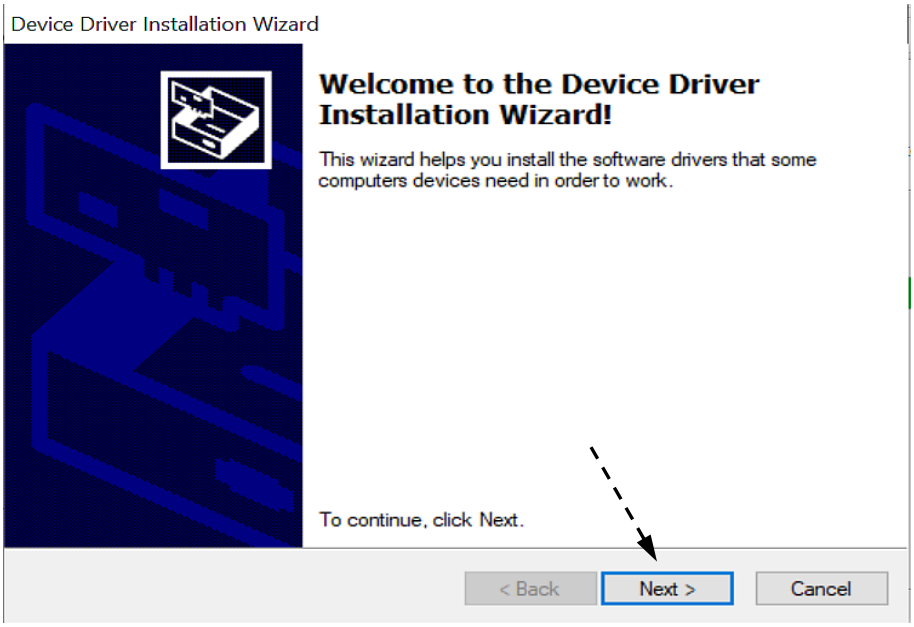

Virtual Com port driver V1.4.0 - InstallShield Wizard
Ready to Modify the Program
The wizard is ready to begin installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Current Settings:
Setup Type:
Typical
Destination Folder:
C:\Program Files (x86)\STMicroelectronics\Software\
User Information:
Name: BOSCH
Company: BOSCH
InstallShield
< Back
Install
Cancel


Virtual Com port driver V1.4.0 - InstallShield Wizard
Installing Virtual Com port driver V1.4.0
The program features you selected are being installed.
Please wait while the InstallShield Wizard installs Virtual Com port driver V1.4.0. This may take several minutes.
Status:
InstallShield
< Back
Next >
Cancel

16.

Virtual Com port driver V1.4.0 - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Virtual Com port driver V1.4.0. Click Finish to exit the wizard.
< Back
Finish
Cancel

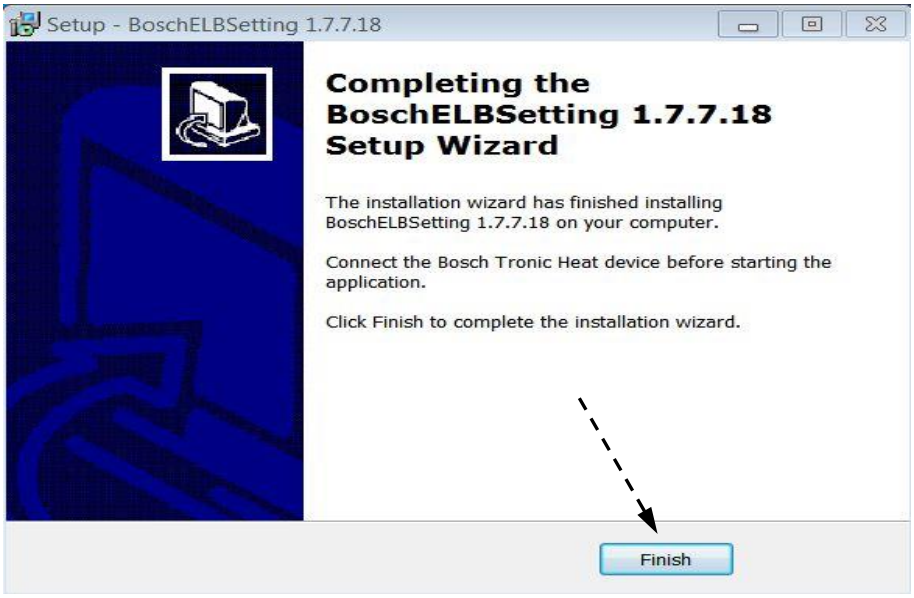
17.

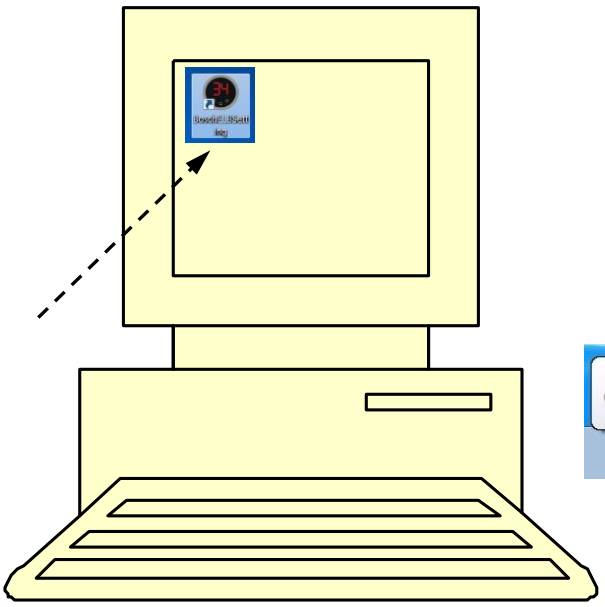

Device Driver Installation Wizard
Welcome to the Device Driver Installation Wizard!
This wizard helps you install the software drivers that some computers devices need in order to work.
To continue, click Next.
< Back
Next >
Cancel

18.

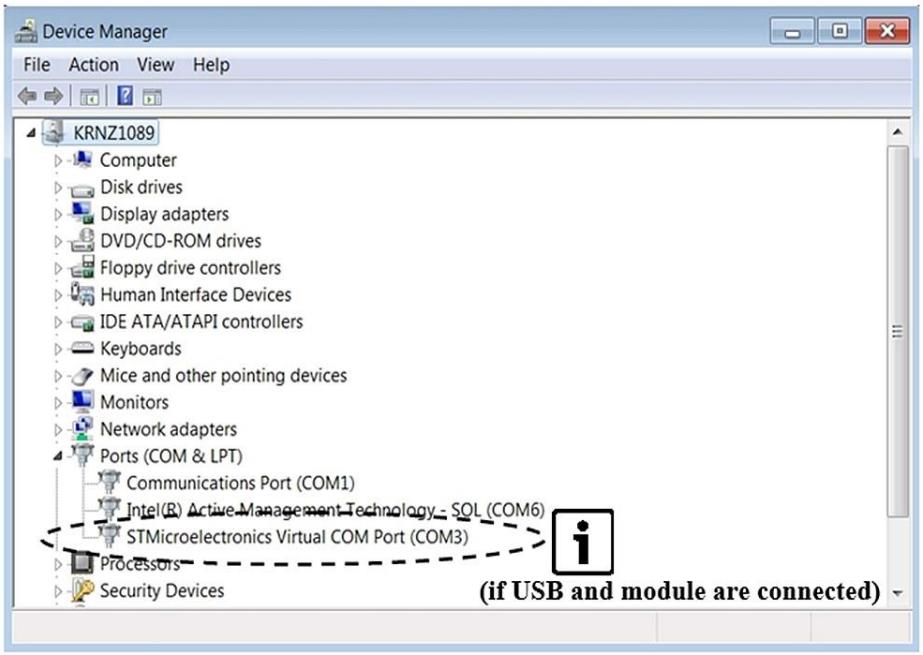
Device Driver Installation Wizard
Completing the Device Driver Installation Wizard
The device driver installation wizard did not update any of your software for your hardware devices because it was not better than the software you currently have installed.
Driver Name
Status
STMicroelectronics (usb...
Ready to use
< Back
Finish
Cancel

19.

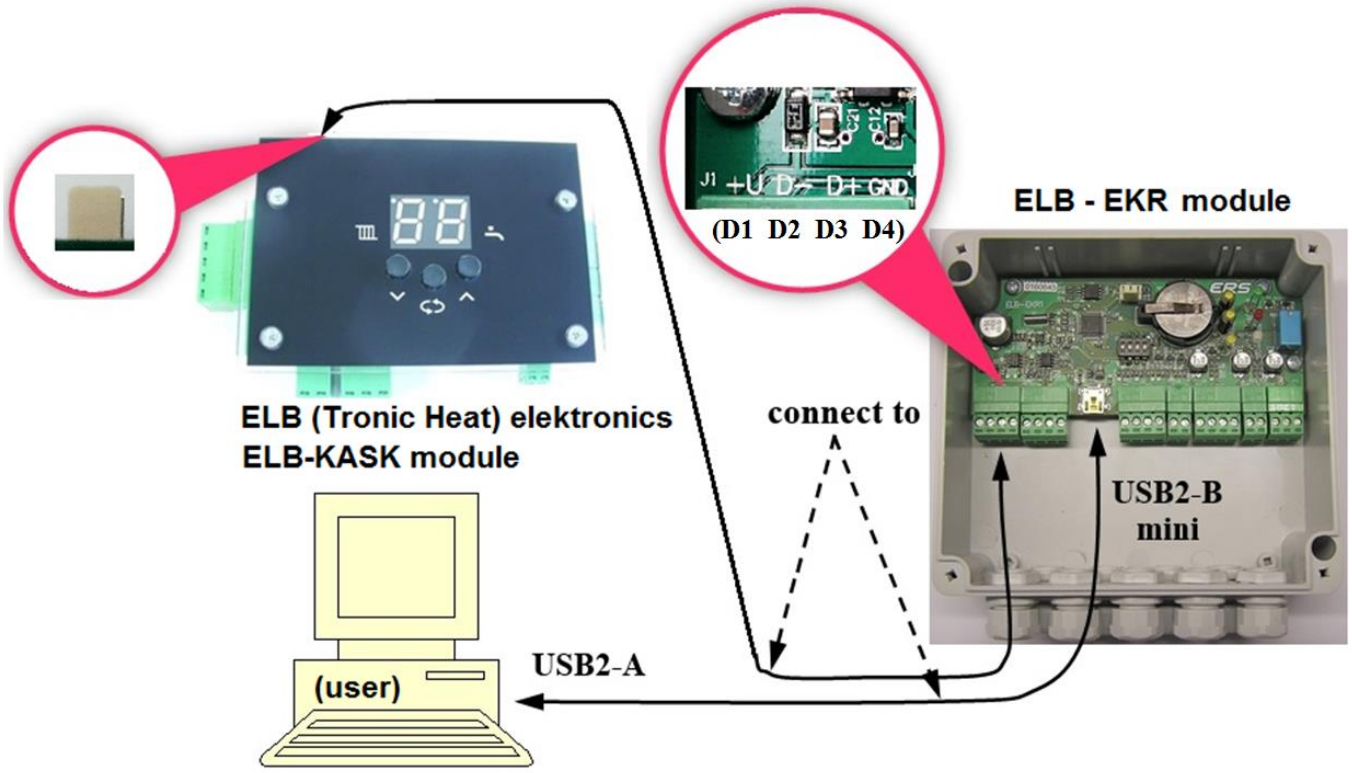

Setup - BoschELBSetting 1.7.7.18
Completing the BoschELBSetting 1.7.7.18 Setup Wizard
The installation wizard has finished installing BoschELBSetting 1.7.7.18 on your computer.
Connect the Bosch Tronic Heat device before starting the application.
Click Finish to complete the installation wizard.
Finish



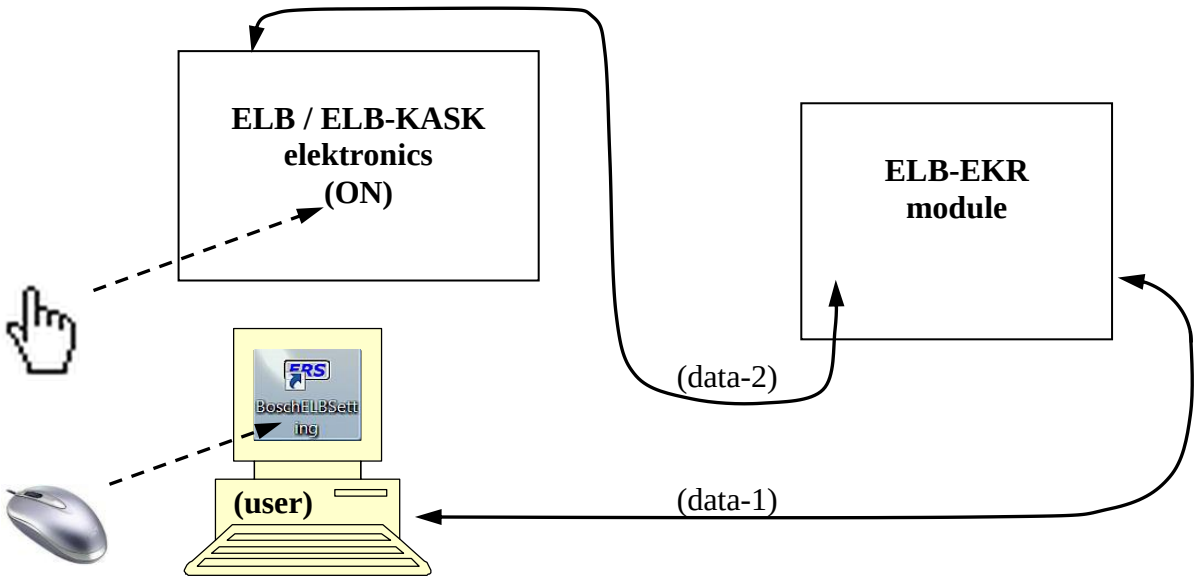
STMicroelectronics Virtual COM Port (COM3)
Device driver software installed successfully.
EN


Device Manager
File Action View Help
KRNZ1089
Computer
Disk drives
Display adapters
DVD/CD-ROM drives
Floppy drive controllers
Human Interface Devices
IDE ATA/ATAPI controllers
Keyboards
Mice and other pointing devices
Monitors
Network adapters
Ports (COM & LPT)
Communications Port (COM1)
Intel(R) Active Management Technology - SOL (COM6)
STMicroelectronics Virtual COM Port (COM3)
Processors
Security Devices
(if USB and module are connected)

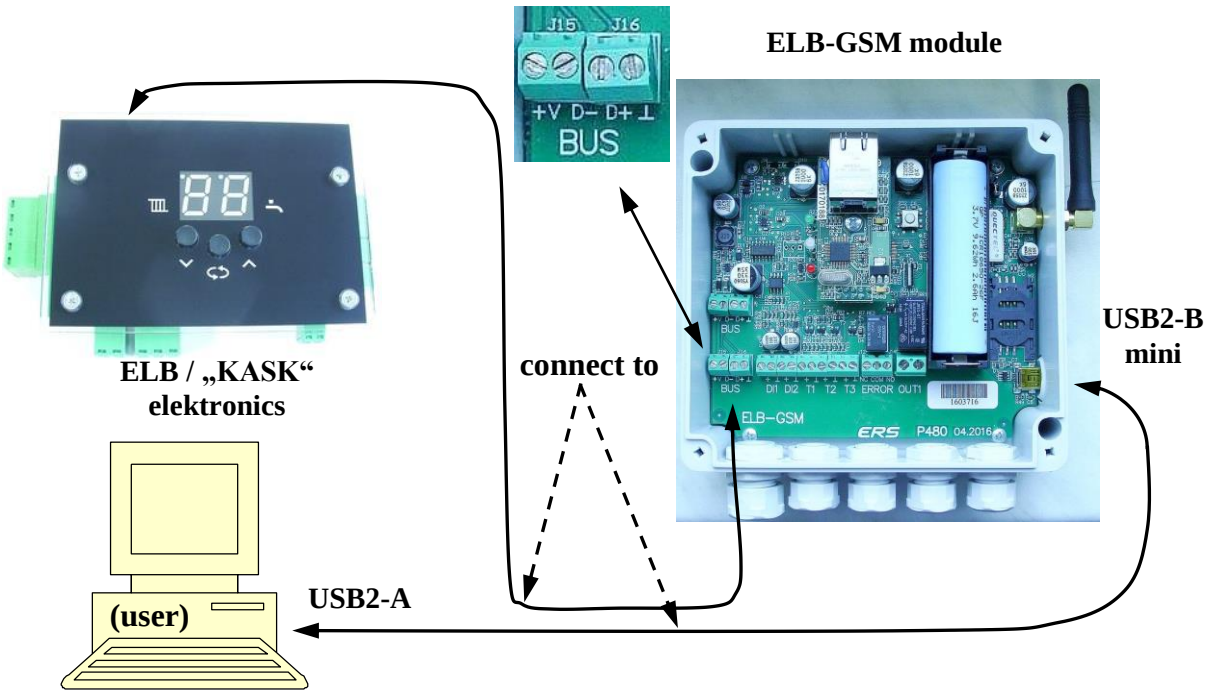
20A. User possibilities (with USB cable and ELB-EKR module)



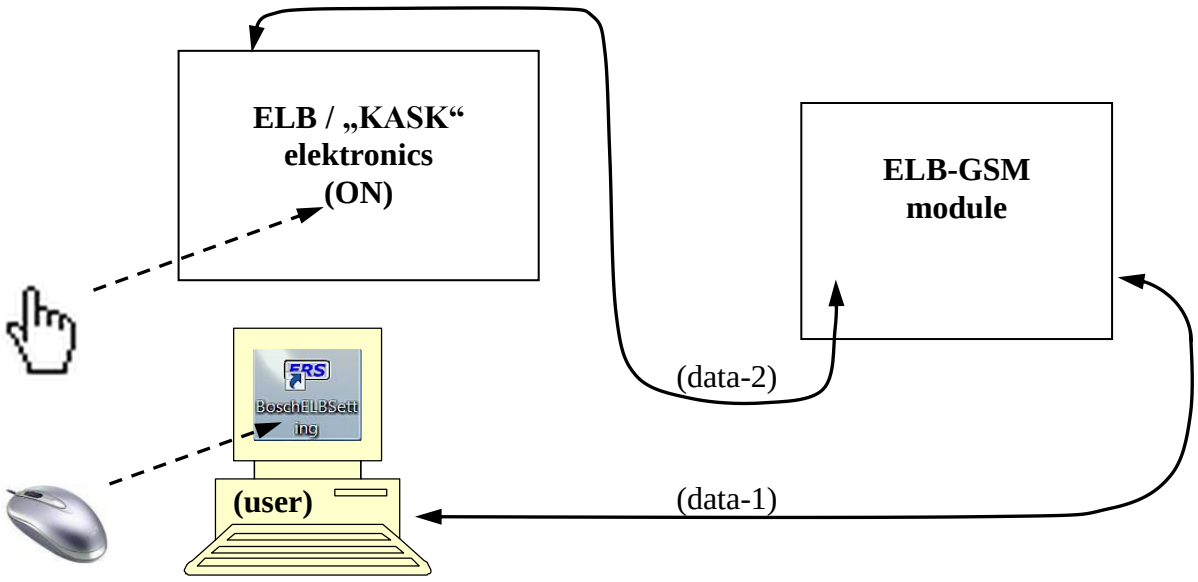
20B.



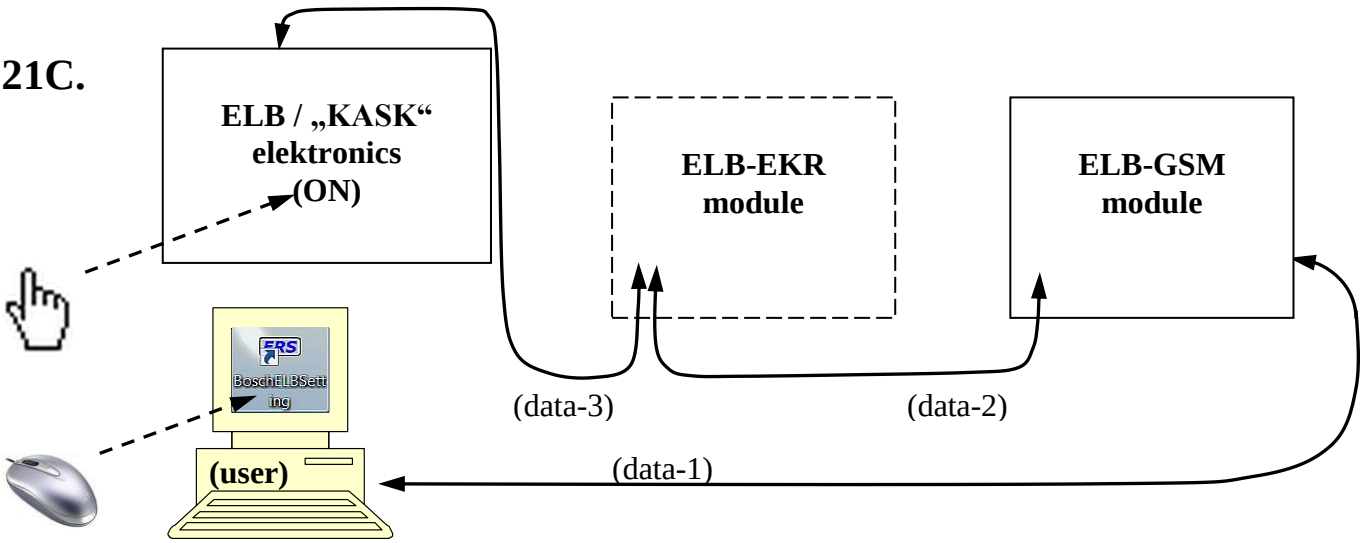
21A. User possibilities (with USB cable and ELB-GSM / -LAN / -WLAN modules)



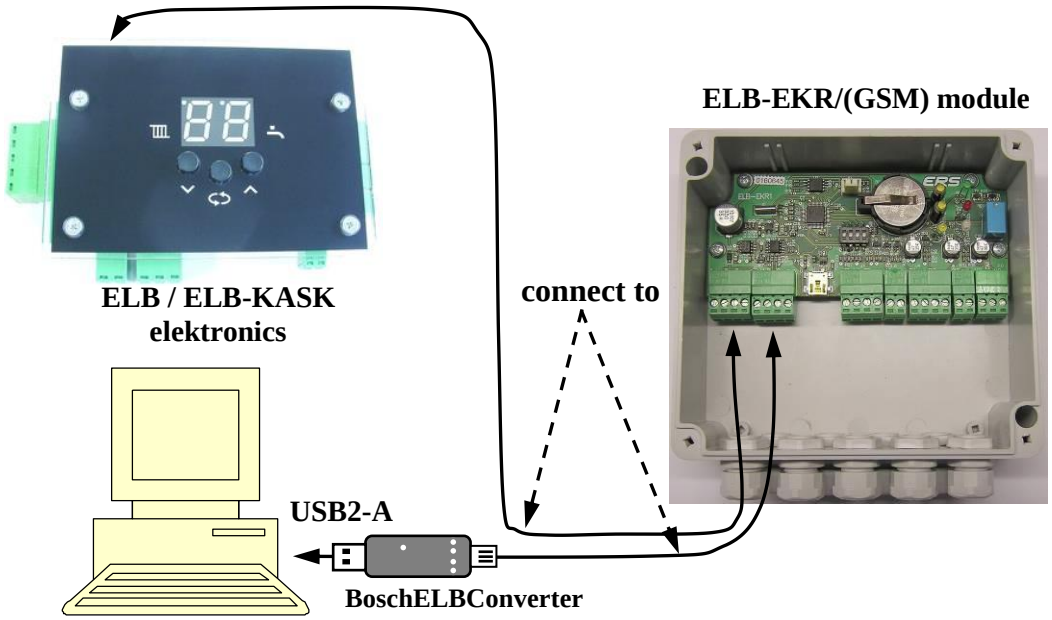
21B.



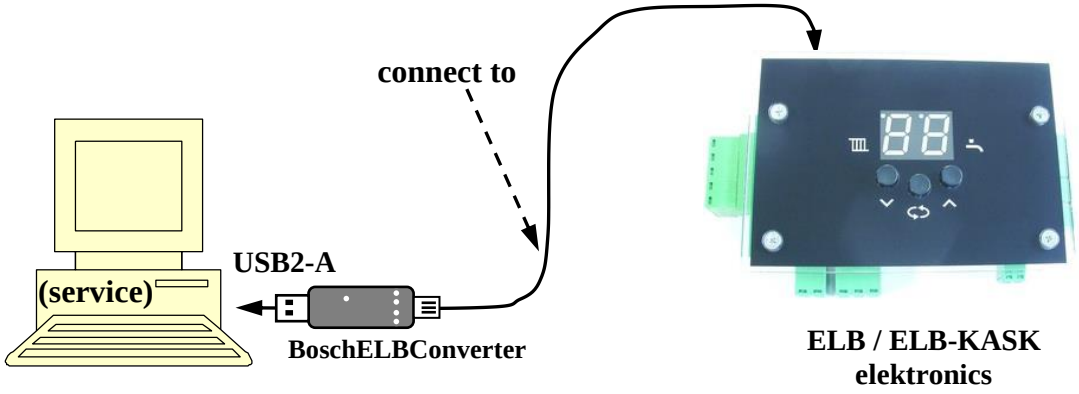
21C.



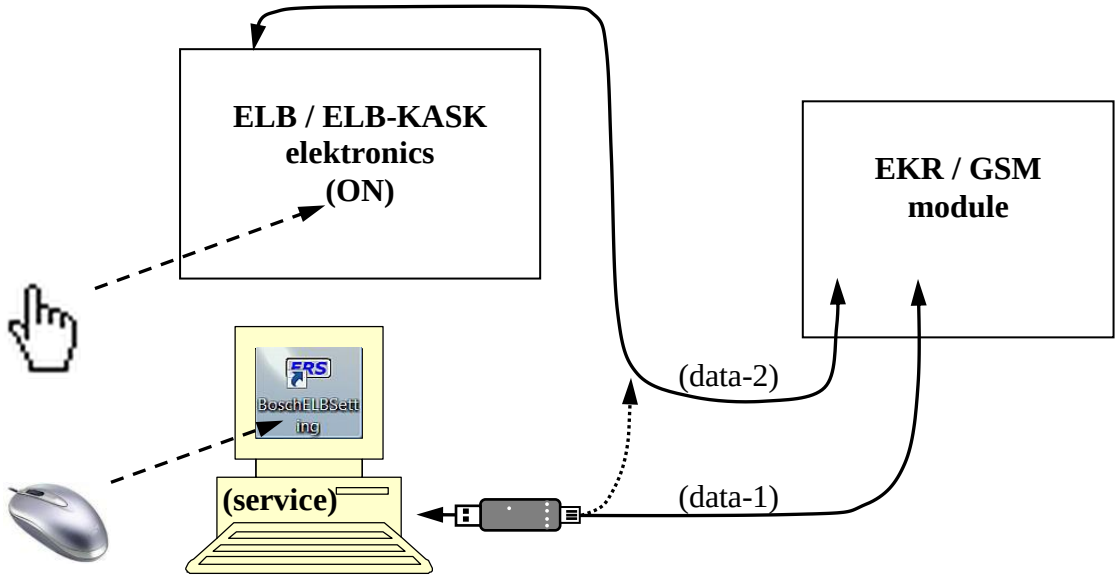
22A. Service possibilities (with BoschELBConverter and ELB-… modules)



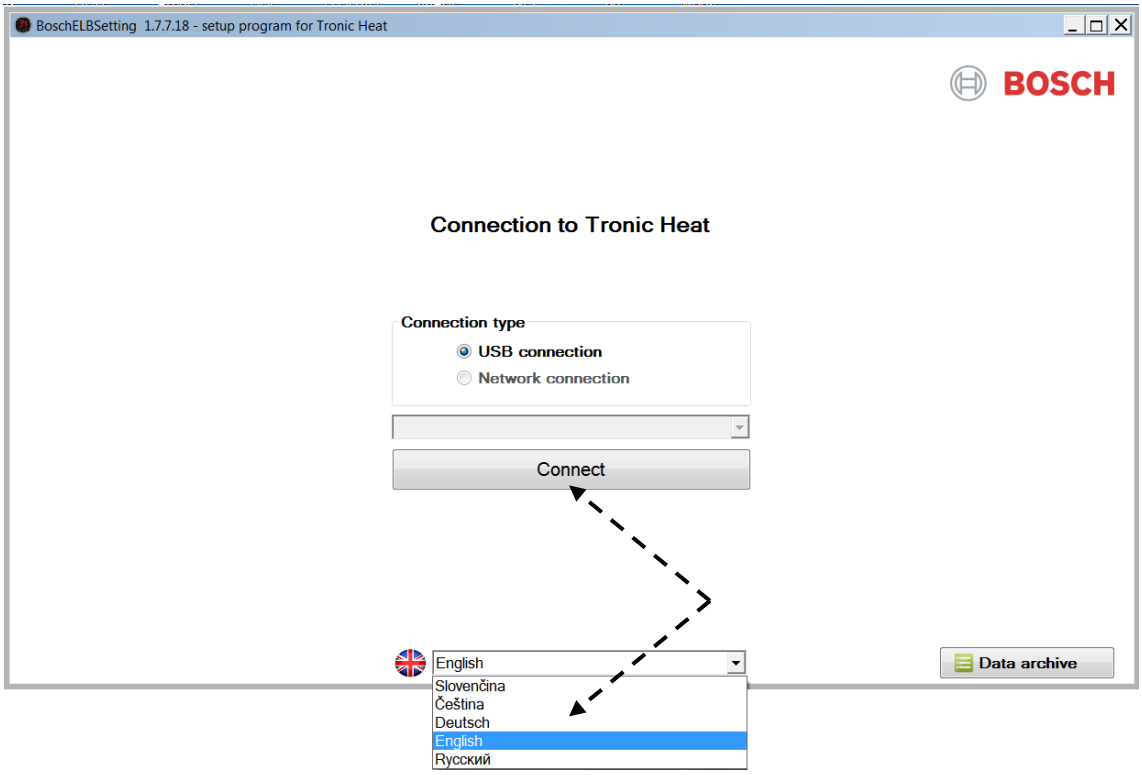
22B.



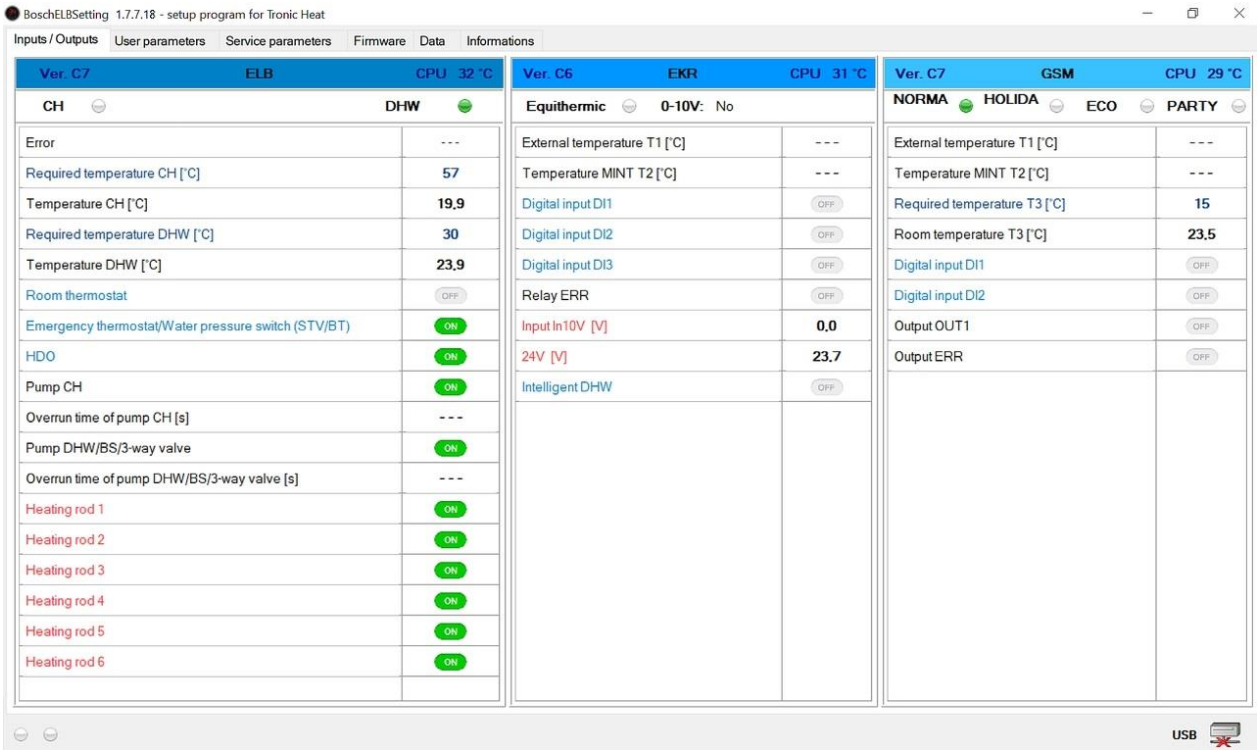
22C.



23A. Start the program BoschELBSetting

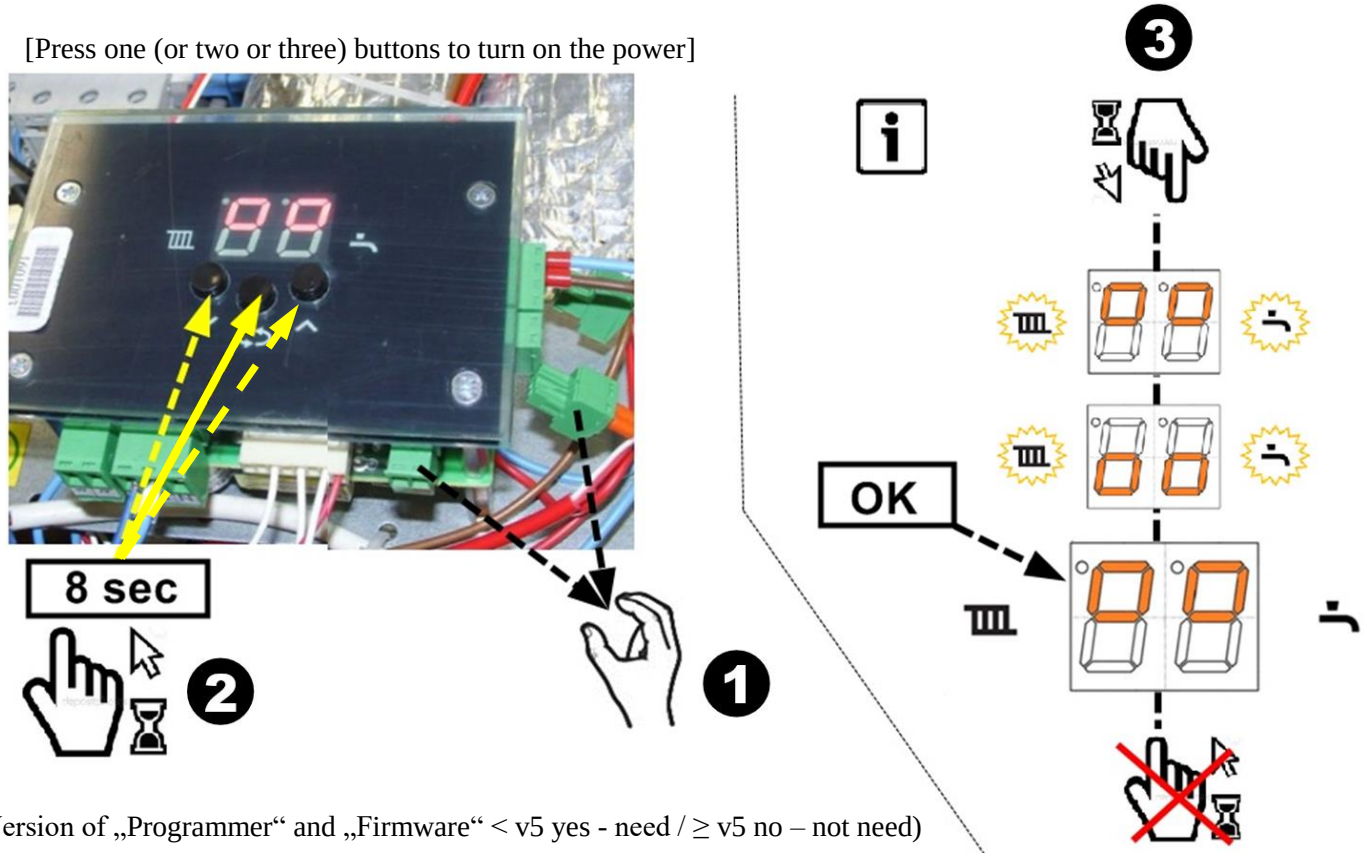


23B.



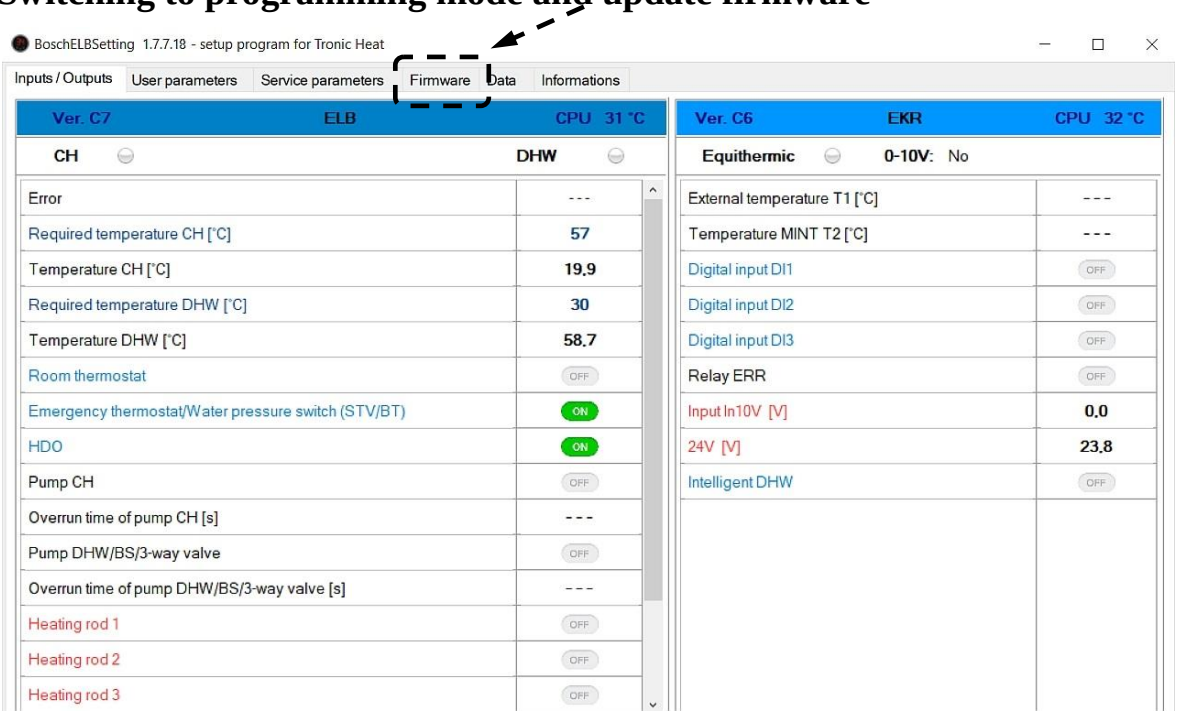
24. (If the electronics itself do not switch to programming mode)

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

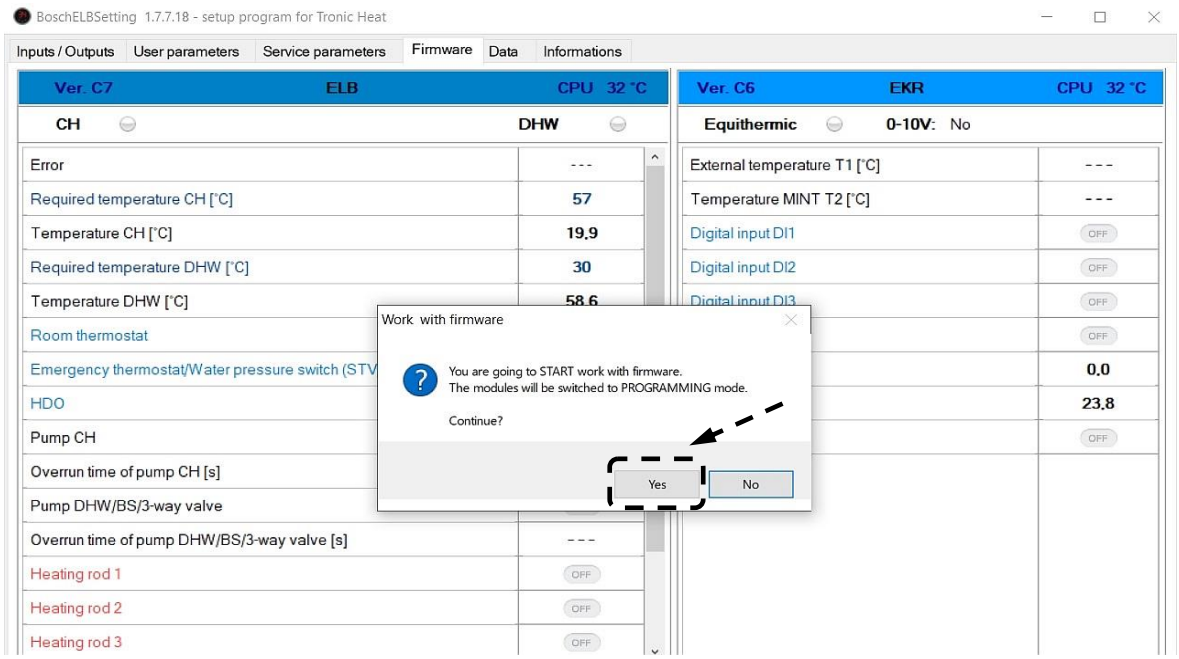


(Version of „Programmer“ and „Firmware“ < v5 yes - need / ≥ v5 no – not need)

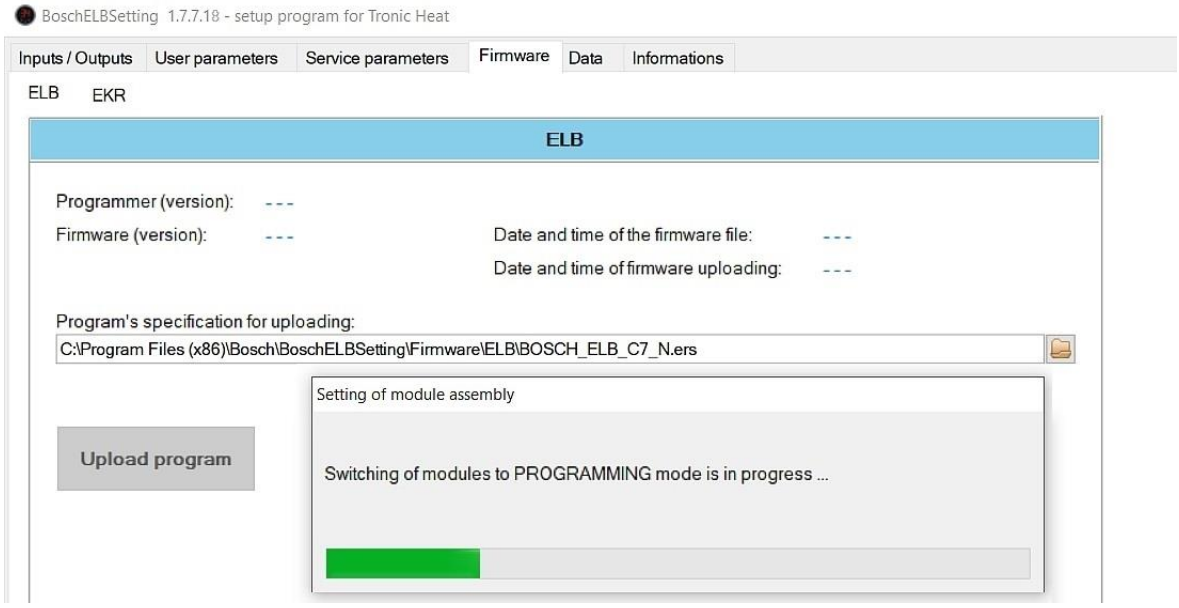
25. Switching to programming mode and update firmware



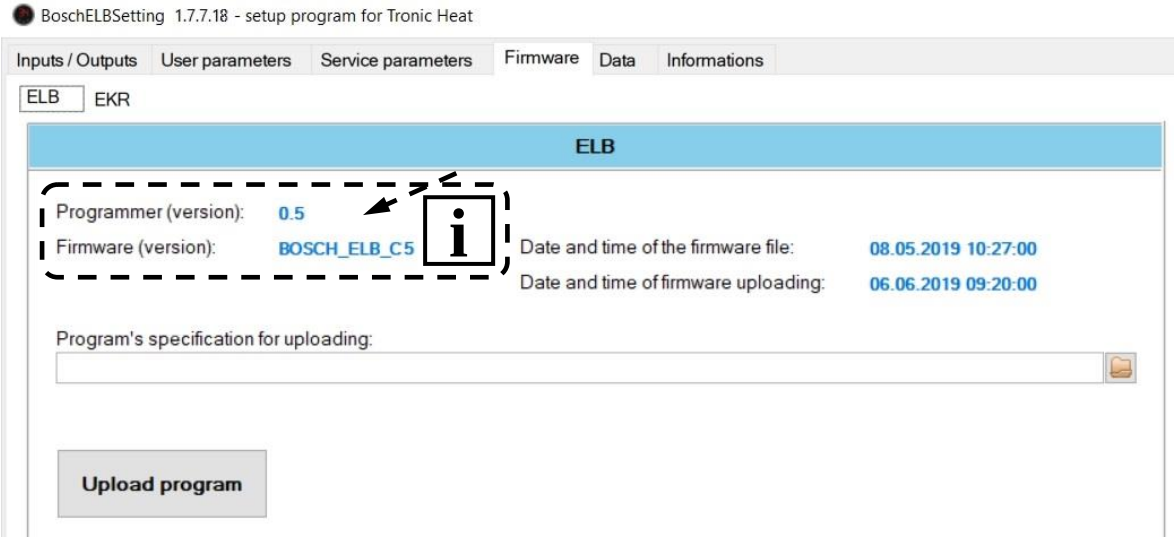
26A.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
Inputs / Outputs
User parameters
Service parameters
Firmware
Data
Informations
Ver. C7
ELB
CPU 32 °C
CH
DHW
Error
Required temperature CH [°C]
57
Temperature CH [°C]
19,9
Required temperature DHW [°C]
30
Temperature DHW [°C]
58,6
Room thermostat
Emergency thermostat/Water pressure switch (STV
HDO
Pump CH
Overrun time of pump CH [s]
Pump DHW/BS/3-way valve
Overrun time of pump DHW/BS/3-way valve [s]
Heating rod 1
Heating rod 2
Heating rod 3
Ver. C6
EKR
CPU 32 °C
Equithermic
0-10V: No
External temperature T1 [°C]
Temperature MINT T2 [°C]
Digital input DI1
Digital input DI2
Digital input DI3
0,0
23,8
Work with firmware
You are going to START work with firmware.
The modules will be switched to PROGRAMMING mode.
Continue?
Yes
No

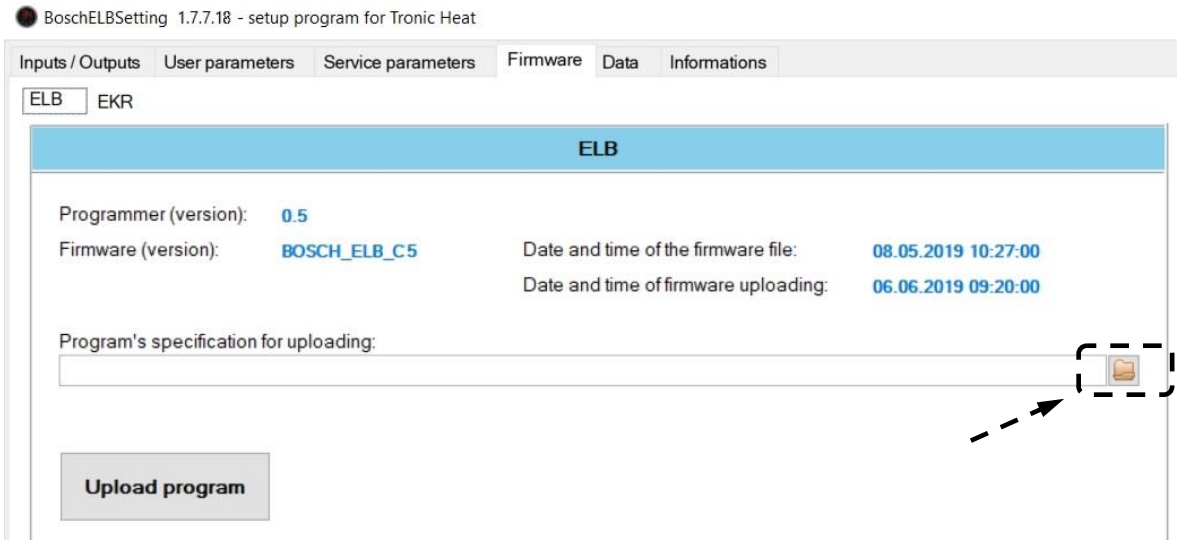
26B.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
Inputs / Outputs
User parameters
Service parameters
Firmware
Data
Informations
ELB
EKR
ELB
Programmer (version):
Firmware (version):
Date and time of the firmware file:
Date and time of firmware uploading:
Program's specification for uploading:
C:\Program Files (x86)\Bosch\BoschELBSetting\Firmware\ELB\BOSCH_ELB_C7_N.ers
Upload program
Setting of module assembly
Switching of modules to PROGRAMMING mode is in progress ...

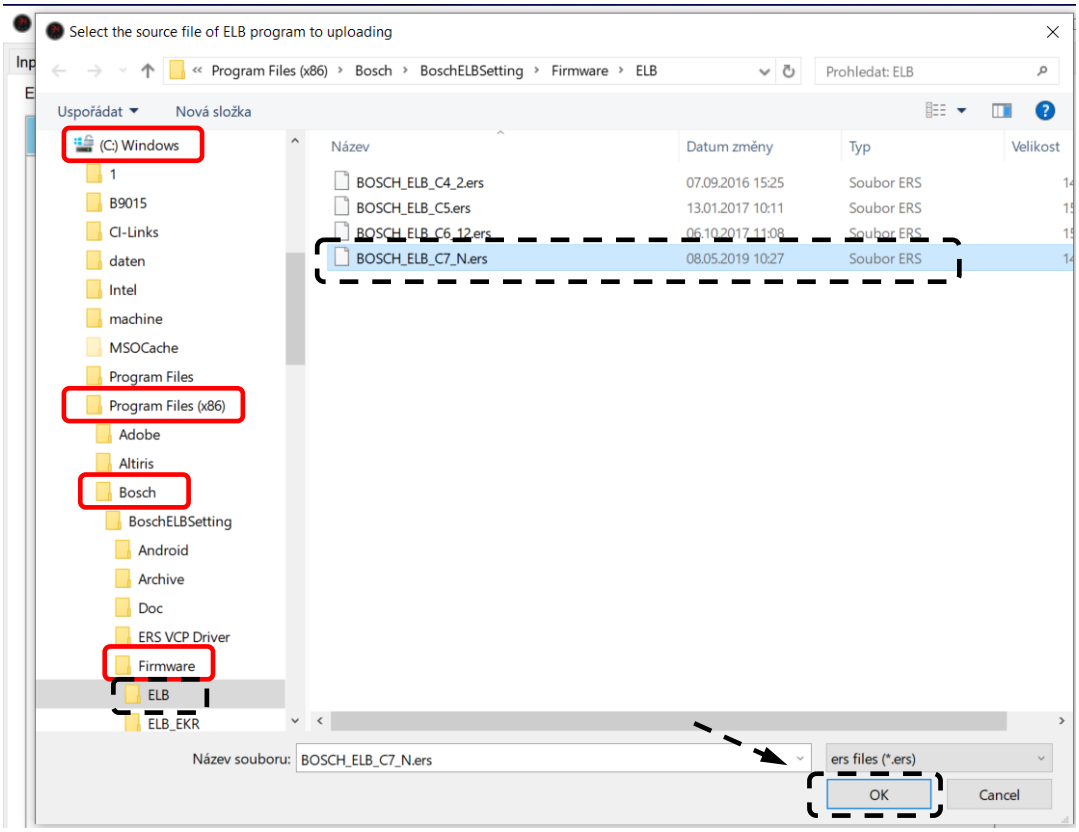
26C.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
Inputs / Outputs
User parameters
Service parameters
Firmware
Data
Informations
ELB
EKR
ELB
Programmer (version): 0.5
Firmware (version): BOSCH_ELB_C5
Date and time of the firmware file: 08.05.2019 10:27:00
Date and time of firmware uploading: 06.06.2019 09:20:00
Program's specification for uploading:
Upload program

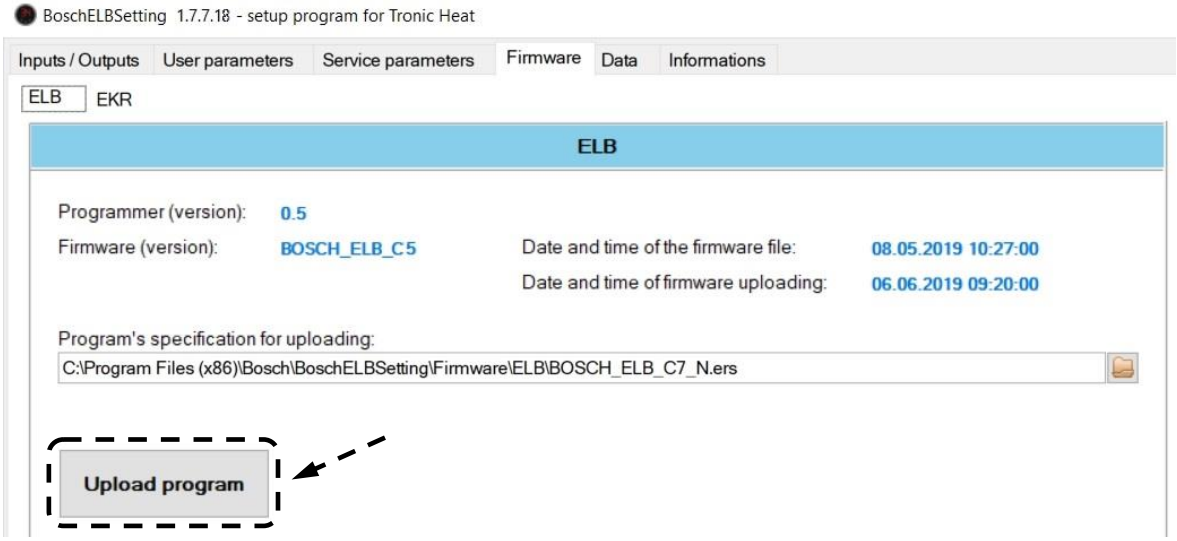
27.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
Inputs / Outputs
User parameters
Service parameters
Firmware
Data
Informations
ELB
EKR
ELB
Programmer (version): 0.5
Firmware (version): BOSCH_ELB_C5
Date and time of the firmware file: 08.05.2019 10:27:00
Date and time of firmware uploading: 06.06.2019 09:20:00
Program's specification for uploading:
Upload program

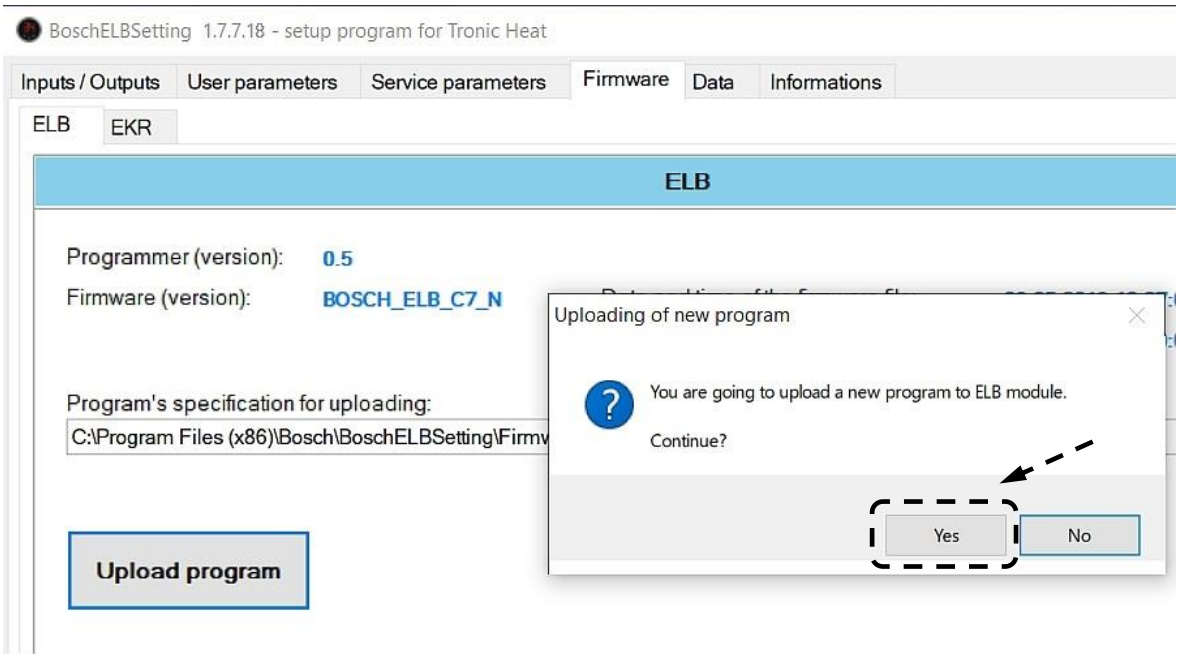
28.


Select the source file of ELB program to uploading
Program Files (x86) › Bosch › BoschELBSetting › Firmware › ELB
Prohledat: ELB
Uspořádat
Nová složka
(C:) Windows
1
B9015
CI-Links
daten
Intel
machine
MSOCache
Program Files
Program Files (x86)
Adobe
Altiris
Bosch
BoschELBSetting
Android
Archive
Doc
ERS VCP Driver
Firmware
ELB
ELB_EKR
Název
Datum změny
Typ
Velikost
BOSCH_ELB_C4_2.ers 07.09.2016 15:25 Soubor ERS
BOSCH_ELB_C5.ers 13.01.2017 10:11 Soubor ERS
BOSCH_ELB_C6_12.ers 06.10.2017 11:08 Soubor ERS
BOSCH_ELB_C7_N.ers 08.05.2019 10:27 Soubor ERS
Název souboru: BOSCH_ELB_C7_N.ers
ers files (*.ers)
OK
Cancel

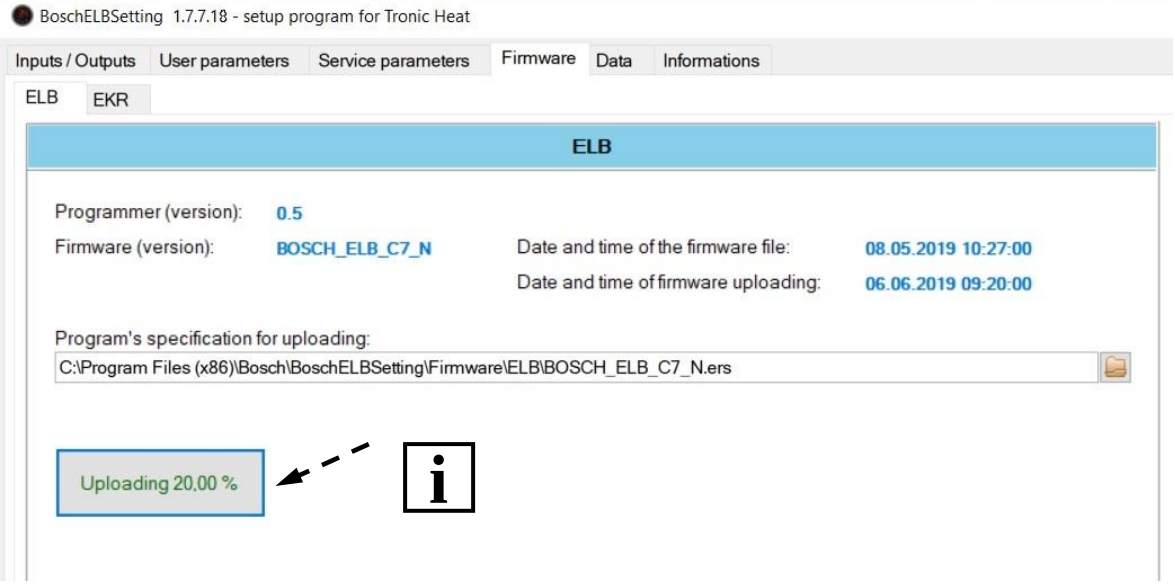
29.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
Inputs / Outputs
User parameters
Service parameters
Firmware
Data
Informations
ELB
EKR
ELB
Programmer (version): 0.5
Firmware (version): BOSCH_ELB_C5
Date and time of the firmware file: 08.05.2019 10:27:00
Date and time of firmware uploading: 06.06.2019 09:20:00
Program's specification for uploading:
C:\Program Files (x86)\Bosch\BoschELBSetting\Firmware\ELB\BOSCH_ELB_C7_N.ers
Upload program

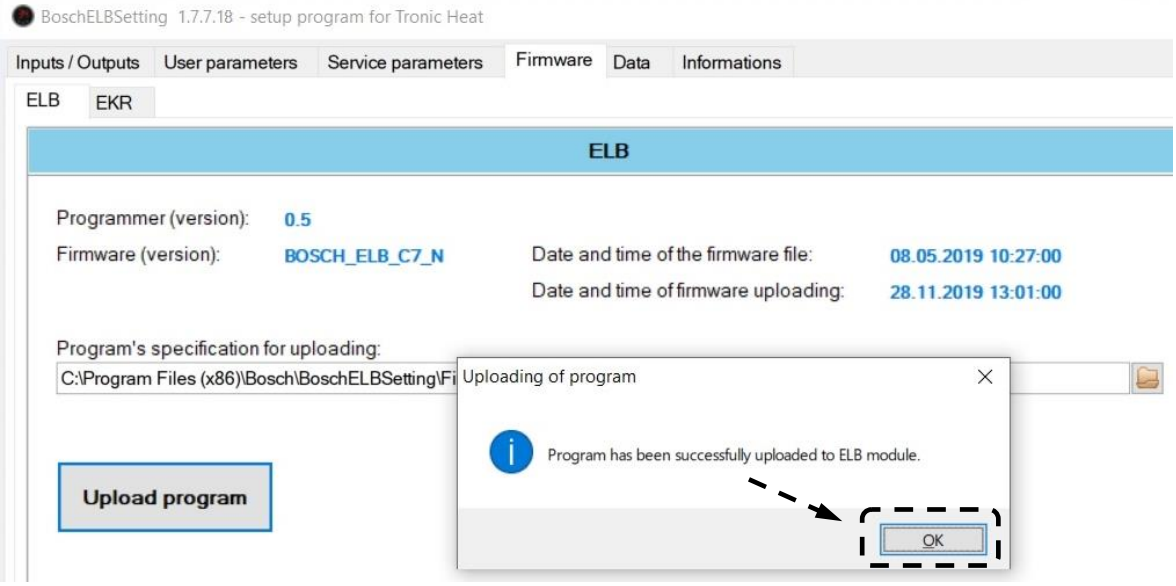
30A.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
Inputs / Outputs
User parameters
Service parameters
Firmware
Data
Informations
ELB
EKR
ELB
Programmer (version):
0.5
Firmware (version):
BOSCH_ELB_C7_N
Program's specification for uploading:
C:\Program Files (x86)\Bosch\BoschELBSetting\Firmv
Upload program
Uploading of new program
You are going to upload a new program to ELB module.
Continue?
Yes
No

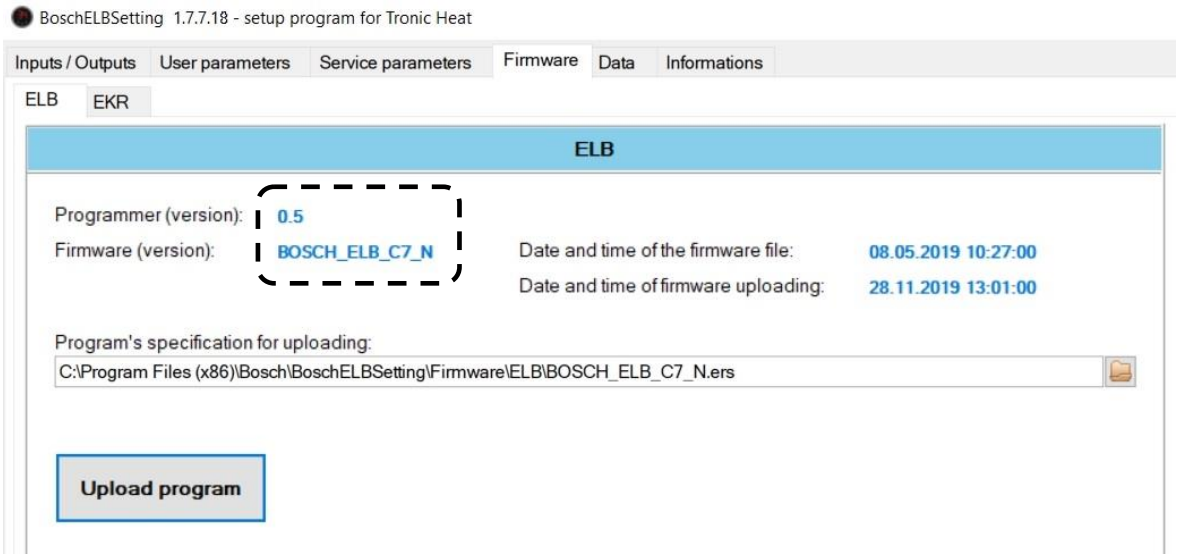
30B.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
Inputs / Outputs
User parameters
Service parameters
Firmware
Data
Informations
ELB
EKR
ELB
Programmer (version):
0.5
Firmware (version):
BOSCH_ELB_C7_N
Date and time of the firmware file:
08.05.2019 10:27:00
Date and time of firmware uploading:
06.06.2019 09:20:00
Program's specification for uploading:
C:\Program Files (x86)\Bosch\BoschELBSetting\Firmware\ELB\BOSCH_ELB_C7_N.ers
Uploading 20,00 %

30C.

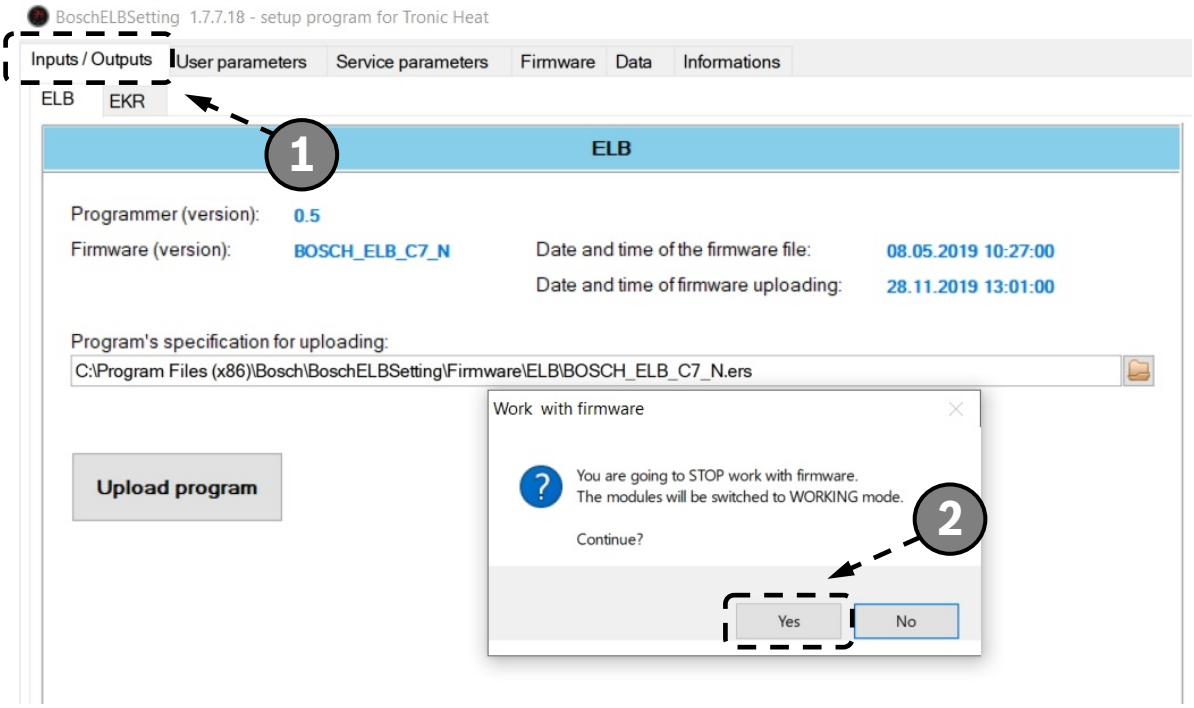

BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
Inputs / Outputs
User parameters
Service parameters
Firmware
Data
Informations
ELB
EKR
ELB
Programmer (version):
0.5
Firmware (version):
BOSCH_ELB_C7_N
Date and time of the firmware file:
08.05.2019 10:27:00
Date and time of firmware uploading:
28.11.2019 13:01:00
Program's specification for uploading:
Upload program
Uploading of program
Program has been successfully uploaded to ELB module.
OK

30D.

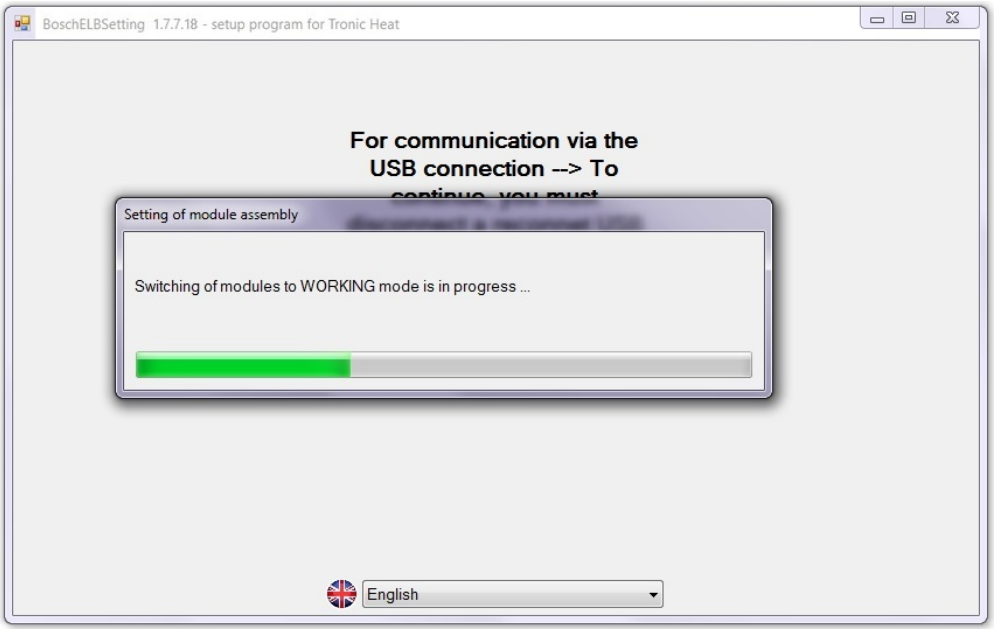


31. Working mode

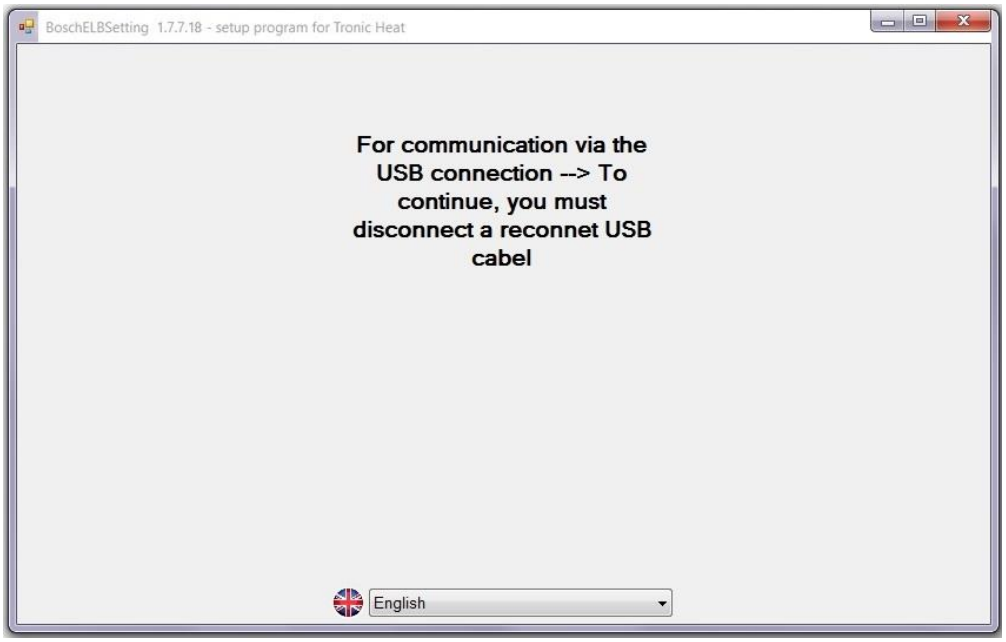
32A.



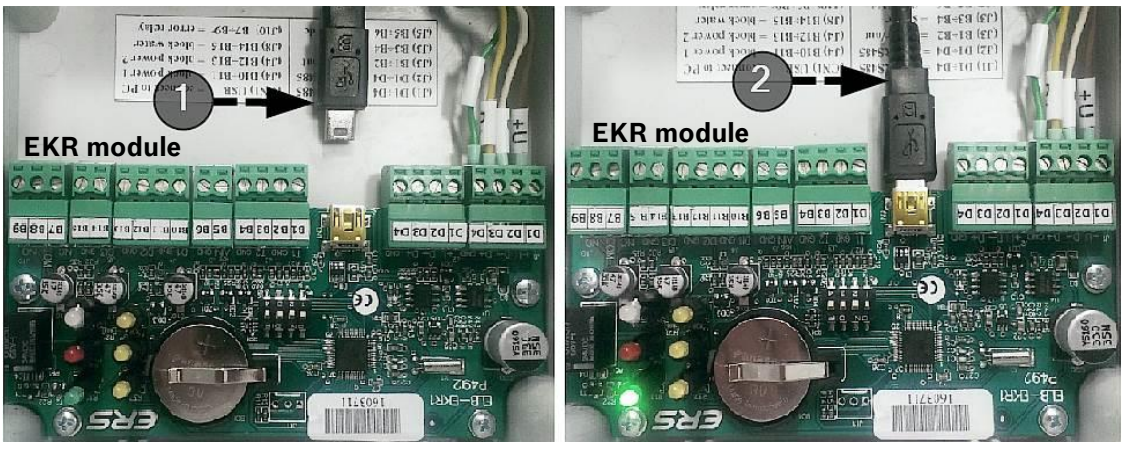
32B.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
For communication via the
USB connection --> To
Setting of module assembly
Switching of modules to WORKING mode is in progress ...
English

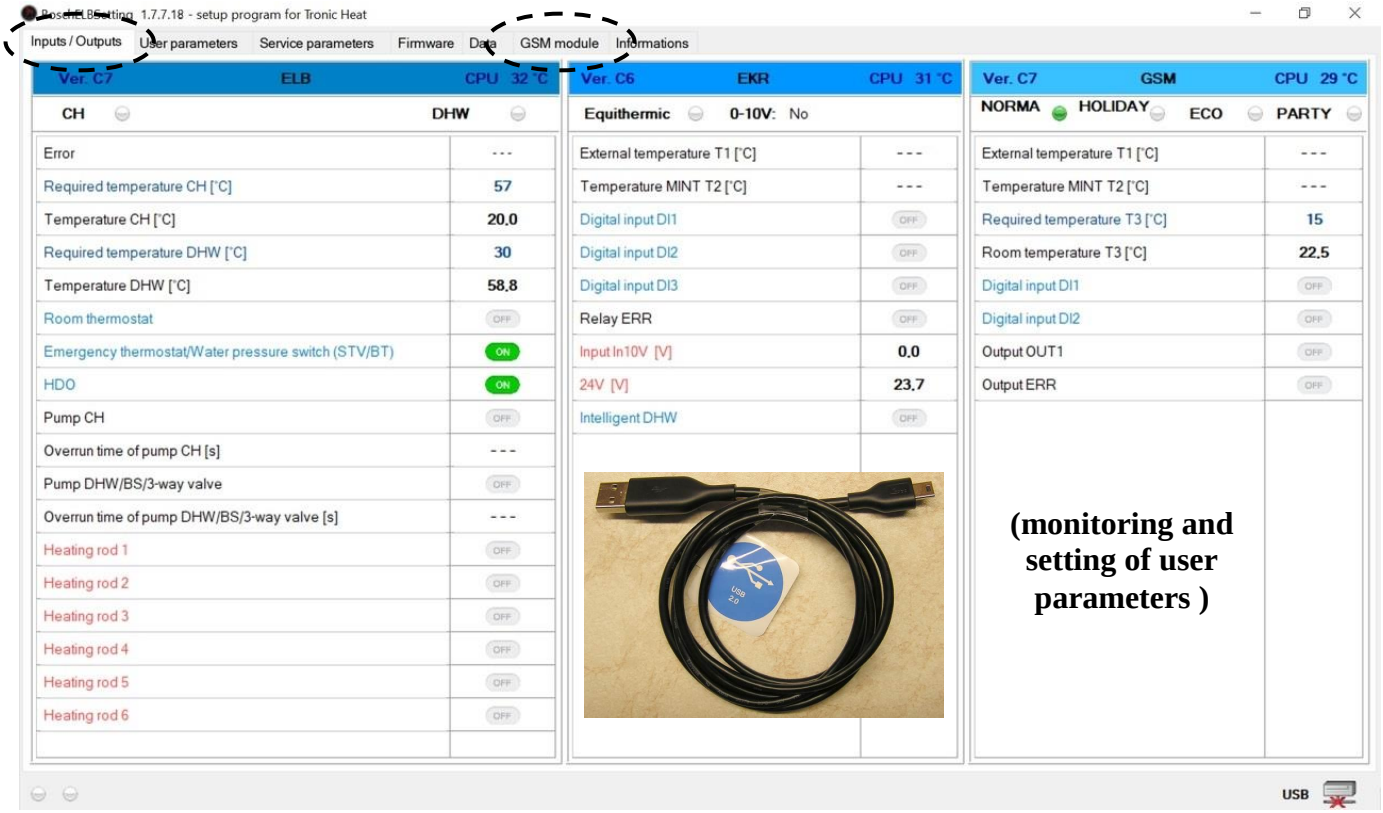
33A.


BoschELBSetting 1.7.7.18 - setup program for Tronic Heat
For communication via the
USB connection --> To
continue, you must
disconnect a reconnet USB
cabel
English

33B.

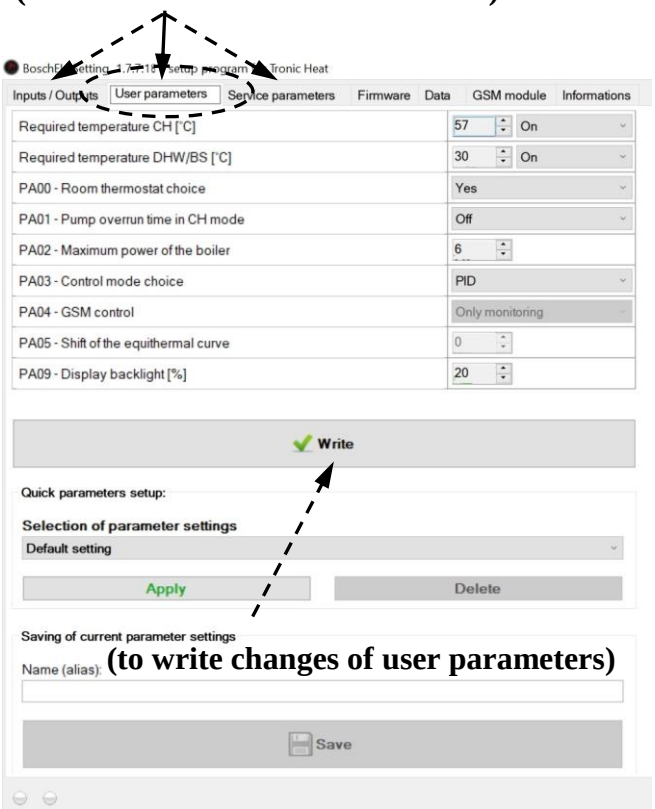

1
EKR module
2
EKR module

34. User parameters = with USB cable

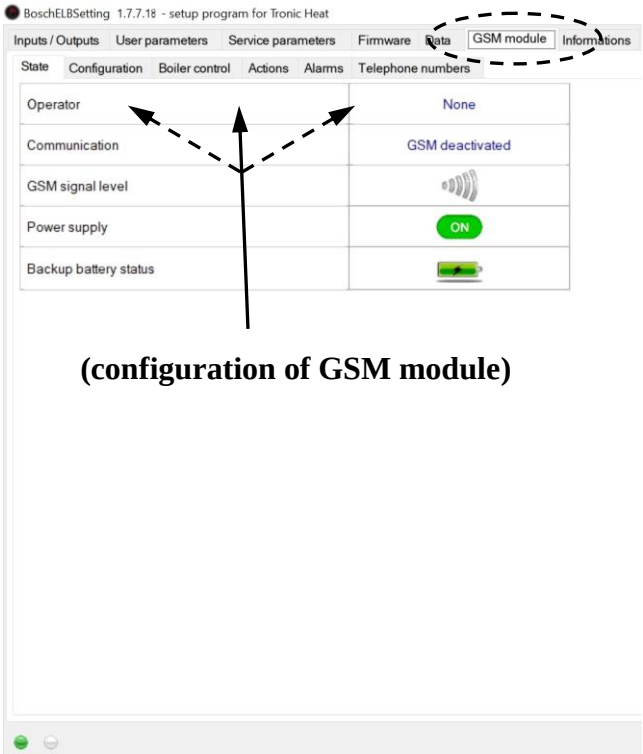


35.

(For current dates - click and click)

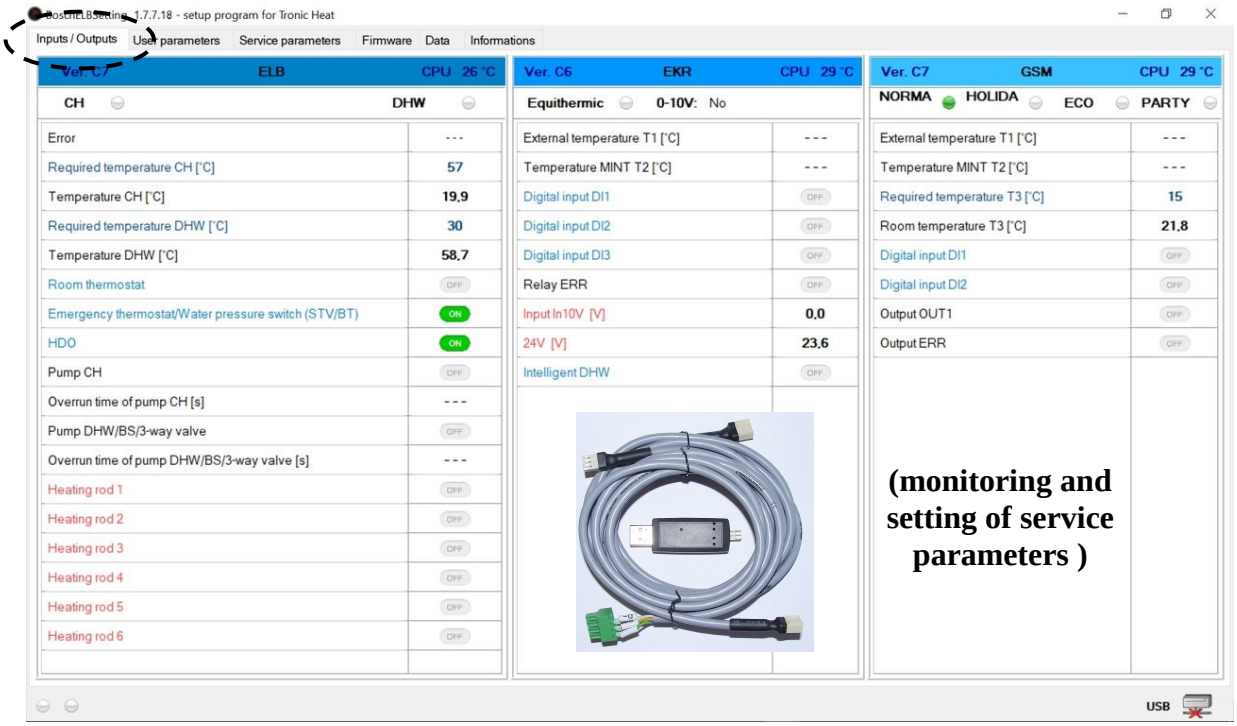


(to write changes of user parameters)

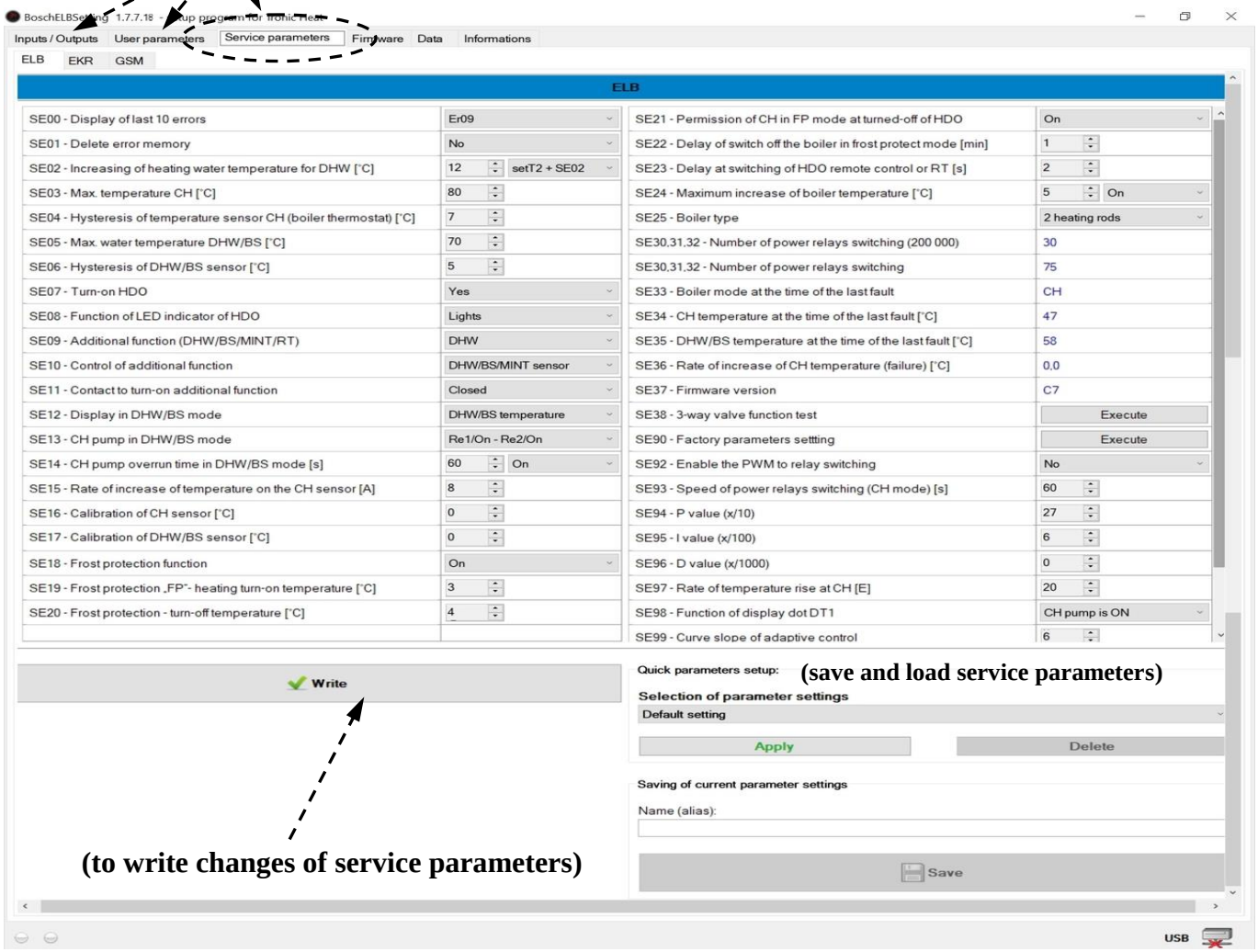


(configuration of GSM module)

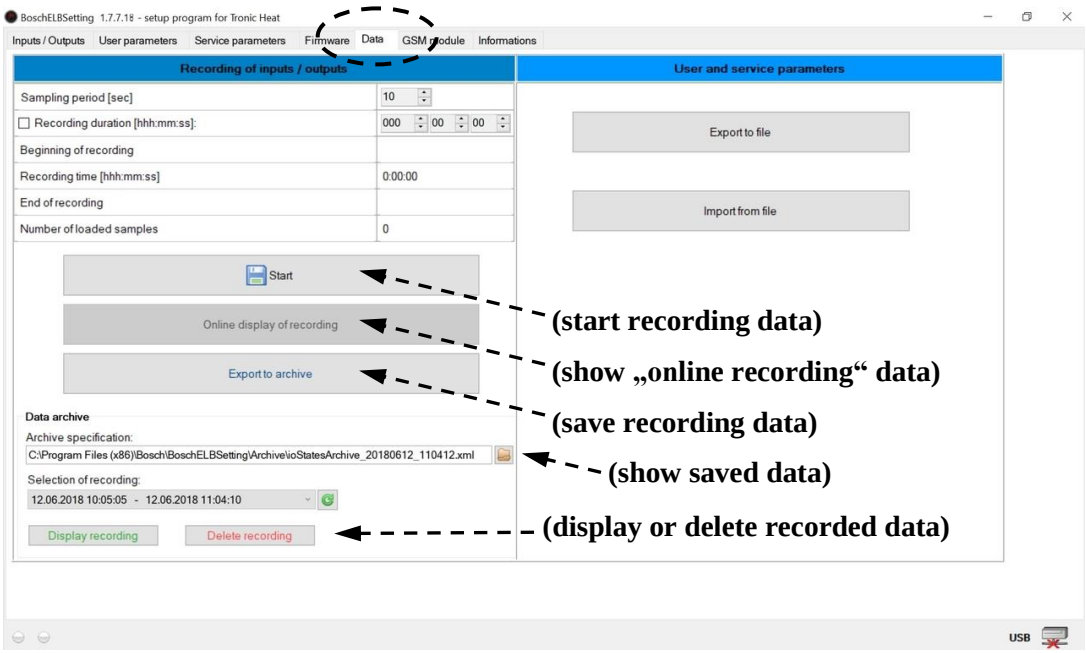
36. Service parameters = with BoschELBConverter



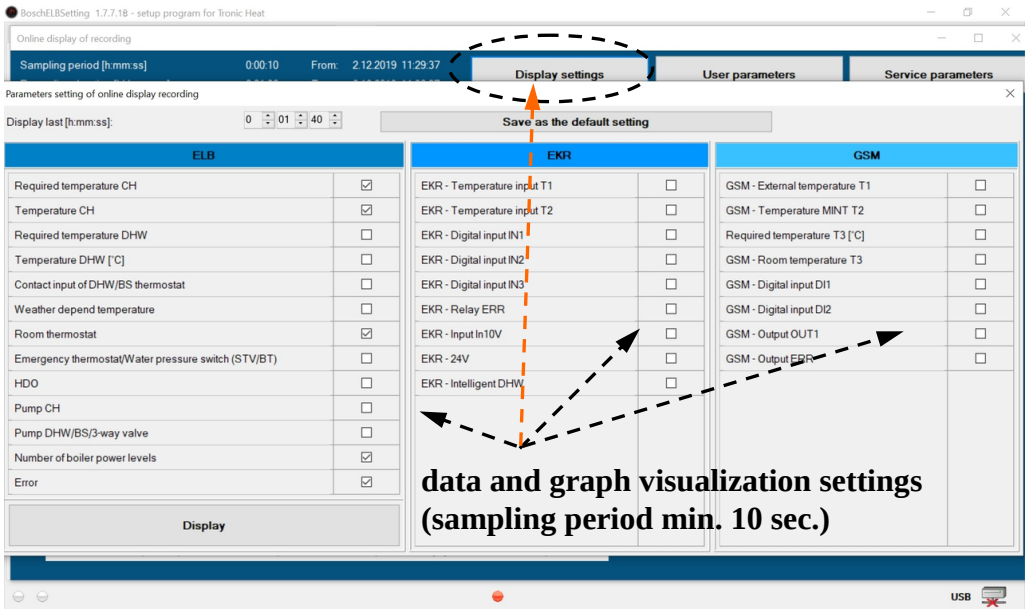
37. (For current - click and click)



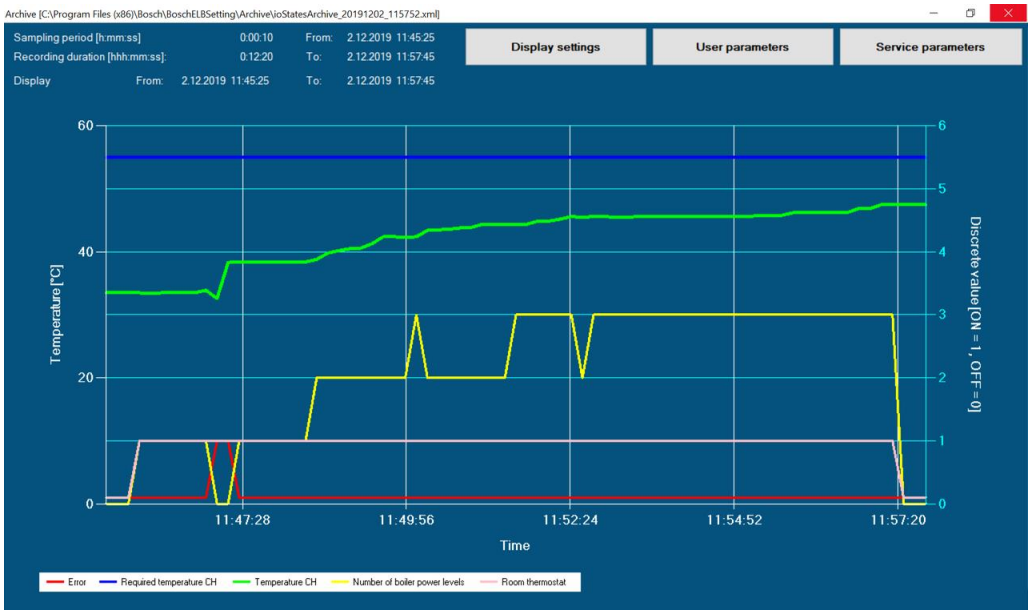
38. Data recording and graphs



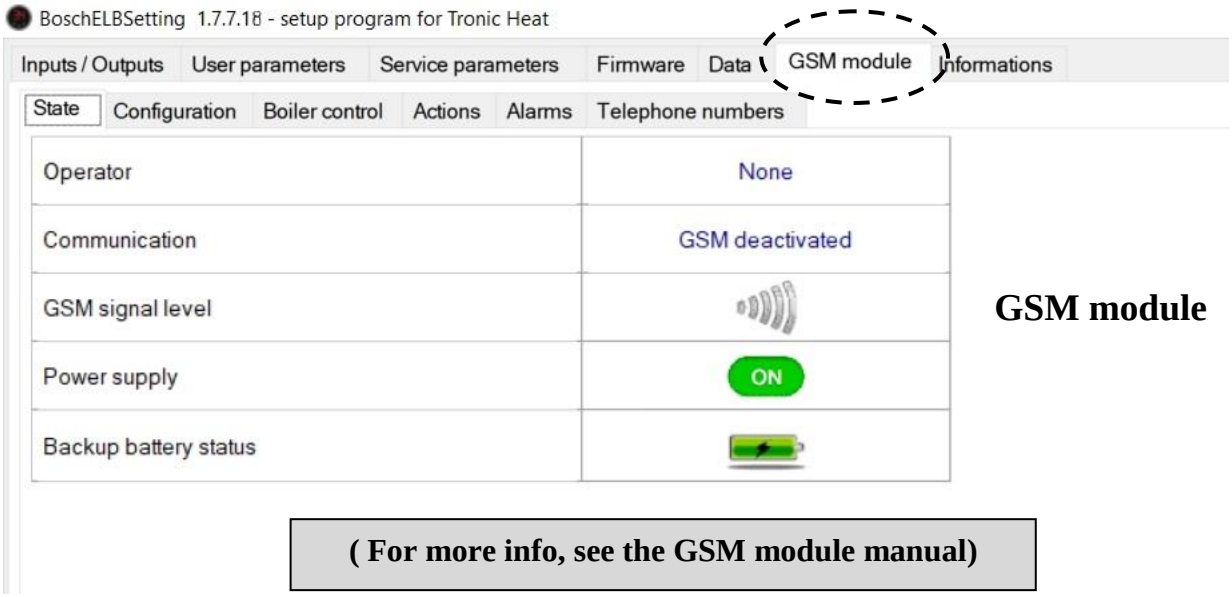
39.



40.



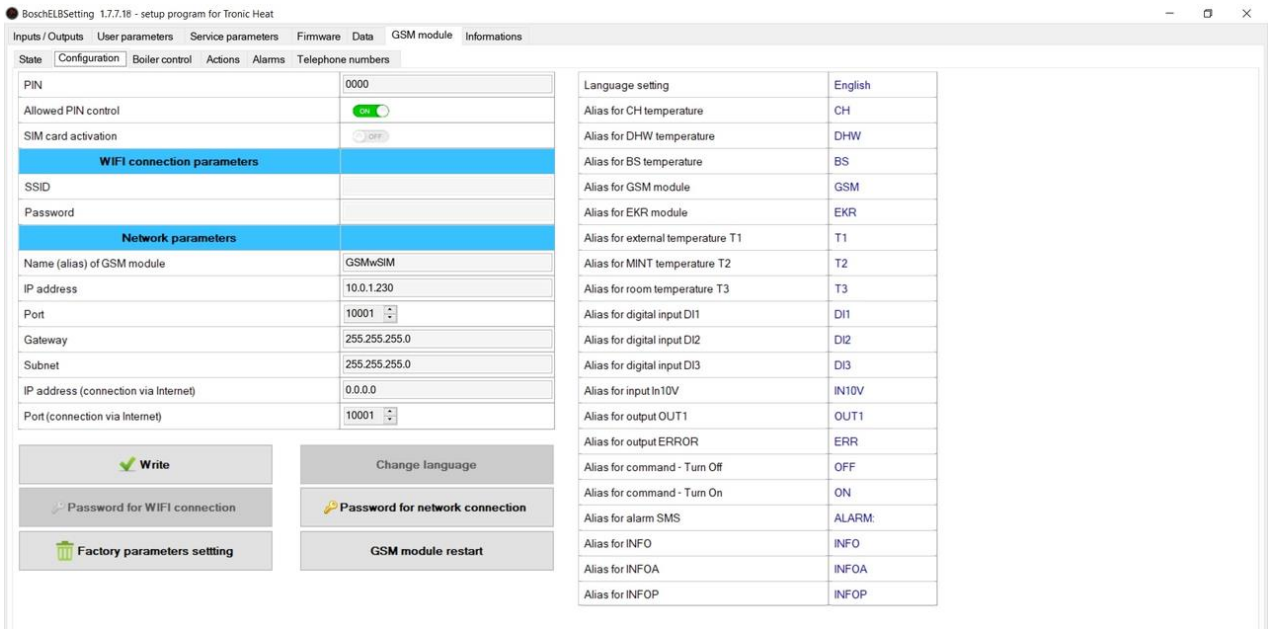
41. GSM module settings windows



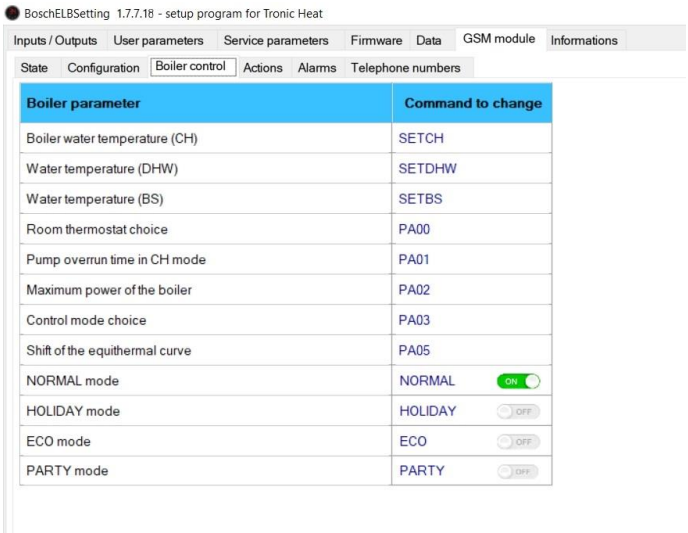
GSM module

(For more info, see the GSM module manual)

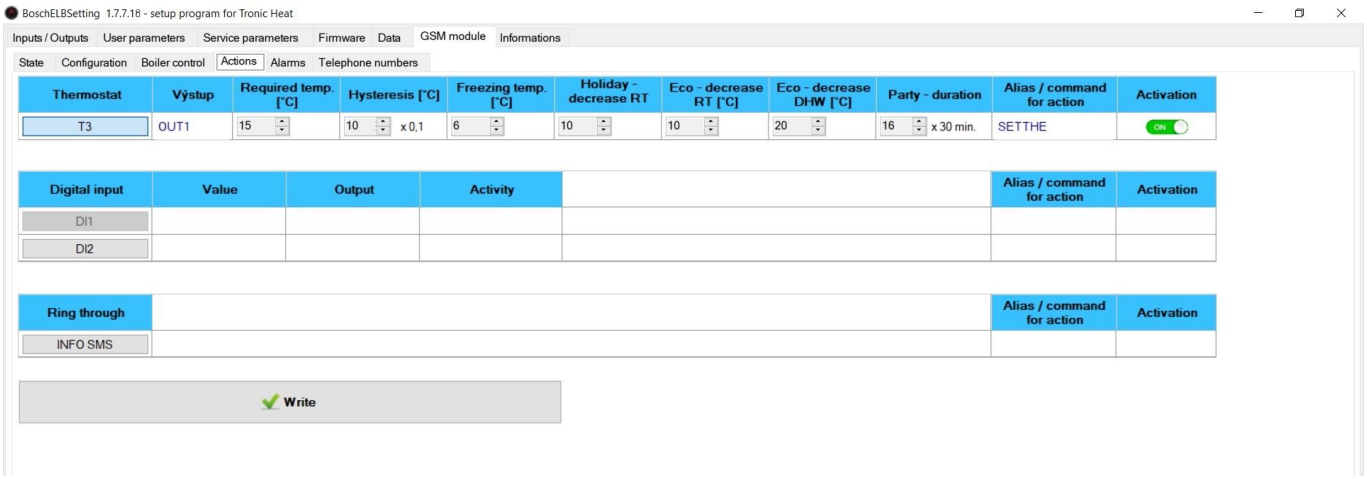
42.



43.



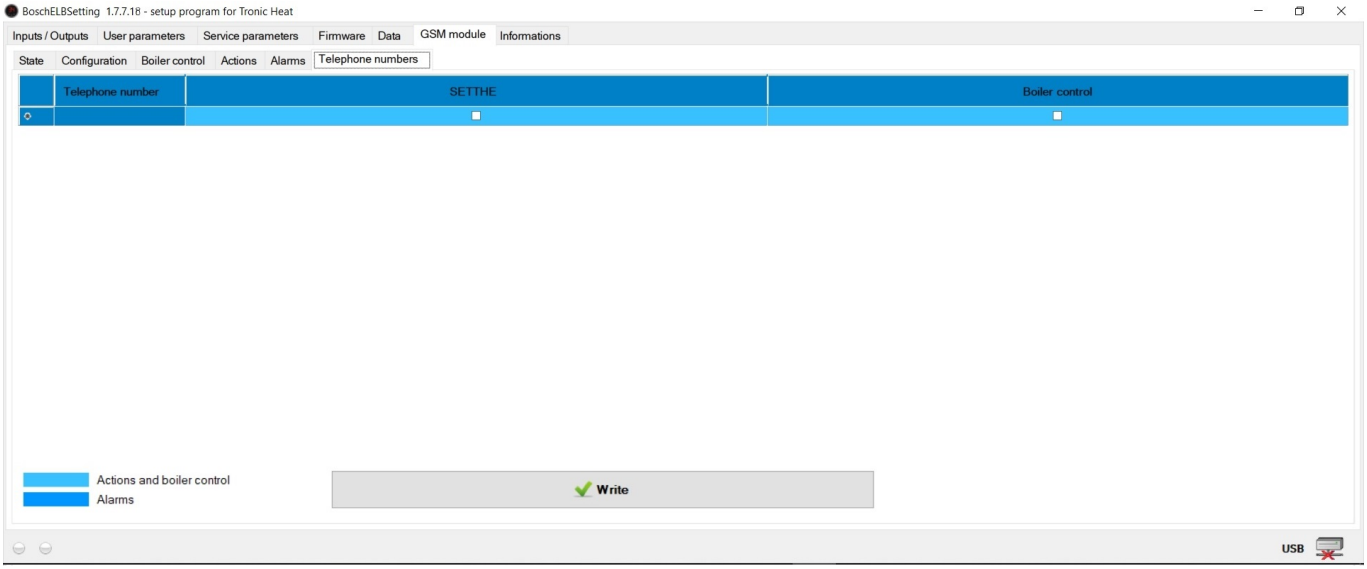
44.


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
ON
Digital input
Value
Output
Activity
Alias / command for action
Activation
DI1
DI2
Ring through
Alias / command for action
Activation
INFO SMS
Write

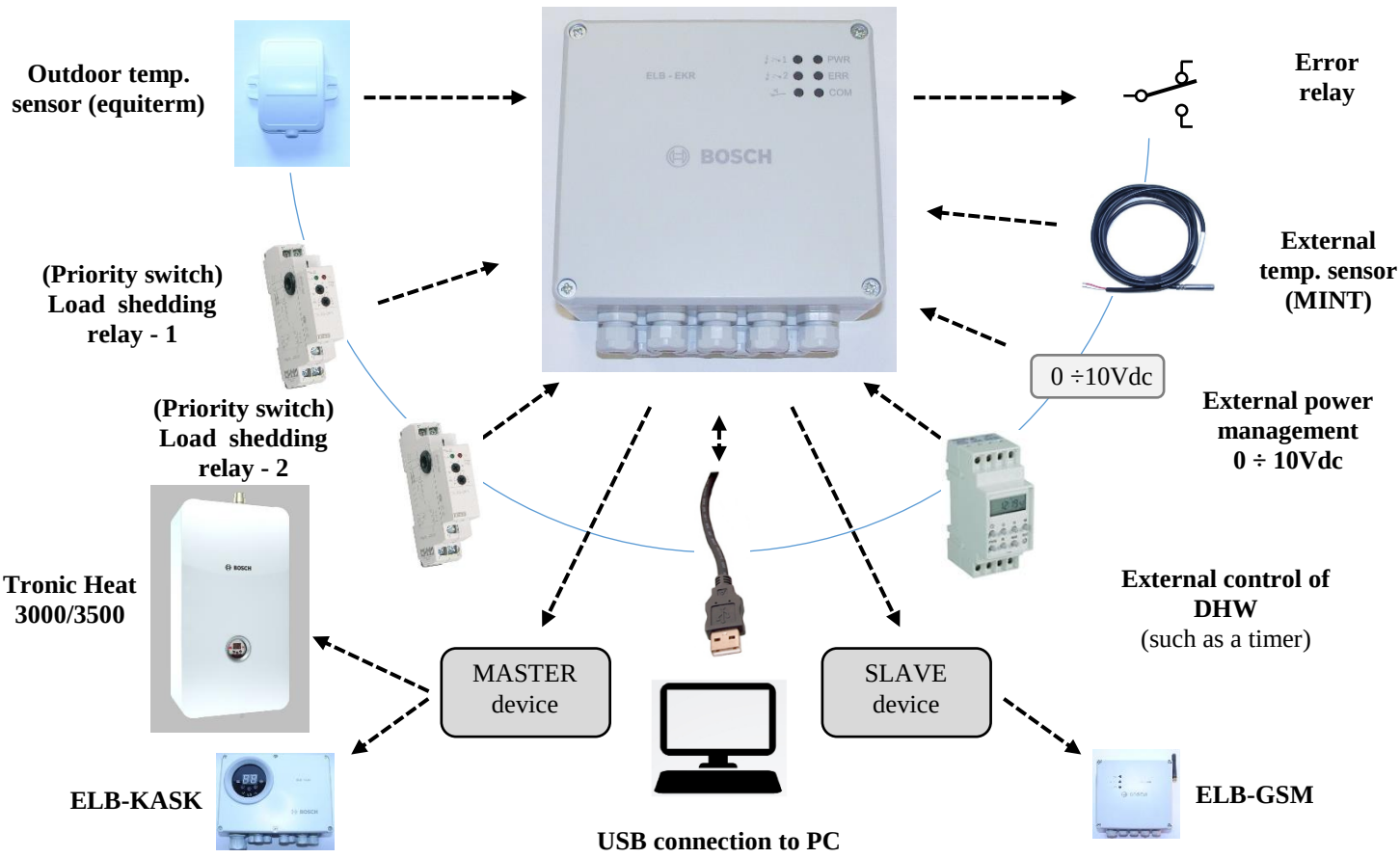
45.

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

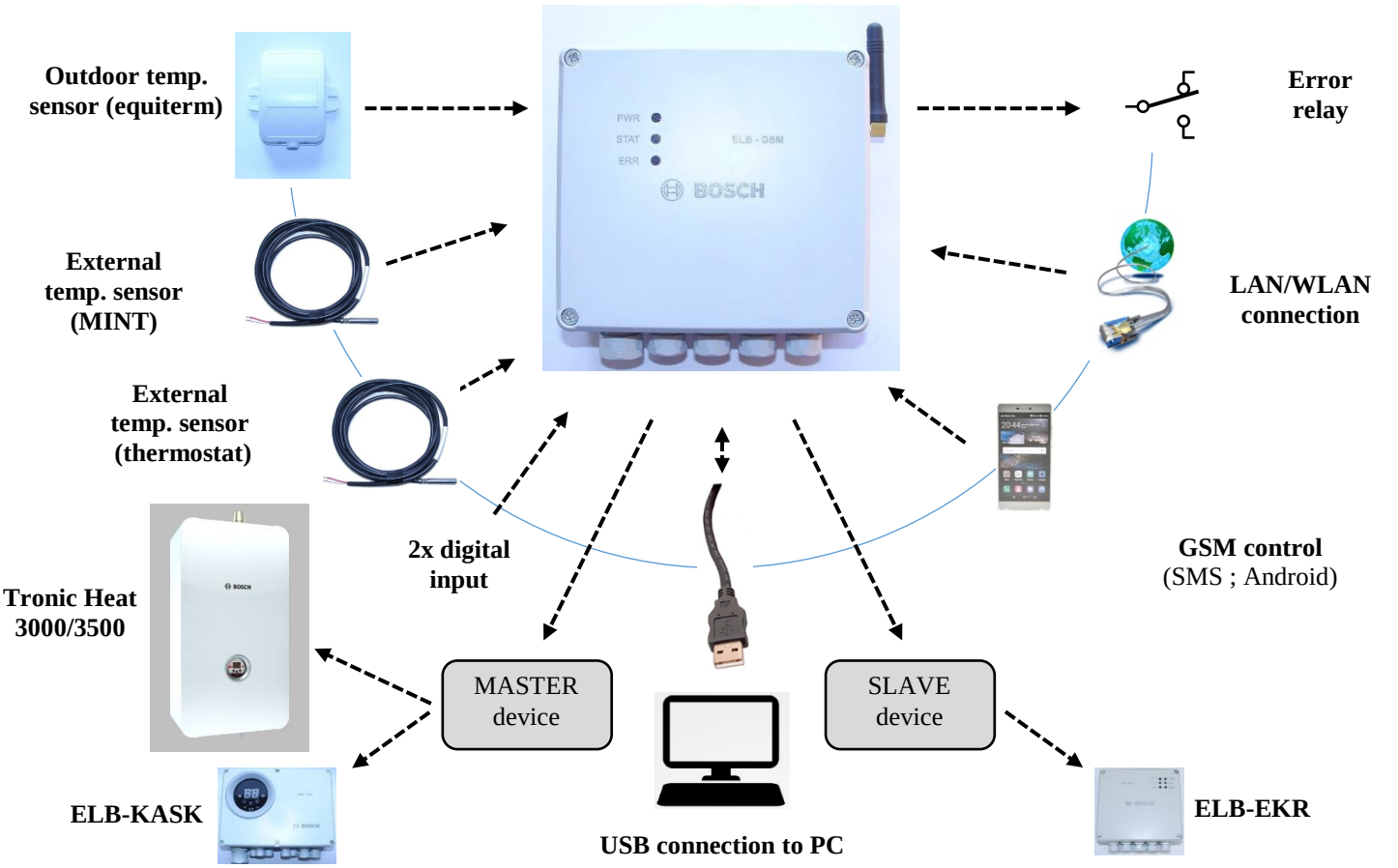
46.


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
Actions and boiler control
Alarms
Write
USB

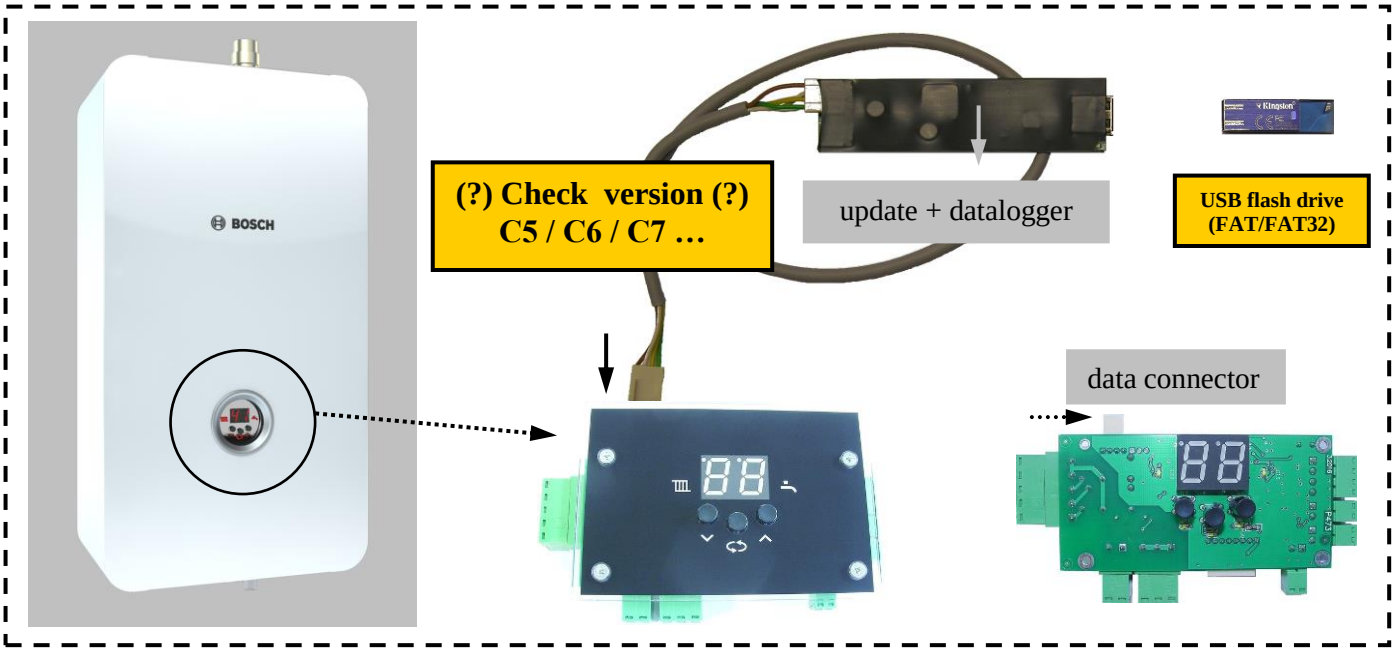
Possibilities of ELB-EKR module



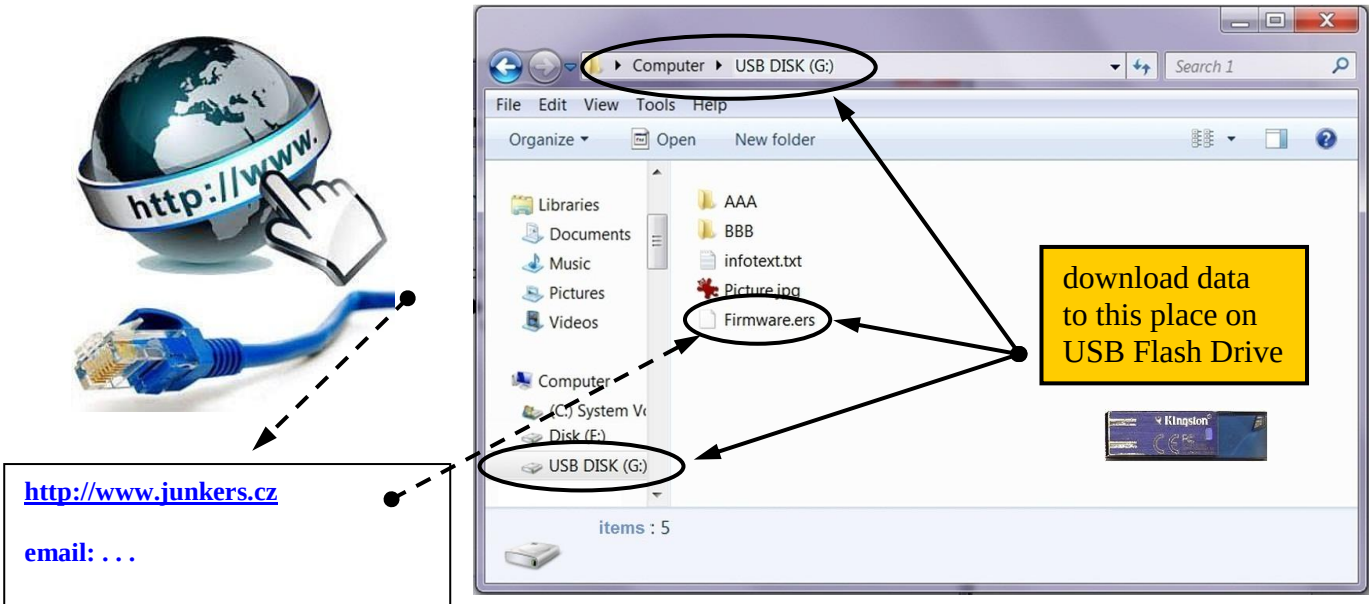
Possibilities of ELB-GSM module



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



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



http://www.junkers.cz

email: . . .

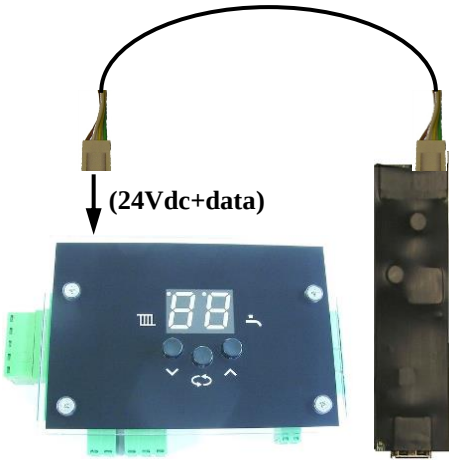
http://www.ers.sk/sk/Podpora.alej

BOSCH BOSCH

ELBSetting v.1.7.x.xx Manual ELBSetting Manual USBDatalogger Firmware

01

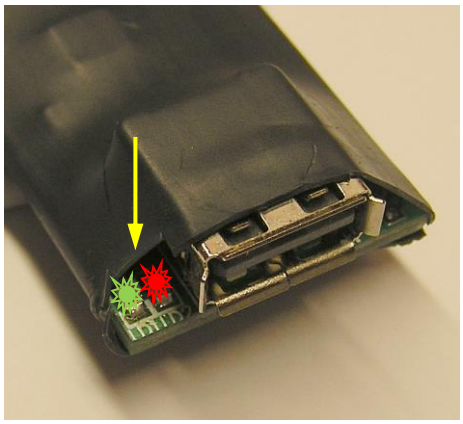
02



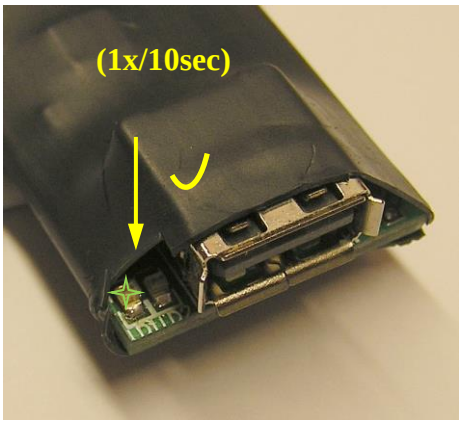
03

04

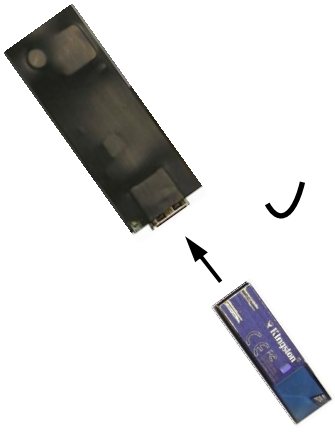
05



06



07

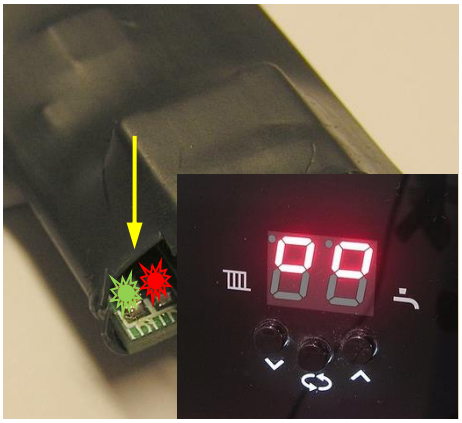


08

≈20 sec !!!

09

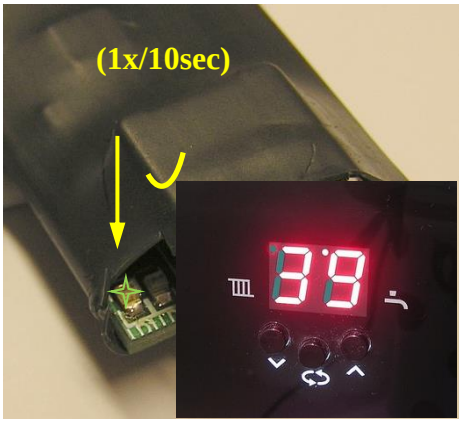
10



11

≈2÷5 min !!!

12

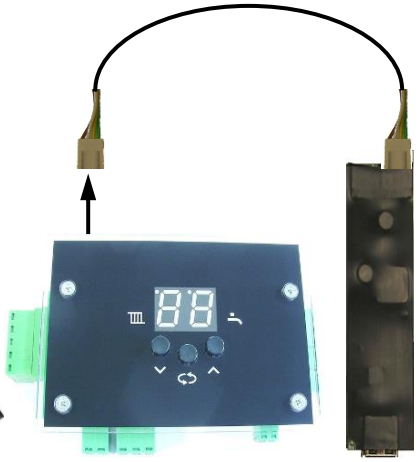


13

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

14

15

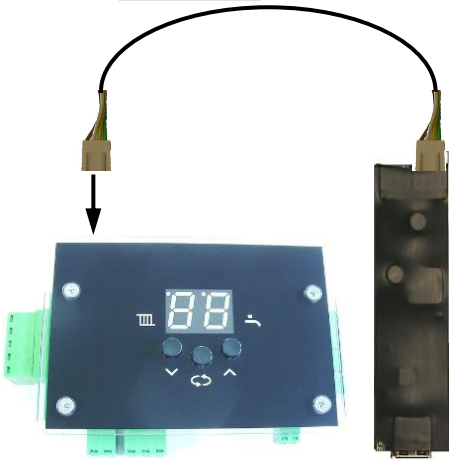


16

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

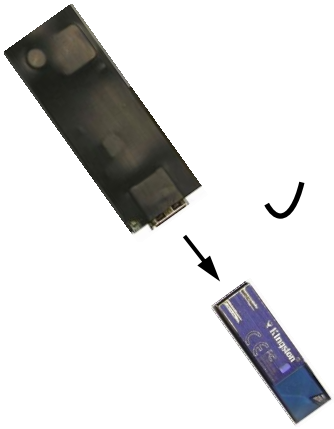
B) – datalogger for Tronic Heat 3000/3500

02 …

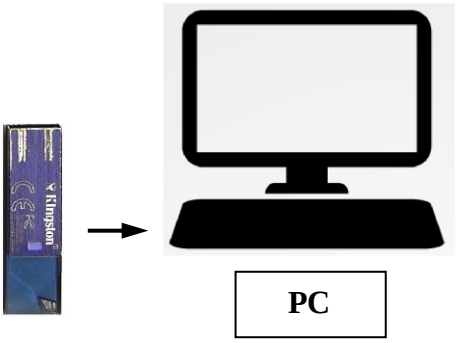


Logger connected permanently = permanent storage of data (max. for the previous 3 days)

… 14

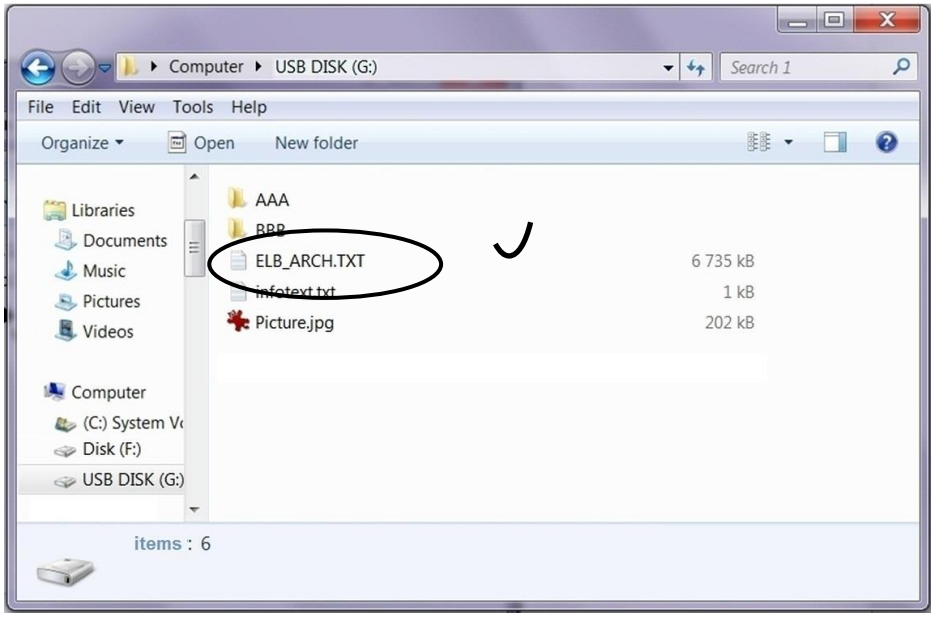


17

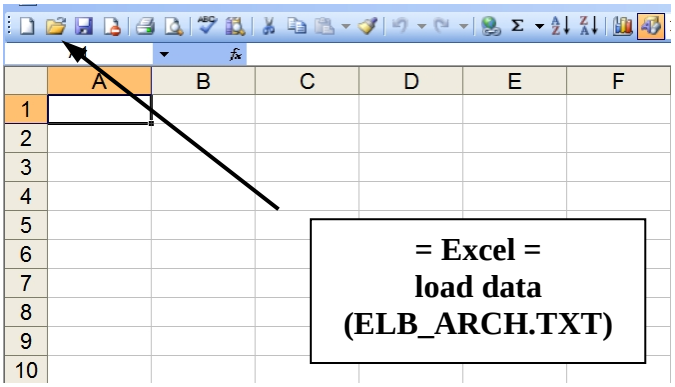


PC

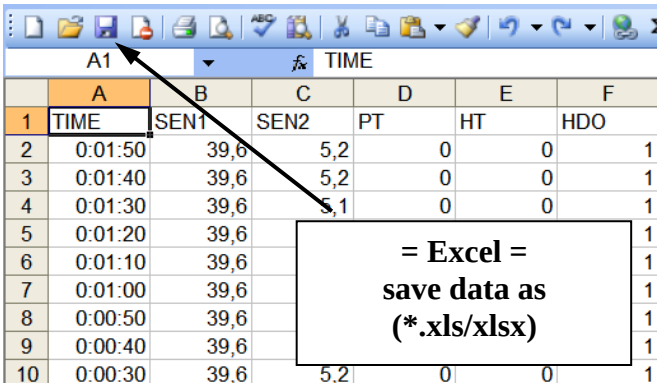
18



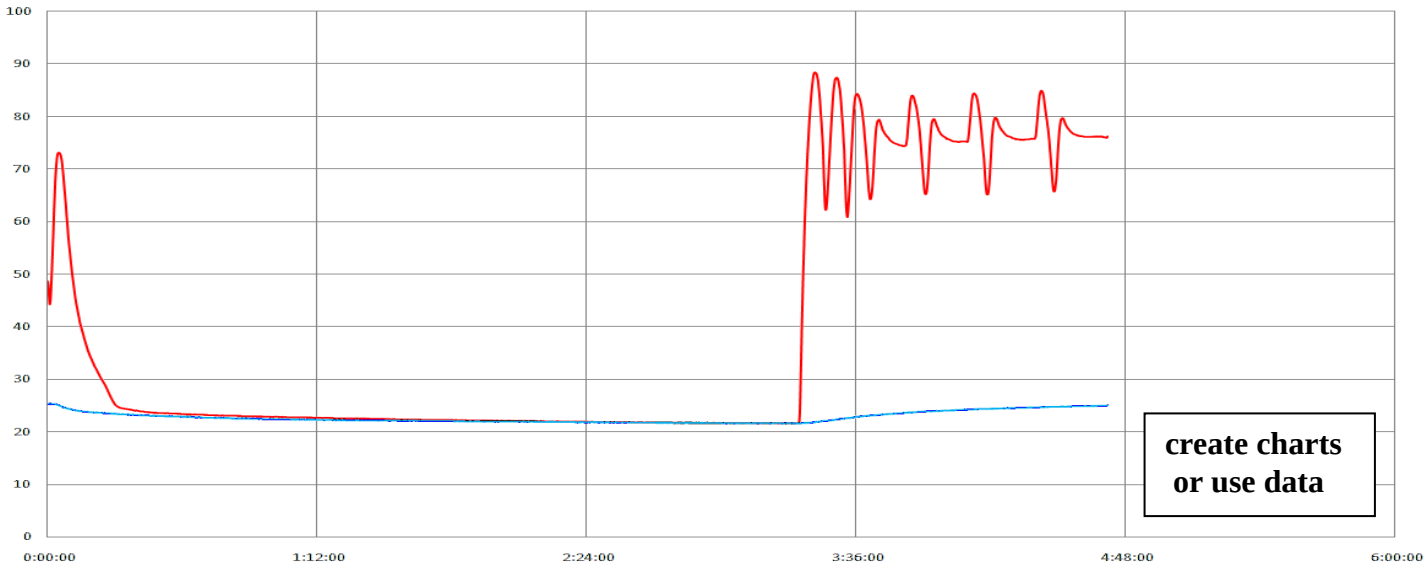
19



20



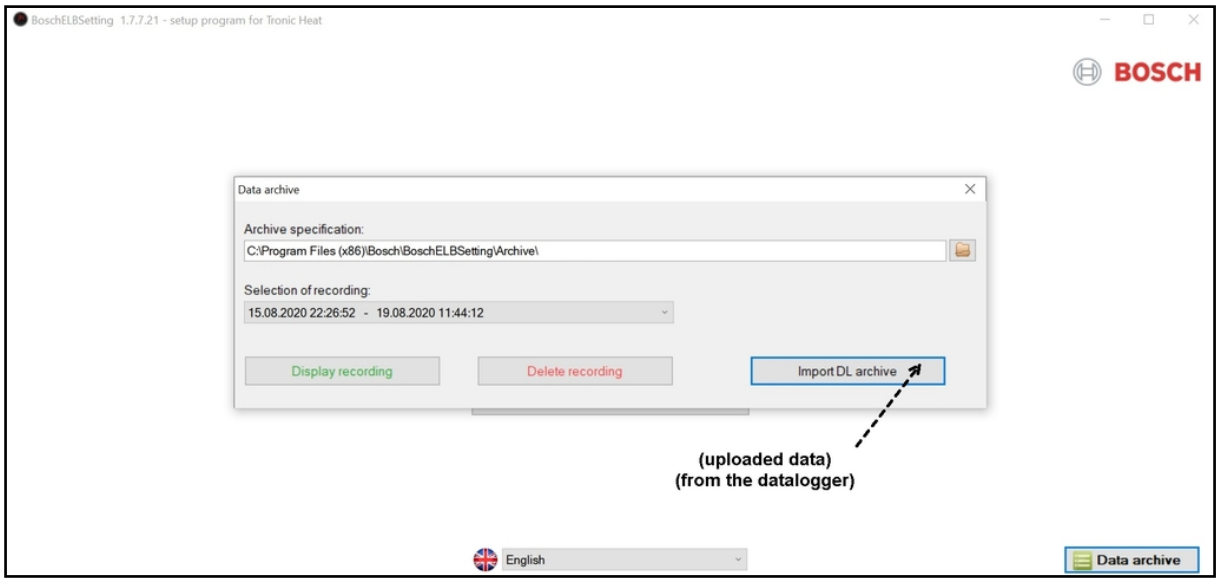
21



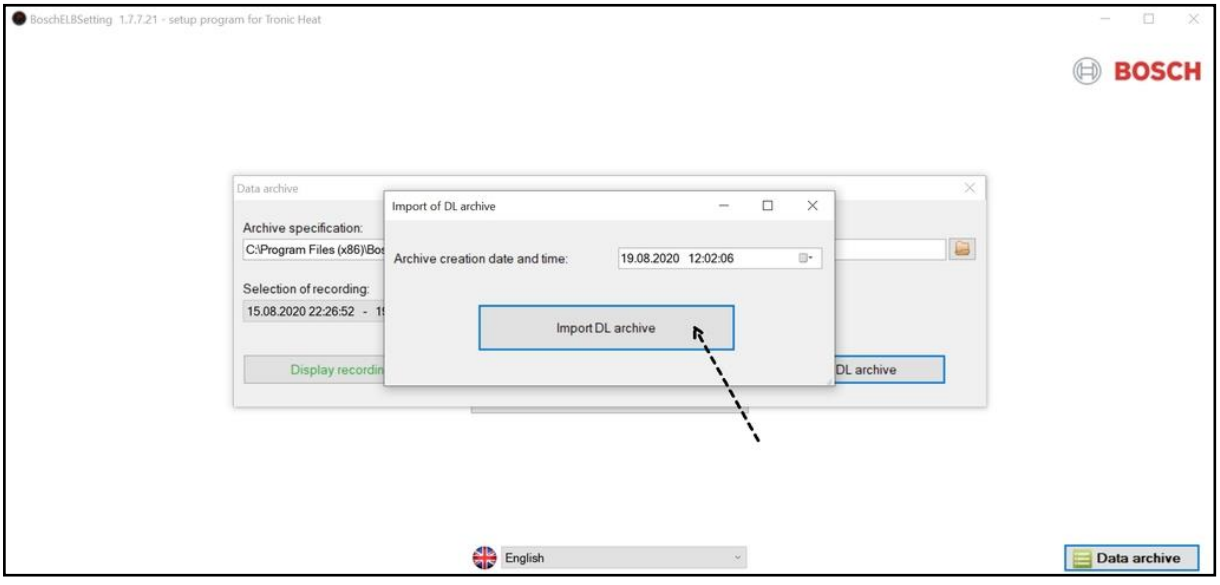
Tronic Heat 3000/3500 - - USB - datalogger - - PC - ELBSetting

47.

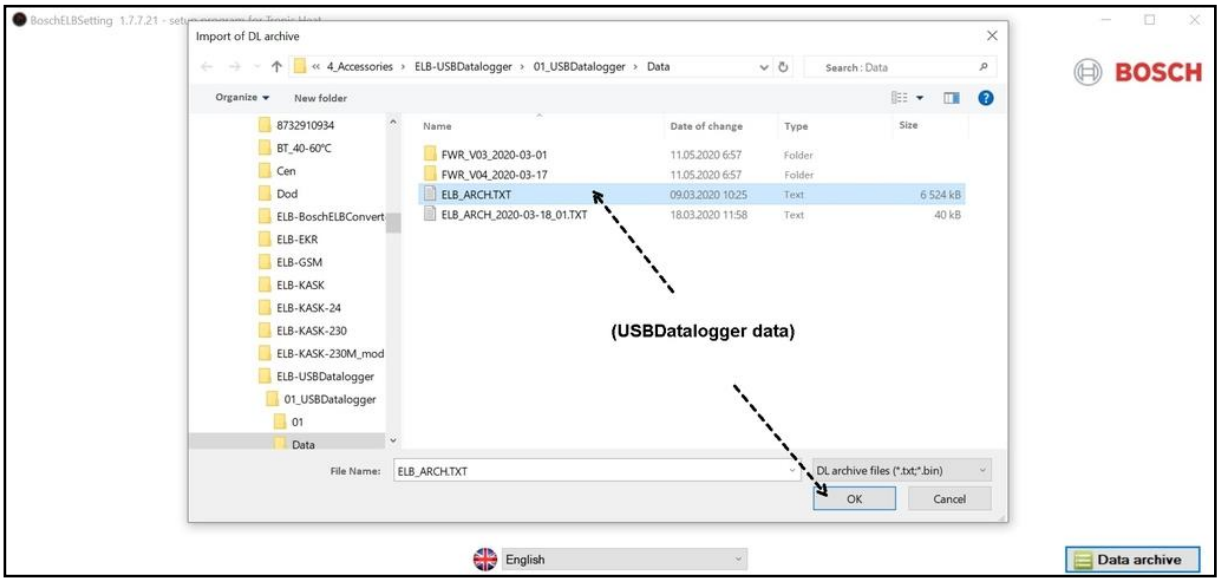
48.



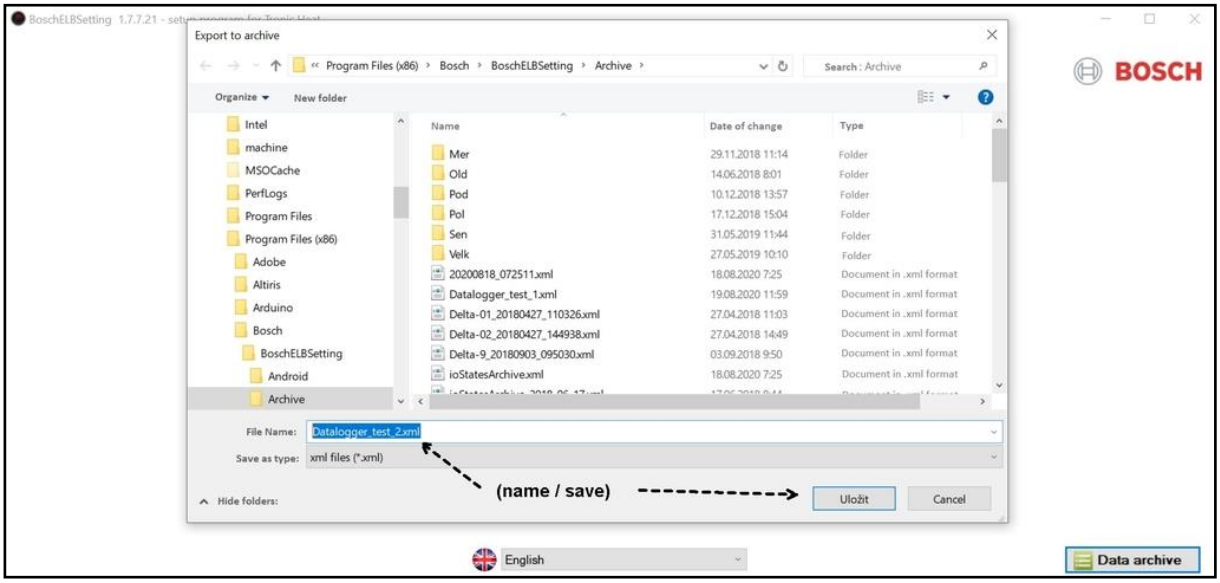
49.



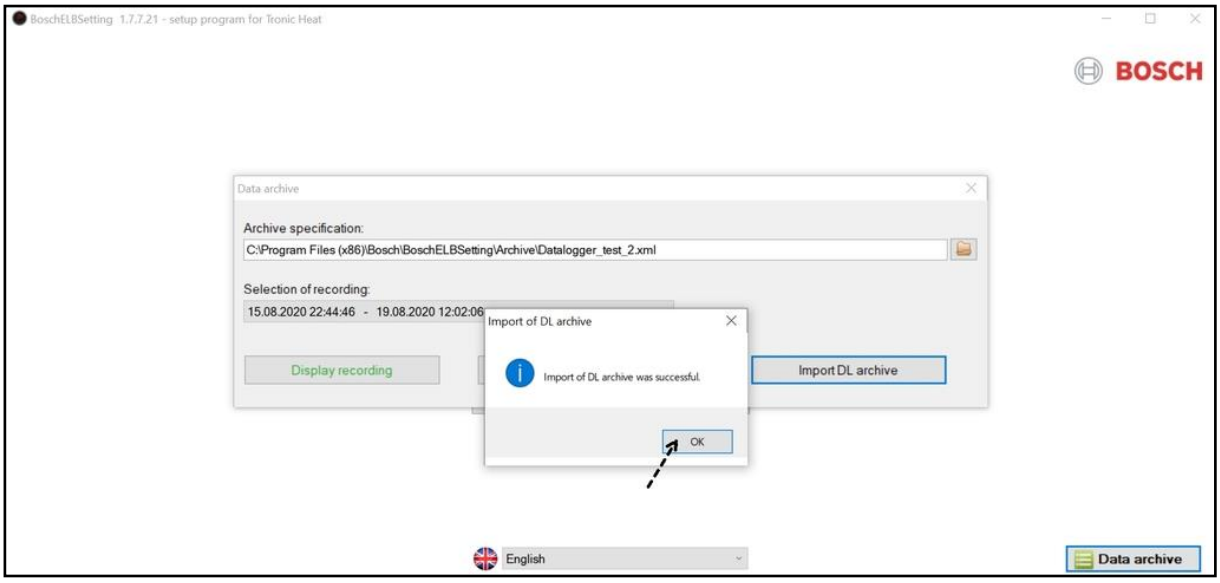
50.


Import of DL archive
(USBDatalogger data)
English
Data archive

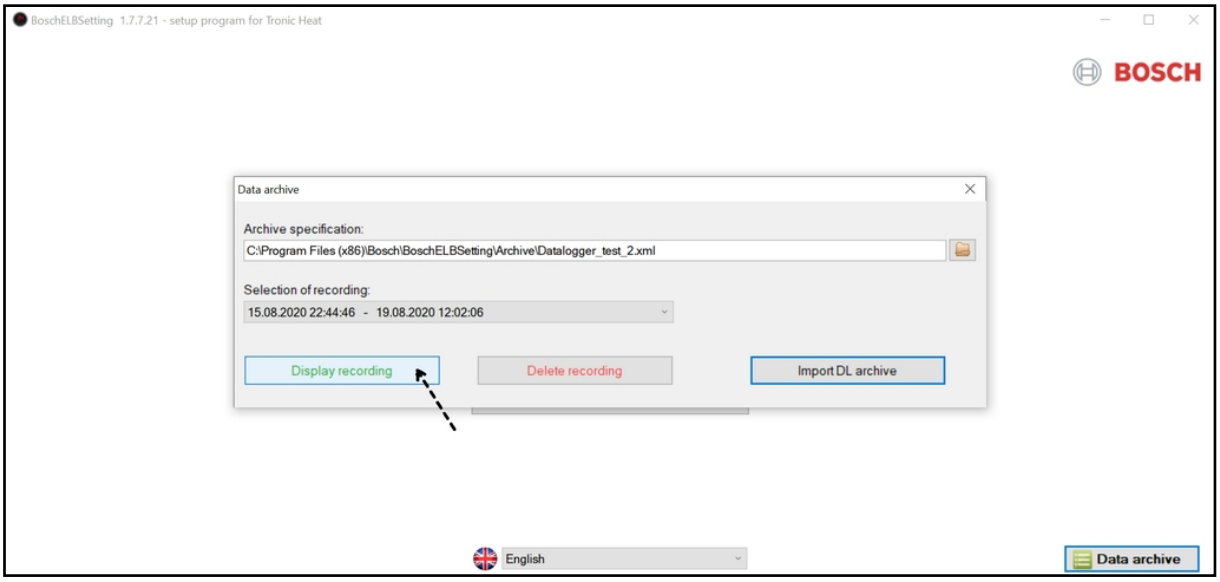
51.


Export to archive
(name / save)
English
Data archive

52.


Data archive
Archive specification:
Selection of recording:
Display recording
Import DL archive
Import of DL archive
Import of DL archive was successful.
OK
English
Data archive

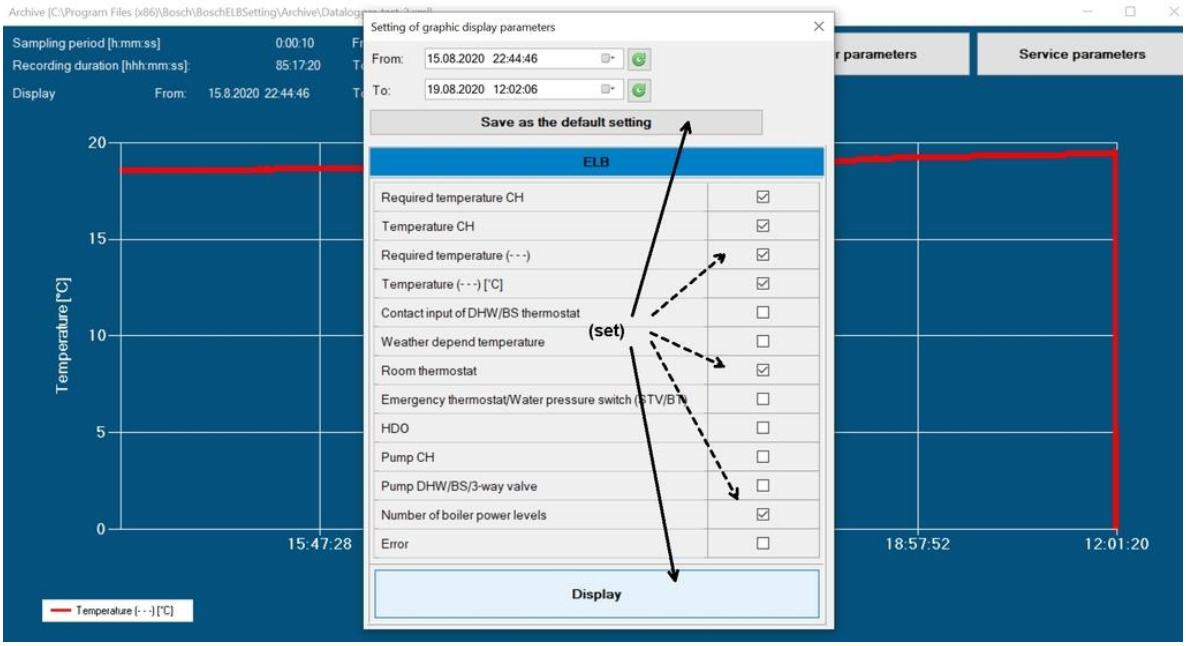
53.


BoschELBSetting 1.7.7.21 - setup program for Tronic Heat
BOSCH
Data archive
Archive specification:
C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml
Selection of recording:
15.08.2020 22:44:46 - 19.08.2020 12:02:06
Display recording
Delete recording
Import DL archive
English
Data archive

54.

Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 15.8.2020 22:44:46 To: 19.8.2020 12:02:06
Display settings
User parameters
Service parameters
Temperature [°C]
20
15
10
5
0
15:47:28
8:50:56
1:54:24
18:57:52
12:01:20
Time
Temperature (- - -) [°C]

55.


Setting of graphic display parameters
From: 15.08.2020 22:44:46
To: 19.08.2020 12:02:06
Save as the default setting
ELB
Required temperature CH
Temperature CH
Required temperature (- - -)
Temperature (- - -) [°C]
Contact input of DHW/BS thermostat
Weather depend temperature
Room thermostat
Emergency thermostat/Water pressure switch (STV/BT)
HDO
Pump CH
Pump DHW/BS/3-way valve
Number of boiler power levels
Error
(set)
Display
Service parameters
Temperature [°C]
15:47:28
18:57:52
12:01:20
Temperature (- - -) [°C]

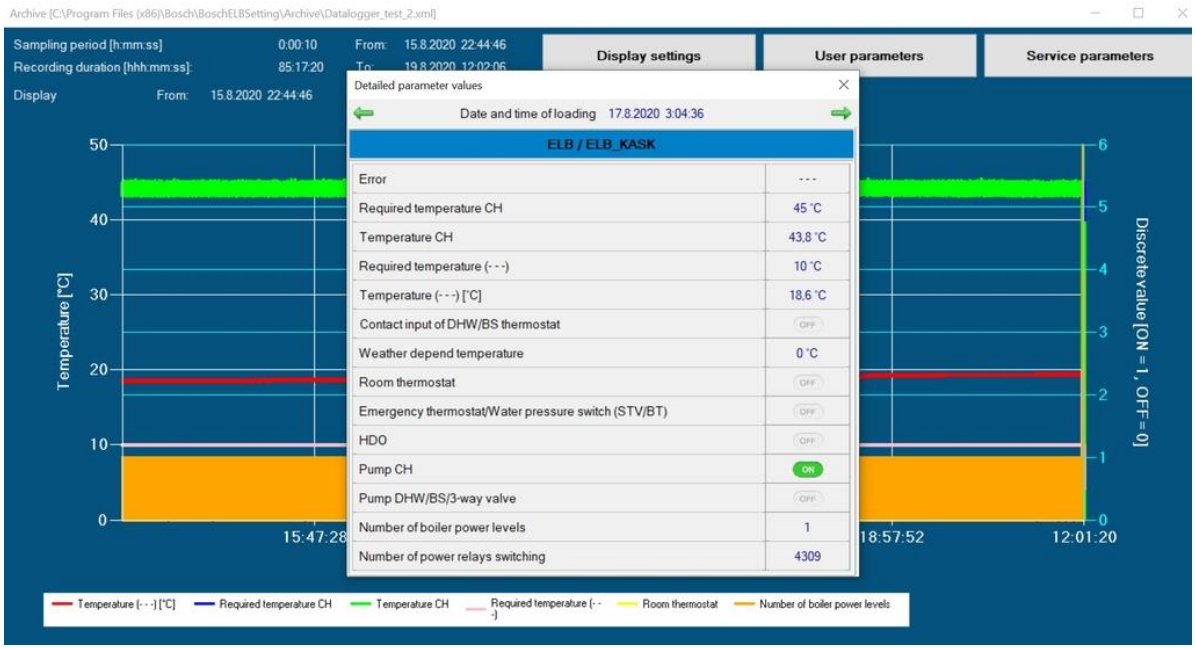
56.

Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 15.8.2020 22:44:46 To: 19.8.2020 12:02:06
Display settings
User parameters
Service parameters
(View the graph)
Temperature [°C]
Discretevalue [ON = 1, OFF = 0]
15:47:28
8:50:56
1:54:24
18:57:52
12:01:20
Time
Temperature (- - -) [°C]
Required temperature CH
Temperature CH
Required temperature (- - -)
Room thermostat
Number of boiler power levels

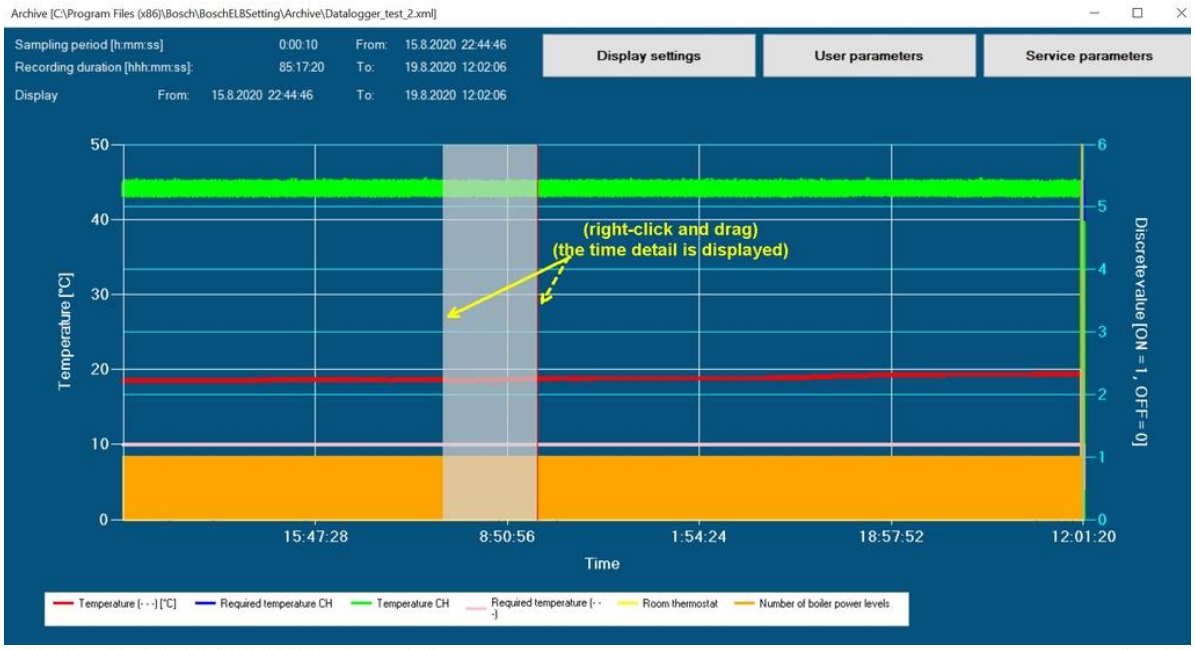
57.

Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 15.8.2020 22:44:46 To: 19.8.2020 12:02:06
Display settings
User parameters
Service parameters
(click right mouse)
(show Inputs/Outputs in this time)
Temperature [°C]
Discretevalue [ON = 1, OFF = 0]
15:47:28
8:50:56
1:54:24
18:57:52
12:01:20
Time
Temperature (- - -) [°C]
Required temperature CH
Temperature CH
Required temperature (- - -)
Room thermostat
Number of boiler power levels

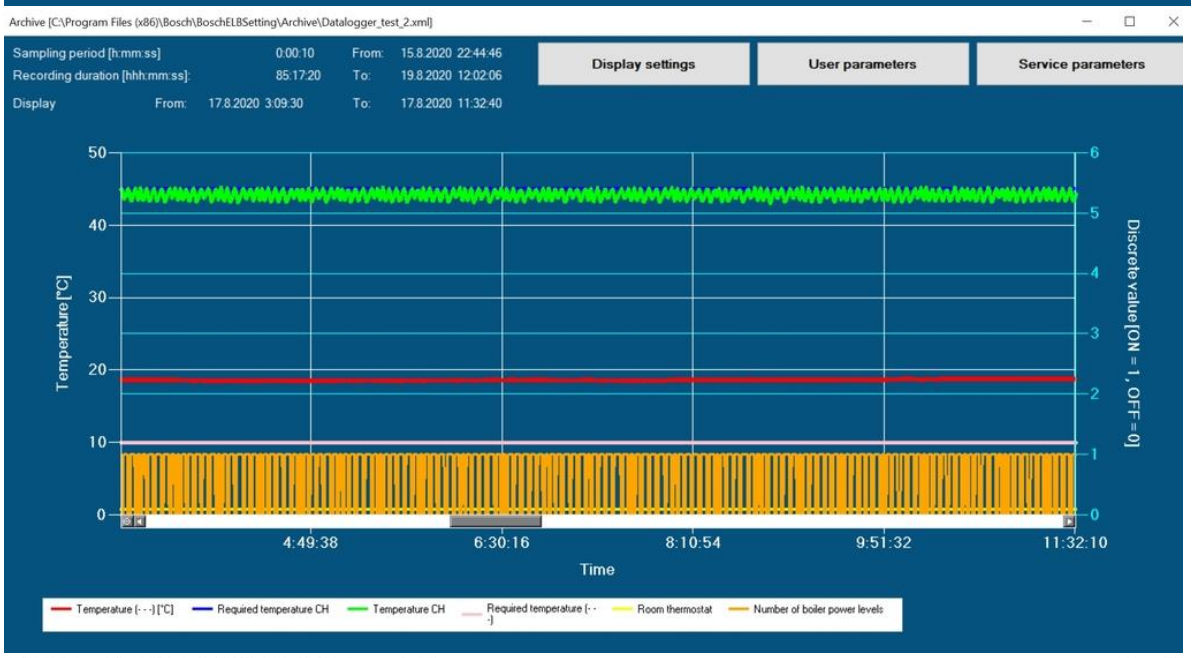
58.


Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20
Display From: 15.8.2020 22:44:46
Display settings
User parameters
Service parameters
Detailed parameter values
Date and time of loading 17.8.2020 3:04:36
ELB / ELB_KASK
Error ---
Required temperature CH 45 °C
Temperature CH 43,8 °C
Required temperature (- - -) 10 °C
Temperature (- - -) [°C] 18,6 °C
Contact input of DHW/BS thermostat OFF
Weather depend temperature 0 °C
Room thermostat OFF
Emergency thermostat/Water pressure switch (STV/BT) OFF
HDO OFF
Pump CH ON
Pump DHW/BS/3-way valve OFF
Number of boiler power levels 1
Number of power relays switching 4309
Temperature [°C]
Discretevalue [ON = 1, OFF = 0]
18:57:52
12:01:20
Temperature (- - -) [°C]
Required temperature CH
Temperature CH
Required temperature (- - -)
Room thermostat
Number of boiler power levels

59.


Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 15.8.2020 22:44:46 To: 19.8.2020 12:02:06
Display settings
User parameters
Service parameters
(right-click and drag)
(the time detail is displayed)
Temperature [°C]
Discrete value [ON = 1, OFF = 0]
15:47:28
8:50:56
1:54:24
18:57:52
12:01:20
Time
Temperature [- - -] [°C]
Required temperature CH
Temperature CH
Required temperature [- - -]
Room thermostat
Number of boiler power levels

60.


Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 17.8.2020 3:09:30 To: 17.8.2020 11:32:40
Display settings
User parameters
Service parameters
Temperature [°C]
Discrete value [ON = 1, OFF = 0]
4:49:38
6:30:16
8:10:54
9:51:32
11:32:10
Time
Temperature [- - -] [°C]
Required temperature CH
Temperature CH
Required temperature [- - -]
Room thermostat
Number of boiler power levels

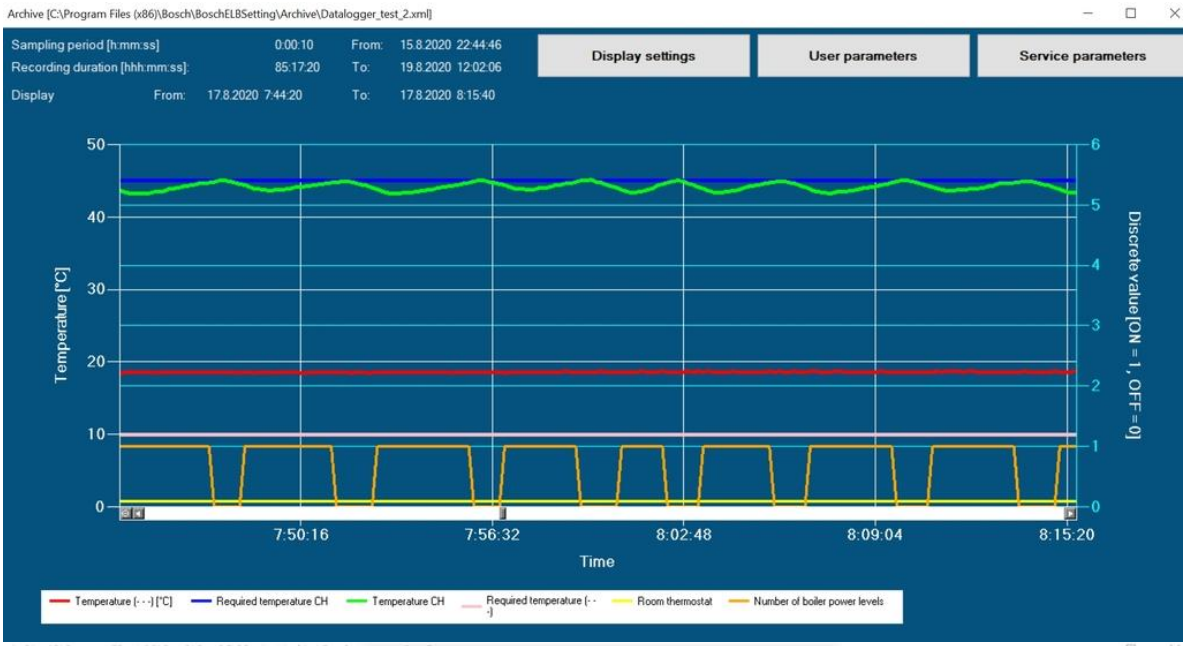
61.

Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 17.8.2020 3:09:30 To: 17.8.2020 11:32:40
Display settings
User parameters
Service parameters
Temperature [°C]
Discrete value [ON = 1, OFF = 0]
4:49:38
6:30:16
8:10:54
9:51:32
11:32:10
(show all graph)
Time
Temperature [- - -] [°C]
Required temperature CH
Temperature CH
Required temperature [- - -]
Room thermostat
Number of boiler power levels

62.

Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 17.8.2020 5:43:50 To: 17.8.2020 11:37:40
Display settings
User parameters
Service parameters
(or you can view more details again)
Temperature [°C]
Discrete value [ON = 1, OFF = 0]
6:53:46
8:04:32
9:15:18
10:26:04
11:36:50
Time
Temperature (- - -) [°C]
Required temperature CH
Temperature CH
Required temperature (- - -)
Room thermostat
Number of boiler power levels

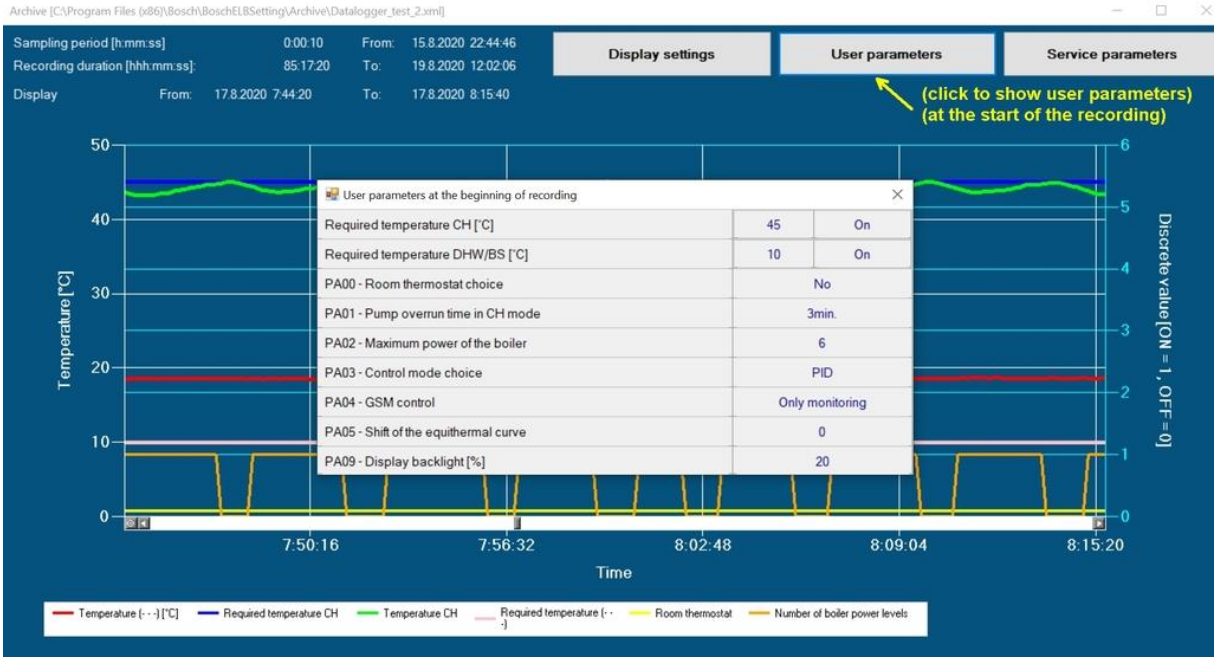
63.


Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 17.8.2020 7:44:20 To: 17.8.2020 8:15:40
Display settings
User parameters
Service parameters
Temperature [°C]
Discrete value [ON = 1, OFF = 0]
7:50:16
7:56:32
8:02:48
8:09:04
8:15:20
Time
Temperature (- - -) [°C]
Required temperature CH
Temperature CH
Required temperature (- - -)
Room thermostat
Number of boiler power levels

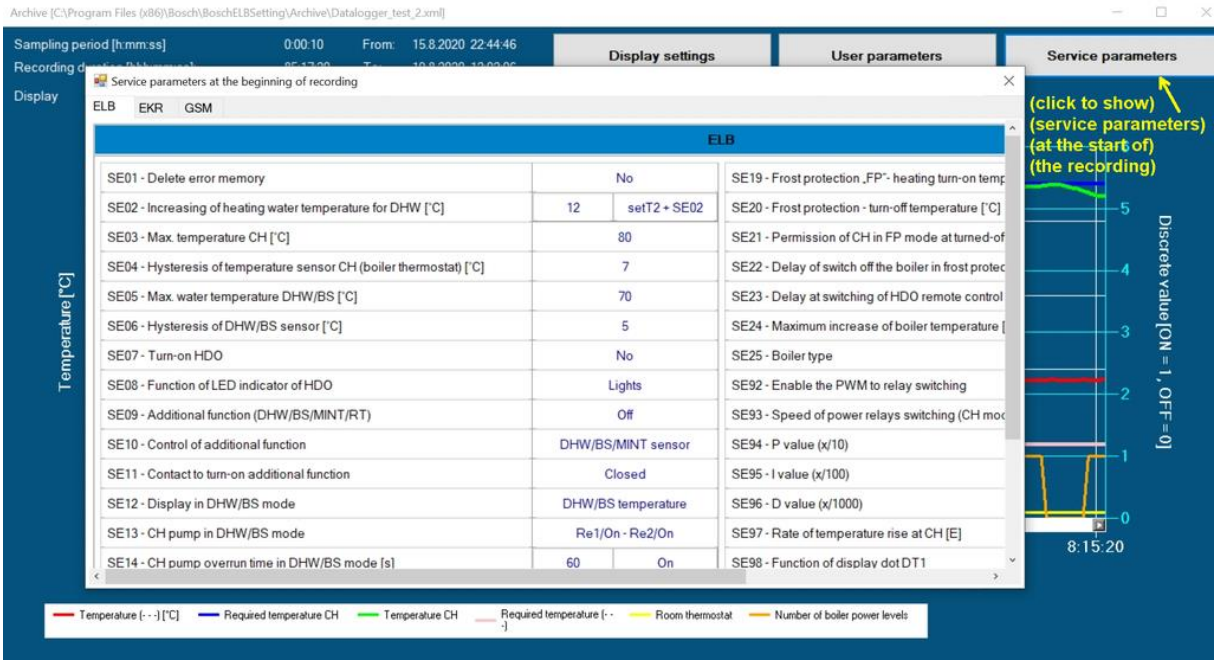
64.

Setting of graphic display parameters
From: 15.08.2020 22:44:46
To: 19.08.2020 12:02:06
You can select a specific time period
Save as the default setting
ELB
Required temperature CH
Temperature CH
Required temperature (- - -)
Temperature (- - -) [°C]
Contact input of DHW/BS thermostat
Weather depend temperature
Room thermostat
Emergency thermostat/Water pressure switch (STV/BT)
HDO
Pump CH
Pump DHW/BS/3-way valve
Number of boiler power levels
Error
Display
Service parameters
Temperature [°C]
Discrete value [ON = 1, OFF = 0]
11:27:30
11:53:00
12:01:30

65.


Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Recording duration [hhh:mm:ss]: 85:17:20 To: 19.8.2020 12:02:06
Display From: 17.8.2020 7:44:20 To: 17.8.2020 8:15:40
Display settings
User parameters
Service parameters
(click to show user parameters)
(at the start of the recording)
User parameters at the beginning of recording
Required temperature CH [°C] 45 On
Required temperature DHW/BS [°C] 10 On
PA00 - Room thermostat choice No
PA01 - Pump overrun time in CH mode 3min.
PA02 - Maximum power of the boiler 6
PA03 - Control mode choice PID
PA04 - GSM control Only monitoring
PA05 - Shift of the equithermal curve 0
PA09 - Display backlight [%] 20
Temperature [°C]
Discrete value [ON = 1, OFF = 0]
7:50:16
7:56:32
8:02:48
8:09:04
8:15:20
Time
Temperature (- - -) [°C]
Required temperature CH
Temperature CH
Required temperature (- - -)
Room thermostat
Number of boiler power levels

66.


Archive [C:\Program Files (x86)\Bosch\BoschELBSetting\Archive\Datalogger_test_2.xml]
Sampling period [h:mm:ss] 0:00:10 From: 15.8.2020 22:44:46
Display settings
User parameters
Service parameters
Display
Service parameters at the beginning of recording
ELB
EKR
GSM
ELB
SE01 - Delete error memory No
SE02 - Increasing of heating water temperature for DHW [°C] 12 setT2 + SE02
SE03 - Max. temperature CH [°C] 80
SE04 - Hysteresis of temperature sensor CH (boiler thermostat) [°C] 7
SE05 - Max. water temperature DHW/BS [°C] 70
SE06 - Hysteresis of DHW/BS sensor [°C] 5
SE07 - Turn-on HDO No
SE08 - Function of LED indicator of HDO Lights
SE09 - Additional function (DHW/BS/MINT/RT) Off
SE10 - Control of additional function DHW/BS/MINT sensor
SE11 - Contact to turn-on additional function Closed
SE12 - Display in DHW/BS mode DHW/BS temperature
SE13 - CH pump in DHW/BS mode Re1/On - Re2/On
SE14 - CH pump overrun time in DHW/BS mode [s] 60 On
SE19 - Frost protection „FP"- heating turn-on temp
SE20 - Frost protection - turn-off temperature [°C]
SE21 - Permission of CH in FP mode at turned-of
SE22 - Delay of switch off the boiler in frost protec
SE23 - Delay at switching of HDO remote control
SE24 - Maximum increase of boiler temperature [
SE25 - Boiler type
SE92 - Enable the PWM to relay switching
SE93 - Speed of power relays switching (CH mod
SE94 - P value (x/10)
SE95 - I value (x/100)
SE96 - D value (x/1000)
SE97 - Rate of temperature rise at CH [E]
SE98 - Function of display dot DT1
(click to show)
(service parameters)
(at the start of)
(the recording)
Temperature [°C]
Discrete value [ON = 1, OFF = 0]
8:15:20
Temperature (- - -) [°C]
Required temperature CH
Temperature CH
Required temperature (- - -)
Room thermostat
Number of boiler power levels

note: