

# Technical requirements for using ESI[tronic] 2.0

## 1. General requirements

	Minimum requirement	Recommendation
Processor	Dual core with 1.6 GHz or similar	Celeron 1.6 GHz (Dual-Core) or higher
Operating system	Windows 7 SP1 (32 / 64 bit), 8 (32 / 64 bit), 10 (32 / 64 bit) version 2004	Windows 10 (64 bit)
Main memory capacity	2 GB DDR 3	8 GB DDR4 or more
Display resolution	1024 x 600	1366 x 768
Free mass storage	100 GB (SSD or HDD) *1	100 GB (SSD)
USB ports	1x USB 2.0	2x USB 2.0 or 3.0
Computer network	LAN: 10 / 100 Mbit/s WLAN: 802.11 bgn	LAN: 10 / 100 / 1000 Mbit/s WLAN: 802.11 ac
Internet	DSL, 6 Mbit/s	VDSL, 50 Mbit/s or more

\*1 Free storage space: 100 GB (recommended); in case ESI[tronic] 2.0 Online is used and depending on the ESI[tronic] info types used, less may be sufficient.

## 2. ESI[tronic] 2.0 installation and updates

### 2.1 Admin permission required

2.2 Access to C:\Bosch\_PR

2.3 The following domains and ports are used for downloading updates via DDM (Diagnostics Download Manager):

Domain	Port	Protocol	Description
update.esitronic.com	443	https	Update service
www.bosch.com	80 / 443	http/https	DDM connection, test URL
fbs.esitronic.com	443	https	Data feedback
blackbox.api.escript-pseudonyms.com	443	https	Pseudonymization service feedback
1p01.api.escript-pseudonyms.com	443	https	Pseudonymization service feedback
cdn.esitronic.de	80 / 443	http/https	Download file service (currently http only)
cdn2.esitronic.de	80 / 443	http/https	Download file service (currently http only)
download.esitronic.de	80 / 443	http/https	Download file service (currently http only)

## 3. Updating the KTS module's firmware

At least during each major ESI[tronic] update – three times a year – the KTS module's firmware must be updated as well. Due to data size, the firmware update can only be carried out by USB. For more details on USB, see section 4.3

**3.1 A free, unlocked USB port** (USB 2.0 or higher) must be available. Note: a KTS module's firmware can be updated from any Windows computer where the same version of ESI[tronic] 2.0 is installed.

## 4. Working with ESI[tronic] 2.0 – communication with the KTS module

### 4.1 Firewall settings

The following firewall rules are set automatically for the Windows firewall on installation of ESI[tronic] 2.0. For the specified executables, all IP addresses and ports, both inbound and outbound, will be unlocked in all profiles.

Executable	Firewall	Profile
<ProgramFiles>\Bosch\Diagnostics\RBSys\RBsys.exe	Inbound, outbound	Domain, private, public
<ProgramFiles>\Bosch\Diagnostics\ModuleConfiguration\ModuleConfiguration.exe	Inbound, outbound	Domain, private, public
<ProgramFiles>\Bosch\ESItronic 2.0\ESItronic\ModuleConfiguration\ModuleConfiguration.exe	Inbound, outbound	Domain, private, public
<ProgramFiles>\Bosch\ESItronic 2.0\ESItronic\esirt.exe	Inbound, outbound	Domain, private, public

If a different firewall than the Windows firewall is in use, it must be configured manually.

### 4.2 Communication by Bluetooth

- Just for information purposes as it is already covered by the firewall settings –
- The KTS module is operated as a network device and uses the following network address: 192.168.177.xxx. If it is already assigned, the following addresses will be checked and used instead, if possible: 192.168.187.xxx, 192.168.197.xxx, ...
- The Microsoft Bluetooth Stack must be active

### 4.3 Communication by USB

- Just for information purposes as it is already covered by the firewall settings –
- The KTS module is operated as a network device and uses the following network address: 192.168.171.xxx. If it is already assigned, the following addresses will be checked and used instead, if possible: 192.168.181.xxx, 192.168.191.xxx, ...

## 5. Working with ESI[tronic] 2.0

5.1 Access to c:\Windows\RbSystem.ini

5.2 The following domains and ports are used:

Domain	Port	Protocol	Description
services.esitronic.com	443	https	ESI Ticket service
newp.esitronic-web.com	443	https	ESI 2.0 Information “EBR”
www.esitronic-web.com	443	https	ESI 2.0 Online
www.online-repair-info.com	443	https	ESI 2.0 Truck
esitronic.bosch.de	443	https	ESI 2.0 licensing
locis.fe.de.bosch.com	443	https	ESI 2.0 usage optimization

## 6. Additional notes

To improve Windows stability and particularly the connection with the KTS module, the following Windows power settings are changed on installation of ESI[tronic]:

- ▶ Windows 7, 8, 10: “USB selective suspend setting” will be disabled
- ▶ Windows 10: Windows Quick Start will be disabled

## 7. Technical requirements for using CoRe as a server

For a computer to be used as a CoRe server, the following advanced requirements apply:

	Minimum requirement	Recommendation
Processor	Celeron 1.6 GHz (Dual-Core) or higher	Intel Core i5 or similar processor
Operating system	Windows 7, 8, 10 (32 / 64 bit)	Windows 10 (64 bit)
Main memory capacity	4 GB	8 GB DDR4 or more
Display resolution	1366 x 768	1366 x 768
Free mass storage <sup>2)</sup>	100 GB (SSD or HDD)	100 GB (SSD)
Computer network	LAN: 10 / 100 Mbit/s WLAN: 802.11 b/g/n	LAN: 10 / 100 / 1000 Mbit/s WLAN: 802.11 ac
Internet	ADSL, 16 Mbit/s	VDSL, 50 Mbit/s or more

<sup>2)</sup> The storage space required depends on the number of data back-ups and the amount of data (e.g. images, protocols).