

Technical requirements for ESItronic use

1. General requirements

	Min	Recommended
Processor	Dual Core with 1,6 GHz or comparable	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)
RAM	2 GB DDR 3	8 GB DDR4 or more
Display resolution	1024 x 600	1366 x 768
Free storage	100 GB (SSD oder HDD) *1	100 GB (SSD)
USB Ports	1 x USB 2.0	2 x USB 2.0 oder 3.0
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: 100 GB (recommended) – depending on use case with larger usage of online components, requirements can be lower.

2. Installation and Updates for ESI[tronic] 2.0

2.1 Admin rights required

2.2 Access to C:\Bosch_PR

2.3 Domains und Ports used for downloads 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	Feedback data
blackbox.api.escript-pseudonyms.com	443	https	Feedback pseudonymization service
1p01.api.escript-pseudonyms.com	443	https	Feedback pseudonymization service
cdn.esitronic.de	80/443	http/https	Download File Service (currently only http)
cdn2.esitronic.de	80/443	http/https	Download File Service (currently only http)
download.esitronic.de	80/443	http/https	Download File Service (currently only http)

3. Firmware-Update KTS module

At least with every main update ESI[tronic] – 3 times / year the Firmware of the KTS-must be updated. Das Firmware-Update only possible by USB

3.1 Open USB port must be available for firmware updates (USB 2.0 or higher) Hint: Firmware-Update of KTS modules can be done by any Windows PC using the correct ESI 2.0 version

4. Working with ESI[tronic] 2.0 – Communication to KTS module

4.1 Firewall settings

On installation of the ESI 2.0 – the following firewall settings are made. For the listed executables all IP addresses and Ports, released for Inbound and Outbound in all Profiles.

Executable	Firewall	Profil
<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

Should an alternative Firewall be used, this must be manually configured.

4.2 Communication via Bluetooth

- As information only, this is covered already by the firewall settings made on installation

The KTS-Module is operated as a network unit and uses the following network address: 192.168.177.xxx. Should this already be in use by other units, the following addresses will be tested and used: 192.168.187.xxx, 192.168.197.xxx,

4.3 Communication via USB

- As information only, this is covered already by the firewall settings made on installation

The KTS-Module is operated as a network unit and uses the following network address: 192.168.171.xxx. Should this already be in use by other units, the following addresses will be tested and used: 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 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 Lizenzierung
locis.fe.de.bosch.com	443	https	ESI 2.0 Nutzungs-Optimierung

6. Other hints

To ensure stable operation of Windows and especially connection to KTS module, the following changes to the energy saving options are made:

- ▶ Windows 7, 8, 10: „Selective USB power saving“ is disabled
- ▶ Windows 10: Windows „Quick boot“ is disabled

7. Requirements for CoRe server (Optional)

For use of CoRe as a server, the following requirements:

	Min	Recommended
Processor	Celeron 1,6 GHz (Dual Core) pr higher	Intel Core i5 oder similar Processor
Operating system	Windows 7, 8, 10 (32/64 Bit)	Windows 10 (64 Bit)
RAM	4 GB	8 GB DDR4 or higher
Display resolution	1366 x 768	1366 x 768
Free storage ²⁾	100 GB (SSD oder HDD)	100 GB (SSD)
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 oder mehr

²⁾ Required storage is dependent on the amount of stored data, pictures, protocols etc.