SCHELL SSC Bluetooth® module

(EN) **Quick-start instructions for commissioning**
SSC Bluetooth® module

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SCHELL

Connection

Installation steps:

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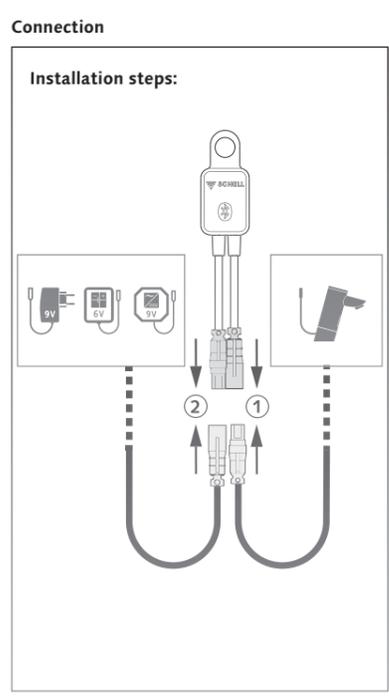
Function

The SSC Bluetooth® module enables the wireless configuration of SSC-capable fittings or the optional extension of the stagnation flush from fittings software version V3.02.

Module access is provided by the apps developed by SCHELL plus an Android or iOS mobile device.

Fittings parameters such as sensor range, cleaning stop settings or flow times can be configured simply and easily using the SSC Bluetooth® module and the corresponding app.

In the SSC Bluetooth® app, the parameters for the connected fitting are configured using a clearly structured user interface and transmitted to the connected fitting automatically via the SSC Bluetooth® module.

Requirements

- SCHELL SSC fitting
- Device supports Bluetooth® SMART
- SSC Bluetooth® app installed on a mobile device
- Bluetooth® functionality activated on the mobile device
- SSC Bluetooth® module is within the maximum range – i.e. 10 m – of the Bluetooth® signal
- For Android devices, location access must be granted: this ensures that the device can scan for Bluetooth® devices.

Application

When using the SSC Bluetooth® module, there are two possible variants:

1. Parameter setting for a fitting

An SSC Bluetooth® module can be used during commissioning, for example, so as to complete the parameter setting for the installed fittings more quickly and conveniently by using the SSC Bluetooth® app.

To do so, the SSC Bluetooth® module is connected in series with the fitting's power supply (see "Connection").

Once configuration is complete, the module can be removed and can then be used to set parameters for other fittings.

Note:
The SSC Bluetooth® module is fitted with a reserve battery for storing the date and the time. If the reserve battery is not adequately charged, the date and time settings will be lost when the power supply is disconnected. The battery must only be charged using a SCHELL power adapter or battery compartment. Charging a fully discharged battery may take up to 14 hours.

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2. Permanent installation for function extension

In this case, the SSC Bluetooth® module is installed on the fitting and remains permanently connected.

Alongside easy parameter setting, the following additional functions are also then available:

- Weekly flushing plan (from fitting software version V3.02).
  The fitting flushes on the specified weekdays at the set time and for the set duration. The stagnation flushes are documented.
- Flush logging.
- The last 64 stagnation flushes are documented.
- The documented data can be exported.

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Intended use

Any other use than the uses described above is a non-intended use and will cause damage to this product. A non-intended use also has associated risks such as a short circuit, fire, electric shock, etc.

For safety and regulatory reasons, independent conversion and/or modification of the SSC Bluetooth® module is not permitted.

Read and follow the safety instructions at all times!

This user guide forms part of the product.

The guide contains important information on commissioning and use. Keep this user guide in a safe place for reference later.

Always include this user guide if the product is given, hired out or sold to another party.

Note:
These quick-start instructions are a short guide to using the SSC Bluetooth® module and do not cover all of the settings that are available.

Safety instructions

Product guarantees are considered null and void in the event of damage or injury caused by improper handling or a failure to follow the instructions in this user guide.

We accept no liability for consequential damage or injury in such cases.

⚠ **Warning!**
Risk of suffocation from packaging material.
> Do not leave packaging material lying around unattended. Plastic film, polystyrene parts, etc. can be dangerous – do not allow children to play with them.

⚠ **Caution!**
Risk of fire, explosion or burn injuries.
> Always use a power supply approved by SCHELL for operating or charging the SSC Bluetooth® module.

Do not commission or use Bluetooth® modules if they are damaged.

After a power interruption, the set information must be checked with time/date for the hygiene function.

SSC Bluetooth® app

Start screen and fitting scan

When the SSC Bluetooth® app starts, it first performs an automatic scan for SSC Bluetooth® modules. All SSC Bluetooth® modules that are within the range of this scan are then listed under "Fittings found".

Fittings found
XERIS E 01 294 06 99 82 %
PURIS E 01 229 06 99 76 %

If a battery-operated fitting is not displayed promptly, the fitting must be triggered manually. Following this, the fitting must then be restarted.

A manual rescan can be performed by tapping and holding the list of fittings, pulling it down and then releasing it.

The scan takes up to 15 seconds to complete.

Selecting a fitting

Fittings found
XERIS E 01 294 06 99 82 %
PURIS E 01 229 06 99 76 %

Tap the entry in the list to open the fitting's select menu.

Fittings found XERIS E
Bluetooth®-Modul Settings and operating data
Fitting Settings and operating data

The select menu is divided into two sections:
- **Bluetooth® module**
  Access settings and operating data.
  » Hygiene
  » Information
  » Configuration
- **Fitting**
  » Information
  » Configuration
  » Diagnosis

"Fitting" menu section

Parameters configured in the "Fitting" menu section are saved to the fitting immediately.

- Information
  Display the current operating data. The information displayed is read from the fitting that is currently connected to the SSC Bluetooth® module.
- Configuration
  Configure parameters that are normally set manually for the fitting.
- Diagnose
  Display or reset the fault memory or perform a valve test (manually open or close solenoid valves).

Configuring parameters (e.g. deactivate stagnation flush):
Tap the menu option

Fittings found XERIS E
Bluetooth®-Modul Settings and operating data
Fitting Settings and operating data

» Tap a parameter to open the configuration window

XERIS E Configuration
Manual programming On/off On
Detection area Sensor Long
Flow time Maximum 20 s
Flow time Run-on 10 s
Stagnation flush Ein/Aus On
Stagnation flush Mode Last flush
Stagnation flush Flow time 60 s
Stagnation flush
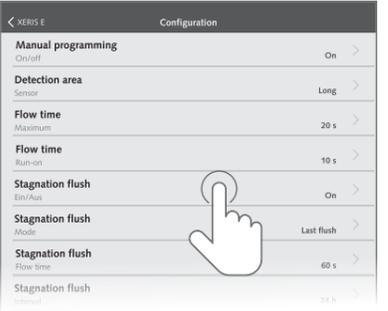
» In the settings menu, select the parameter setting and use "Save" to save it in the fitting.

Cancel Stagnation flush
Off
On
1. 2.
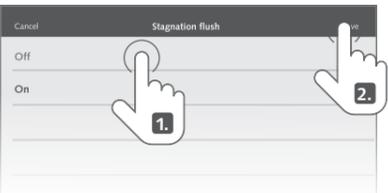
» Use "Configuration" to return to the parameter list.

When the stagnation flush is switched off, the other parameters relevant for the stagnation flush are deactivated (greyed-out) automatically: these parameters cannot be configured until the stagnation flush has been switched back on.

Maximum 20 s
Flow time Run-on 10 s
Stagnation flush On/off Off
Stagnation flush Mode
Stagnation flush Flow time
Stagnation flush Interval
Energy saving mode On/off On
Energy saving mode Activation time 1 h
Thermal disinfection On/off Off
Thermal disinfection Flow time

The configuration options for the stagnation flush described here are related only to the fitting and not to the stagnation flush configurable under "Hygiene".

"Bluetooth® module" menu section

The settings in the "Bluetooth® module" section are stored only in the SSC Bluetooth® module – and not in the fitting itself.

» Tap the "Bluetooth® module" menu option

Fittings found XERIS E
Bluetooth®-Modul Settings and operating data
Fitting Settings and operating data

XERIS E Bluetooth® module
Hygiene Flush programs
Information Current operating data
Configuration Parameter settings
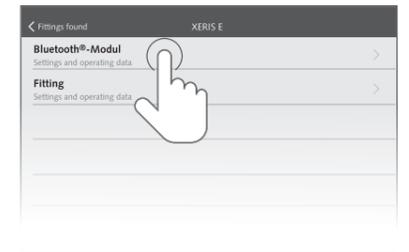
"Hygiene" menu section

The settings in the "Hygiene" section are stored only in the SSC Bluetooth® module – and not in the fitting itself.

» Tap the "Hygiene" menu option

XERIS E Bluetooth® module
Hygiene Flush programs
Information Current operating data
Configuration

Bluetooth® module Hygiene
Stagnation flush Edit
Stagnation flush docs 1 Entries

Deleting the stagnation flush

Hygiene Stagnation flush
All 10:03 4 s
Mon–Fri 09:15

Hygiene Stagnation flush
Mon–Fri 09:15 Delete
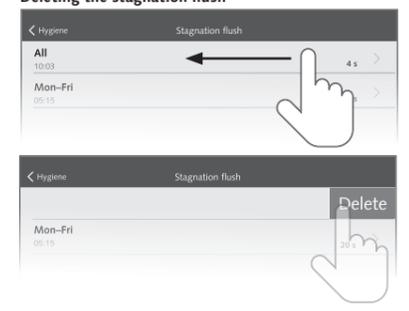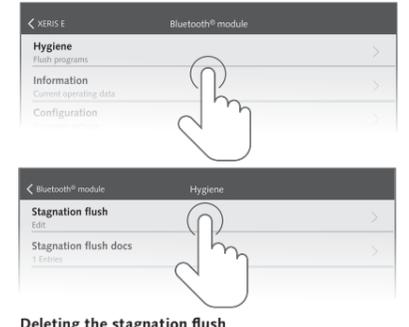
To protect against unauthorised access, the SSC Bluetooth® module can be configured to require entry of a specific password. The password is activated and changed under: Bluetooth® module > Configuration > Password: On/Off. The code pre-set at the factory is 00000000.

Fittings found
XERIS E 01 294 06 99 82 %
PURIS E 01 229 06 99 76 %
Code Please enter the code
Cancel Ready
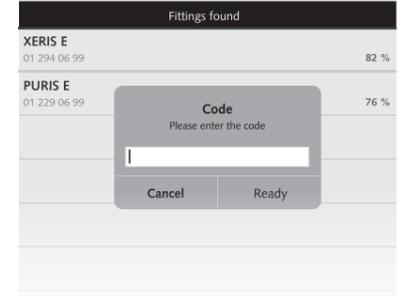
⚠ **Please note!**
**You can change this default access code in the SSC Bluetooth® module configuration.
Remember to make a note of the new access code that you have set. Once changed, the access code cannot be reset.**

The password can be up to 8 characters long and must use ASCII characters (lowercase and uppercase letters can be used). Do not use characters with accents.

Instructions for commissioning

The SSC Bluetooth® module lets you control any SSC fitting to achieve the best hygiene possible and major savings on water consumption.

However, this is conditional on the drinking water system being operated according to the intended use.

⚠ **Warning!**
If the drinking water system is not used as intended, this can cause damage to property and/or personal injury.
> Make sure that the drinking water installation is operated properly at all times.

All settings made with the SSC Bluetooth® module made during commissioning (by the qualified tradesperson) must be adjusted to the local circumstances of the drinking water system to ensure the system is operated according to the intended use.

Using stagnation flushes to ensure drinking water quality

⚠ **Warning!**
The SSC Bluetooth® module does not perform hygienic testing on the drinking water. The water is assumed to be safe and of a high quality. An inadequate exchange of water can result in excessive proliferation of bacteria.
Bacteria in drinking water may affect health in certain circumstances – and can even be fatal.
> Accordingly, ensure that you schedule stagnation flushes and observe the following advice.

Electronic equipment for ensuring water quality must be monitored regularly and maintained/repaired when necessary. In spite of the very high intrinsic reliability of the system and its components, outages are nevertheless possible. If a system of this kind fails in full or in part, manual water exchange must be performed at all tapping points.

Stagnation flushes are used to maintain the water quality in drinking water installations. To this end, the rules and regulations require a complete water exchange in the installation every 72 hours. This interval may be extended to 7 days if a hygienic inspection returns acceptable results (VDI 6023 and DIN EN 806-5).

Accordingly, technical planners who use the SSC Bluetooth® module for parameter setting must also be familiar with the installation.

High-quality stagnation flushes are dependent on two requirements:
1. As far as possible, a turbulent flow must be generated.
2. The flow pressure should never fall below 1,000 mbar at any tapping point.

Accordingly, the design that the planner used as the basis for dimensioning the drinking water system must be properly taken into account.

In existing buildings without corresponding documentation concerning the drinking water installation, the programming parameters are more difficult and can only be determined approximately in most cases. This means that installation areas can, for instance, be volumetrically measured, and critical temperatures detected by measurements and compensated by stagnation flushes.

As a general rule, we recommend verifying the success of the selected settings for stagnation flushes from the outset, by using temperature measurements and microbiological tests.

According to DIN 1988-200, cold water must be less than or equal to 25 °C after being run for 30 seconds and warm water at least 55 °C after 30 seconds.

After measurements of this kind, further measures to save water can also often be successfully implemented and confirmed in terms of temperature and microbiology (see above).

In almost all cases, a stagnation flush carried out for hygiene reasons needs less drinking water than the normal usage of the drinking water system, because flushing is only carried out with interruptions of use once every 72 hours (up to a maximum of once every 7 days) and not several times a day. This means that the SCHELL SWS water management system also specifically enables the balance between saving water and maintaining water quality to be achieved.

Disposal

At the end of their service life, electronic components must not be disposed of in household waste but must be disposed of at a recycling centre intended for this purpose.

The materials are recyclable in accordance with their marking. You are making an important contribution to the protection of our environment by recycling valuable reusable raw materials.

The SSC Bluetooth® module contains a rechargeable lithium manganese battery (secondary battery).

Technical data

Supply voltage	6.5 V DC Min.: 4.5 V DC Max.: 9 V DC
Power consumption	max. 200 mW
Wireless range	max. 10 m
Mains connection	3-pin socket (IP rating IP68)
Sensor connection	3-pin plug (IP rating IP68)
Temperature range	0 °C – 45 °C
Weight	20 g
Dimensions	55 mm x 25.5 mm x 13 mm

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