



Quick start guide

Intended use:

smarT.power is a universal charging device for charging (in absence of other charging options) your mobile phone, your TEASI-navigation system or other devices with a 5V (USB) charging capability while you are out and about. Depending on the battery capacity of the device to be charged, it may even be possible to charge or recharge it several times.

smarT.power is also equipped with a high-power LED spotlight, as well as mechanical connectors for the universal HR 4 Quick Fix System (shortened to 4QF below), which is the most widely used system in the mobile and outdoor sector and therefore offers you the most universal connection options.

This means that **smarT.power** can be securely attached onto your bicycle handlebars with the same bike mount system as TEASI. The other side of the mount can then hold your TEASI or your mobile phone case. The road in front of you is well-lit by the powerful spotlight.

smarT.power is dustproof and waterproof in accordance with standard IP65, which means that smarT.power can be used outdoors, even in heavy rain, for example. Please follow the instructions on this subject later in this guide!

Connecting and control elements:



- (1) LED spotlight
- (2) Connector for HR 4QF mount
- (3) Switch for LED spotlight
- (4) ON / OFF switch for charging function
- (5) Adapter port for external devices
- (6) Battery status indicator
- (7) HR 4QF mount for external devices
- (8) Charging input with rubber cap

Below we simply refer to external devices that are to be charged as “receivers”, as they receive the charging voltage and current from the “donor” **smarT.power**.

Basic operation:

(4) Charging the receiver (e.g. smartphone or TEASI):

Press the ON / OFF switch (4) 1x: **smarT.power** starts to charge the receiver

Pressing the ON / OFF switch (4) again stops the charging process.

(3) Spotlight functions:

Press 1x: switches on LED spotlight: while light, full power

Press 2x: white LED, approx. half strength

Press 3x: red light

Press 4x: switches off LED spotlight

If the switch (3) is not pressed again within 5 seconds to change to the next LED mode, the next time the switch (3) is pressed, all LED functions are switched off immediately.

(6) Battery status indicator:

This three-colour LED indicator shows the status using 3 colours, red, yellow and green:

1. smarT.power is operational

i.e. **smarT.power** is operating as a donor. A receiver is being charged or the LED spotlight is switched on.

Rapidly flickering red light: less than 5% charge remaining

WARNING! Please switch off the **smarT.power** device immediately to prevent a deep discharge of the built-in battery!

Note: Even a single deep discharge could permanently damage the built-in lithium battery! This type of damage is not covered by the warranty.

Continuous red light: 16%-30% residual charge. smarT.power should be recharged soon.

Continuous orange light: 31%-50% residual charge

Continuous green light: 51-100% residual charge

2. The internal battery of smarT.power is being charged:

Flashing red: 1%-30% charged, **smarT.power** is charging

Flashing orange: 31%-50% charged, **smarT.power** is charging

Flashing green: 51%-99% charged, **smarT.power** is charging

Continuous green light: **smarT.power** is fully charged. The charging process can be stopped.

To recharge **smarT.power** use a standard USB charger with a 5V 1A charging port (e.g. from a smartphone) and the USB charging cable supplied. The cable is plugged into the charging input (8) (under the rubber cap). A charge cycle takes about 6 hours if the rechargeable battery is almost or completely empty.

Waterproof and dustproof in accordance with IP65. What does this mean?

You can use smarT.power even in heavy rain and off-road. **smarT.power** is appropriately waterproof and dustproof for these conditions. However, the following requirements must be observed:

smarT.power must never be immersed or submerged in water! If this happens, for example as the result of a fall, immediately switch off **smarT.power** completely, wipe dry all ports and blow water out of them. Then please send the device to the service center

as soon as possible. If you do this, please indicate that your smarT.power has fallen into water! Never open the device yourself! Lithium batteries are subject to special safety regulations!

To clean the device, it is best to use a soft cloth, which should be lightly damp at most. Never use water or a damp cloth to clean the electrical ports (5) and (8)!

Do not recharge smarT.power or connect it to an external power source in the rain, as the charging socket is only waterproof when the rubber cover is securely closed.

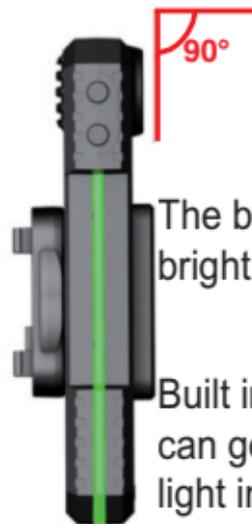
The adapter port (5) for receiver devices should be stored in the designated recess for safekeeping when not in use. Otherwise the port itself is not protected against water and dust.

If an appropriate adapter (see below - e.g. mini USB for TEASI) is plugged into the port (5) and the adapter has been inserted correctly, this connection is waterproof and dust-proof. However you should never change or plug in the adapter in the rain or, for example on the beach in the wind. If water or sand/dust penetrates inside, this can lead to short-circuits or mechanical damage. These are not covered by the warranty.

LED spotlight (1):

smarT.power bis equipped with a powerful USA CREE LED spotlight with a correspondingly long service life of approx. 5,000 hours.

The LED spotlight can be folded out up to an angle of 90° . A mechanical lock prevents an angle of more than 90° . If it is difficult to rotate, you should never attempt to turn it by force. You may have already reached the end stop or there may be something blocking the pivot. Caution!



The foldout-angle must not exceed 90° and the spotlight should never be turned in the other direction!

The built-in battery is discharged during use. The LED light may become less bright as a result. This is normal.

Built into the back of the light is a metal component for cooling the LED. This can get very warm or even hot depending on the length of time in use and the light intensity! This is also normal. Avoid contact with this component.

Connecting to a HR 4QF system mount:



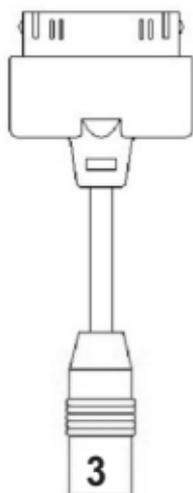
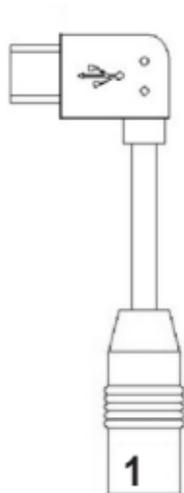
Push **smarT.power** onto the 4QF mount from above until **smarT.power** snaps securely into place.

You can attach your smartphone or TEASI case on the other side in the same manner. Make sure that both locking mechanisms have snapped into place securely on both sides.

smarT.power is thus mounted between the mount and the mounting case of the smartphone / TEASI almost like the filling in a sandwich.

Connecting the adapters supplied:

The following 4 charging adapters for receiver devices are supplied with smarT.power:



(1) (Micro USB)

(2) (Mini USB)

(3) (iPhone 4/4s)

(4) (iPhone 5)

These allow you to charge or recharge almost all mobile devices on the market (navigation devices, mobile phones, tablet PCs, MP3 players etc.).

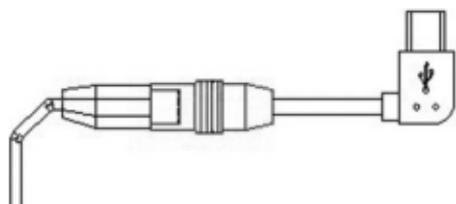
Each of these 4 adapters can be plugged into the green port for external devices (5). Carefully pull the appropriate adapter out of its holder.



The green port (5) for receiver devices should be inserted and secured in place in the designated recess (for safekeeping) when not in use, as otherwise the adapter port will not be protected against water and dust.

If an appropriate adapter (see illustration) is plugged into the port (5) correctly, this connection is waterproof and dustproof. Do not change or plug in the adapter in the rain or, for example on the beach, as water, sand or dirt could get inside. If water or sand/dust penetrates inside, this can lead to short-circuits or mechanical damage. These are not covered by the warranty.

WARNING! Never use any other adapter, even if they fit the port! The polarity and wiring may be different, and this would result in the likely destruction of the connected device and/or the smarT.power.



This is an example of what a correctly connected micro USB adapter looks like. The adapter must be fully inserted.

Image of a TEASI connected to **smarT.power**:



Technical specifications:

Input: DC 5V / 1A direct current - maximal permitted 6.5V / 1A direct current

Output: DC 5V / 1A direct current. The charging current is regulated according to the device connected.

Built-in battery: 5400mAh Li polymer / rechargeable battery

Maximum efficiency: 90% (depending on the system, up to approx. 90% of the maximum capacity can be extracted)

Luminosity of the high-power LED: Cool white, max.300 lumens, USA CREE XPG series LED. Beam angle: 15°

Dimensions: 120mm x 66mm x 17 mm

Weight: 165g (without adapter)

Operating temperature: -20°C to +60° ambient temperature

Note: The optimum ambient temperature of lithium batteries is approx. 20°C – 45°C. At temperatures below approx. 10°C, the operating time of lithium batteries can decrease significantly. This is normal and does not constitute a defect or fault.

Included in the delivery:

1 x **smarT.power**

1 x charging cable with USB connector

1 x charging cable with open ends (e.g. for connecting to a hub dynamo)

⊕ = red, ⊖ = black

1 x iPhone 4/4S adapter

1 x iPhone 5/5S adapter

1 x micro USB adapter with 90° connector 1 x mini USB adapter

1 x waterproof storage bag for the adapter

1 x this guide

Final notes / safety information:

1. To prevent the built-in lithium battery from discharging, we strongly recommend charging smarT.power approx. once every 3 months to avoid a complete or even deep discharge of the lithium battery.

Deep discharges will destroy the built-in lithium battery!

2. smarT.power must be disposed of in accordance with statutory requirements and legislation. Do not discard it in the countryside or in normal household waste!
3. This device / smarT.power must never be heated or exposed to naked flames.

4. In the event of mechanical damage or breakage of the casing, the device must be sent to the manufacturer for inspection.
5. This device / smarT.power must never be immersed or submerged in water!

Warranty / service:

You (the consumer) receive a 36 month warranty commencing on the date of purchase. This warranty does not apply to damage caused by improper treatment or external influences (water, dropping, sun, impact or breakage).
(The full warranty conditions are available at www.teasi.eu)

If you have any technical queries and/or problems, please contact us by phone on:

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via email to **support@first-servicecenter.de**