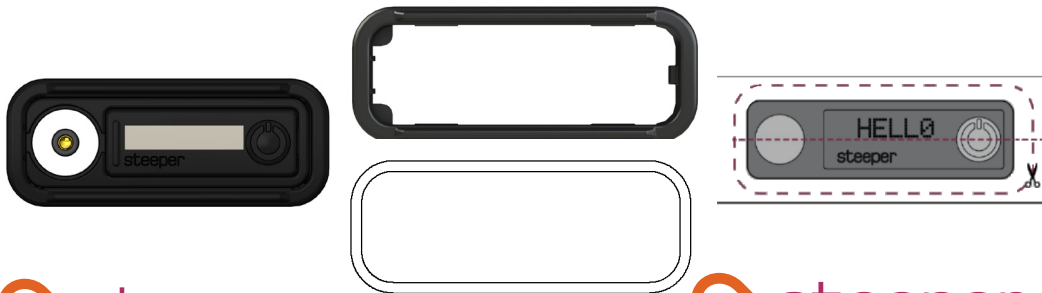


S-Charge Display Kit SCDIS Technical Information



S-Charge Display Kit

This kit is compatible with the Steeper S-Charge System; a user friendly battery system with OLED display and a magnetic charger, that is fitted into a prosthesis to allow the user to easily activate, deactivate and charge their prosthesis. The display informs the user of the remaining power and if there is a charging fault.

This kit includes the following items:

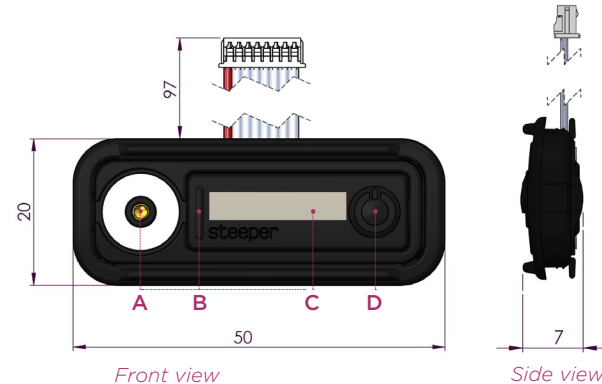
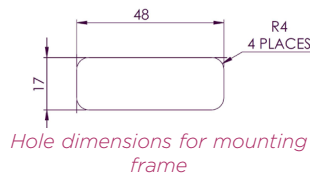
SCDIS	Quantity
S-Charge Display	1
Mounting frames	3
Mounting frame gaskets	3
Alignment stickers	2
Silicone sealant	1
Extension ribbon cable	1

For other spare part kits, please refer to the S-Charge System Technical Manual on the Steeper website.

Principal dimensions & specifications

Display & mounting frame

Size	50mm x 20mm x 7mm
A	Magnetic charging point
B	Mode button
C	OLED display
D	Standby button

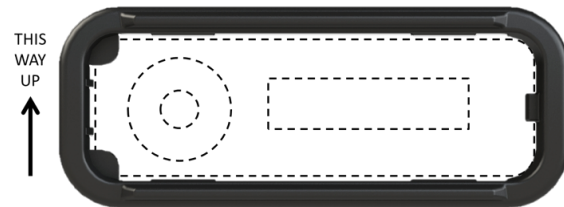


Removal of old S-Charge Display

1. Remove the old Display from the forearm by inserting a flathead screwdriver under the mounting frame - the mounting frame will break.
2. Remove the Display by feeding it back through the mounting frame hole and remove the full S-Charge System from the forearm. **(Unless absolutely necessary DO NOT remove batteries from the Hub)**. Care must be taken to ensure that the other items are not damaged.
3. Once the S-Charge System is removed from the forearm, replace the faulty Display with the new one, connecting it to the Hub.
4. Once replaced, press the standby button on the S-Charge Display before refitting the rest of the system. If the screen is blank, charge the batteries for 30 minutes and check again. If this does not work, carry out the steps below in the following order:
 - Firstly, connect the S-Cells to the Hub (the Hub can accommodate 2, 3 or 4 S-Cell batteries in one system).
 - Next, connect the Display with the ribbon cable to the Hub.
 - The system is now connected. Turn on and retest by pressing the standby button on the Display.
5. Once the above is carried out, the new S-Charge Display can be fitted into the forearm. See opposite for fitting the new S-Charge Display.

Fitting of new S-Charge Display

1. Place the foam gasket around the mounting frame, beneath the inner lip. Then use the silicone adhesive provided to ensure it is water tight.
2. Fit the mounting frame to the hole, ensuring the correct orientation as shown below. (Instructions continue overleaf)



3. Ensure the plastic clips of the mounting frame are facing into the hole as shown.
4. Feed the full system through the forearm, and pull the Display through so it exits the forearm through the mounting frame hole. If a bend is required to allow the ribbon cable to run along the forearm, carefully fold it at a minimum distance of 5mm from the Display. Use the extension cable, if required, to ensure that the cable is not strained (with extra care required at the joint with the Display).
5. Sit the Display flat on top of the mounting frame and push the corners of the display until it clicks into place. The front of the display should sit flush with the mounting frame and the whole unit should feel secure in the forearm. Use the green dispenser tip to apply silicone sealant to the gap between the Display unit and the mounting frame ensuring it is water tight.
6. Secure the system inside the forearm using hook and loop fasteners or similar to prevent movement.



S-Charge System: Important Information

When putting the Display into the forearm, **use the edges of the four corners to gently push the S-Charge Display into position**, ensuring that too much force isn't exerted directly onto the Display itself.

The Steeper S-Charge System and its associated components are not waterproof and should not be exposed to moisture. Ingress of moisture may cause corrosion and potentially severe damage.

These products are not designed to be opened and have no user accessible or replaceable internal components.

In the event of failure or suspected malfunction, please contact Steeper or your supplier.

If the S-Charge System or components have either been in storage or have been transported for longer than 1 hour, please leave in an ambient temperature (20° C) for a minimum of 2 hours before use.

Warning: do not modify this equipment.

For further information or troubleshooting guidance, please refer to the S-Charge System Technical Manual on the Steeper website.

Disposal

The S-Charge Display Kit is an electrical device and should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points.

Alternatively, in some countries, you may be able to return your products to your local retailer upon the purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.



Warranty terms

Item	Warranty Period	Warranty Terms
Display	12 months	Design and Manufacture

Where a claim is made under warranty, this claim must be supported by appropriate documentation. Photographs of any failed batteries must be provided in lieu of the product itself. Please do not send faulty batteries back to Steeper. You must state if you wish us to supply a replacement.

The warranty will be void on all system components if any components have been subject to abuse, repair or maintenance by an uncertified person, deliberate damage, applied loads beyond those for which the product was designed, or by modification, neglect or actions against those outlined in the important information.

The designed service life of the S-Charge System is two years. Other than the guidance outlined in 'Care and cleaning' in the S-Charge System Technical Manual, no other maintenance is required for this system.

The design and manufacture of Steeper equipment and components are subject to a policy of continuous reappraisal. The company therefore reserves the right to introduce changes and withdraw products without notice.

Test certification & environmental conditions

The S-Charge Display Kit and its associated components listed in this document have been tested and certified to the following standards and requirements:

- Medical Safety Testing:
 - IEC 60601-1: 2005/A1:2012.
 - IEC 60601-1-11: 2015; Includes meeting requirements: ISO 14971:2012.
 - IEC 60601-2: 2014.
- IP22 to BS EN 60529: 1992+ A2: 2013, when the S-Charge display is sealed using the silicone sealant as outlined in the fitting instructions.

Environmental operational conditions

Storage, transport and operation	-20°C (-4°F) to +50°C (+122°F)
----------------------------------	--------------------------------

Operational	-5°C (-23°F) to +40°C (+104°F)
-------------	--------------------------------

Pressure range	700-1060 hPA
----------------	--------------

Maximum 80% relative humidity, above non-condensing

Do not expose to EM emissions above 8kV contact, 15kV air

Returns

If items are to be returned for any reason, please contact your local distributor quoting the part number and serial number (where applicable).

You will be issued with a returns number and returns form that will need to be completed in full to ensure that your request is dealt with promptly.

Quality assurance

Steeper is registered with both the **Medicines and Healthcare Regulatory Authority** in the UK and the **Food and Drugs Administration** of the United States Government for the manufacture and supply of prosthetics and orthotics products.

MHRA Registration N°: 0000006617

FDA Registration N° : 9612243

Model N°: RSL-RP616

Continued compliance with the standard is monitored by a programme of internal and external audits. All individual products are marked indicating that they comply with the requirements of the Medical Devices Directive 93/42/EEC (MDD). The **CE** mark may be applied on packaging, accompanying literature or an enclosure, rather than the product itself.

For the most recent issue of this technical manual, please visit www.steepergroup.com.

Steeper Group
Unit 3, Stourton Link
Intermezzo Drive
Leeds
LS10 1DF
United Kingdom

+44 (0) 113 270 4841
customerservices@steepergroup.com

www.steepergroup.com

STPPR059 Issue 5

SteeperUSA
3619 Paesanos Parkway
Suite 200
San Antonio
TX 78231
USA

210 481 4126
inquiries@steeperusa.com

www.steeperusa.com

