



# Desk2Device USB Charger User manual

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# Preface

Dear User,

We are delighted that you have chosen a product from LINAK®. LINAK systems are high-tech products based on many years of experience in the manufacture and development of actuators, electric control boxes, controls and chargers.

This User Manual does not address the end-user. It is intended as a source of information for the manufacturer of the equipment or system only, and it will tell you how to install, use and maintain your LINAK electronics. It is the responsibility of the manufacturer of the end-user product to provide a User Manual where relevant safety information from this manual is passed on to the end-user.

We are sure that your LINAK product/system will give you many years of problem-free operation. Before our products leave the factory, they undergo full function and quality testing. Should you nevertheless experience problems with your LINAK product/system, you are always welcome to contact your local contact. LINAK subsidiaries and some distributors situated all over the world have authorised service centres, which are always ready to help you.

LINAK provides a warranty on all its products. This warranty, however, is subject to correct use in accordance with the specifications, maintenance being done correctly and any repairs being carried out at a service centre, which is authorised to repair LINAK products.

Changes in installation and use of LINAK products/systems can affect the operation and durability of the products/systems. The products are not to be opened by unauthorised personnel.

The User Manual has been written based on our present technical knowledge. We are constantly working on updating the information and we therefore reserve the right to carry out technical modifications.

**LINAK A/S**

## Valid for

This User Manual is valid for the following products:

(See the first 3 - 5 characters on the label)

Accessories: Desk2Device USB Charger

Control boxes: CBD6S (200 W and 300 W; 300 W must be SW version 1.53 or newer)

Cable: CAB0965388 or any standard DESKLINE DC-bus cable

## Important information

Important information on LINAK® products can be found under the following headings:



### Warning!

Failure to comply with these instructions may result in accidents involving serious personal injury.



Failing to follow these instructions can result in the product being damaged or being destroyed.

---

## Safety instruction



### General

Safe use of the system is possible only when the operating instructions are read completely and the instructions contained are strictly observed.

Failure to comply with instructions marked with the "NOTE" symbol may result in serious damage to the system or one of its components.



It is important for everyone who is to connect, install, or use the systems to have the necessary information and access to this User Manual. Follow the instructions for mounting – there is a risk of injury if these instructions are not followed.



The appliance is not intended for use by young children or infirm persons without supervision.



If there is visible damage to the product, do not install it.



Assure free space for movement of the application in both directions to avoid blockades.

## Before installation, re-installation, or troubleshooting

- Pull out the mains plug.

## Before start-up

- Make sure that the system has been installed as instructed in this User Manual.
- Make sure that the voltage of the control box is correct before connecting the system to the mains.
- System connection. The individual parts must be connected before connecting the control box to the mains. See the User Manual for LINAK actuators, if necessary.

## During operation






- If the control box makes unusual noise or smells, switch off the mains voltage immediately.
- Take care that the cables are not damaged.
- Unplug the mains cable on mobile equipment before moving it.
- The product is only for indoor use in dry locations.

## Misc.

Updated manuals and declarations can always be found here:

[www.linak.com/deskline](http://www.linak.com/deskline)

## Attention

	Always use certified USB cables	Utilisez toujours des câbles USB certifiés
	Do not expose to liquids	Ne pas exposer à des liquides
	Do not disassemble	Ne pas désassembler
	Do not drop	Ne lache pas
	Avoid extreme temperatures; e.g. operation in direct sunlight	Évitez les températures extrêmes; par ex. utilisation en plein soleil

## Only for EU markets



This appliance can be used by children aged from aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.



Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

## Only for Non-EU markets



Persons who do not have the necessary experience or knowledge of the product/products must not use the product/products. Besides, persons with reduced physical, sensory or mental abilities must not use the product/products, unless they are under surveillance or they have been thoroughly instructed in the use of the apparatus by a person who is responsible for the safety of these persons.



Moreover, children must be under surveillance to ensure that they do not play with the product.

## Misuse



Do not overload the actuators – this can cause danger of personal injury and damage to the system.



Do not use the actuator system for lifting persons. Do not sit or stand on a table while operating – risk of personal injury.



Do not use the system in environments other than the intended indoor use

# Repairs

In order to avoid the risk of malfunction, all DESKLINE® repairs must only be carried out by authorised LINAK service centres or repairers, as special tools must be used and special gaskets must be fitted. Products under warranty must also be returned to authorised LINAK service centres.

Further information on DESKLINE warranty can be found on the LINAK website [www.linak.com/warranty](http://www.linak.com/warranty).



## Warning!

If any of the DESKLINE® products are opened, there will be a risk of subsequent malfunction.



## Warning!

The DESKLINE® systems do not withstand cutting oil.

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# Manufacturer's declaration

## DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY

LINAK A/S  
Smedevænget 8  
DK - 6430 Nordborg

Herewith declares that LINAK DESKLINE® products as characterized by the following models and types:

**Control Boxes:** CBD65a000b0A-c09 (Where -a: can be P, C or H, -b: can be 2, 3 or 4 and -c: can be 0 or 7)

**Linear Actuators:** LA31

**Built in actuator(s):** DB5, DB6, DB14,

**Lifting Columns:** DL1A, DL4S, DL2, DL5, DL6, DL7, DL8, DL9, DL10, DL11, DL12, DL14, DL15, DL16, DL17, DL18, DL19, DL20, DL21

**Desk Panels:** DPA, DPB, DPH, DPF1K, DPF1M, DPF2K, DPF3K, DPF1C, DPF1D, DPF1U, DPF1W, DPF4T, DPG1K, DPG1M, DPG1B, DPG1C, DPT, DP1V01, DP1CS, DP1K, DP1U, DP2K, DP3K, DPN, DPWA

**Accessories:** BLE2LIN002, BLE2LIN003, DESK SENSOR 1, USB2LIN, DCConnector

complies with the following parts of the Machinery Directive 2006/42/EC, ANNEX I, *Essential health and safety requirements relating to the design and construction of machinery*:

- 1.1.2 a) Special use\*
- 1.1.2 b) Selection of the most appropriate methods\*
- 1.1.2 c) Foreseeable misuse\*
- 1.1.2 d) Operator constrains due to the use of personal protective equipment\*

### 1.1.3 Materials and products\*

- 1.2.1 Safety and reliability of control systems
- 1.2.2 Control devices. Shape, readability, overview\*
- 1.2.3 Starting\*
- 1.2.4 Stopping\*

- 1.5.1 Electricity supply
- 1.5.10 Radiation, EMC. Emission of electromagnetic radiation, X-rays,  $\gamma$ -rays\*
- 1.5.11 External radiation\*

\*need to be further evaluated in the end product

We confirm that prior to market introduction the relevant technical documentation is compiled in accordance with part B of Annex VII and the assembly instruction pursuant to Annex VI.

This documentation or part hereof will be transmitted by post or electronically to a reasoned request by the national authorities.

The products mentioned in this document are to be combined for use in height adjustable furniture.

**This partly completed machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery Directive 2006/42/EC where appropriate.**

Nordborg, 2020-10-28

LINAK A/S  
Dragan Mascara  
Regulatory Compliance Manager  
Deskline and Homeline Segments  
Authorized to compile the relevant technical documentation

Original Declaration



# Declaration of Conformity

## EC DECLARATION OF CONFORMITY

LINAK A/S  
Smedevænget 8  
DK - 6430 Nordborg

hereby declares under our sole responsibility that LINAK Actuator System for DESKLINE composed of:

Control Box(s)	CBD6Sa000bA-c09, (Where -a: can be P, C or H, -b: can be 2, 3 or 4 and -c: can be 0 or 7)
And Linear Actuator(s)	<b>LA31:</b> 31abcH-defff50S, (Where -a: can be 1, 3, 6 or 7; - b can be from 1 to 8, or A or B; - c can be from 0 to 4; - d can be 0 or 1; - e can be 0 or 1; - fff can be max 500)
Built in actuator(s)	<b>DB5, DB6, DB14:</b> DBabbcdffghhhiii, (Where: - a: can be 5, 6 or 14.; - b: can be 0, 1, 3 or 9; - c: can be 0, 1, B, L or S; - d: can be 0, 1 or 2; - e: can be 0, A, B or X; - f: can be 0, or A; - g: can be from 0, M, S or E; - hhh: can be from 000 to 675; - iii: can be from 000 to 630);
Lifting Column(s)	<b>Standard columns:</b> DLabodeffghhhiii, (Where: - a: can be 1A, 4S, 5, 6, from 8 to 12, from 14 to 21; - b: can be 0, 2, 3 or 5; - c: can be 0, A, B, D, W or x; - d: can be 0, 1, L, R or X; - e: can be A, B, D or X; - f: can be 0, N, M, P or x; - g: can be 0 or E; - hhh: can be from 600 to 1100; - iii: can be from 000 to 785); <b>DL12:</b> DL12abcdeffggghhh (where - a can be A or B; - b can be 0 or E; - c can be 0, L, R or X; - d can be A, B, D or X; - e can be 0 or M; - f can be 0 or E; - ggg can be max 1100; - hhh can be max 785) <b>DL7:</b> DL73a0b00470645 (where - a can be 0 or R; - b can be A, B, C or D) <b>DL2:</b> DL2abCcodeffggg (where - a can be 3, 6 or 7; - b can be from 0 to 3; - c can be A or B; - d can be 0, F or G, -e can be from 0 to 7; - fff can be from 300 to 500; - ggg can be from 445 to 655) <b>BASELIFT:</b> BASE1000A0F100100
Desk Panel(s)	DPA, DPB, DPH, DPF1K, DPF1M, DPF2K, DPF3K, DPF1C, DPF1D, DPF1U, DPF1W, DPF4T, DPG1K, DPG1M, DPG1B, DPG1C, DPT, DP1V01, DP1CS, DP1K, DP1U, DP2K, DP3K, DPN, DPWA
Accessories	BLE2LIN002, BLE2LIN003, DESK SENSOR 1, USB2LIN, DCconnector, CHUSB

Complies with EMC Directive **2014/30/EU** according to following standards:  
EN 61000-6-2:2005/AC:2005  
EN 61000-6-3:2007/A1:2011/AC:2012

Complies with Low Voltage Directive **2014/35/EU** according to the standard:  
EN 60335-1:2012+AC:2014+A11:2014+A13:2017+A1:2019 +A14:2019 +A2:2019  
EN 62233:2008 + AC:2008

Complies with RoHS2 Directive **2011/65/EU** and RoHS3 Directive **2015/863** (amending Annex II to Directive 2011/65/EU) according to the standard:  
EN 50581:2012

And the applicable Desk Panels and Accessories complies with the Radio Equipment Directive **2014/53/EU** according to the standards listed in the RED DoC for the individual radio products.

Additional information:

The system does also comply with the standard: EN 61000-6-2:2019 and EN 13849-1:2015 SRP/CS Cat. B, PL = b and SRESW PL = b  
Note 1: Exempted CBD6S with SW03003007 printed on the label.

Nordborg, 2021-11-24

**LINAK A/S**  
Dragan Macura  
Regulatory Compliance Manager  
Desklime and Homeline Segments  
Authorized to compile the relevant technical documentation

Original Declaration

## Misc. on the DESKLINE® Desk2Device USB Charger

This charger is developed for indoor use in offices. Do not use it in industrial kitchens or in other environments that have to be cleaned with aggressive detergents.

### Warranty

If a charger is found to be defective within 12 months from the production of the individual product as stipulated on the product label, LINAK will at its sole discretion offer cost-free repair or replacement, or credit such products. LINAK will only provide cost-free repair or replacement, or credit in so far as the equipment has been used and maintained correctly and has not been tampered with. Furthermore, the system must not be exposed to violent treatment. A loss of capacity over time must be expected. You can review the full terms of the LINAK warranty on the LINAK website [www.linak.com/warranty](http://www.linak.com/warranty).

### Maintenance

Clean dust and dirt on the outside of the system at appropriate intervals and inspect it for damage and breaks. Inspect the connections, cables, and plugs and check for correct functioning as well as fixing points.

### Service of double-insulated products



#### Class II

A Class II or **double insulated** electrical appliance is one which has been designed in such a way that it does not require a safety electric earth connection (US: ground).

The basic requirement is that no single failure can result in dangerous voltage becoming exposed so that it might cause an electric shock and that this is achieved without relying on an earthed metal casing. This is usually achieved at least in part by having two layers of insulating material surrounding live parts or by using reinforced insulation.

There is no earthing/grounding means provided on the product, and no earthing/grounding means is to be added to the product.

In Europe, a double insulated appliance must be labelled "Class II", "double insulated" or bear the double insulation symbol (a square inside another square).

Servicing a double-insulated product requires extreme care and knowledge of the system, and is to be done only by qualified service personnel. Replacement parts for a double-insulated product must be identical to the parts they replace.



**Cleaners and disinfectants must not be highly alkaline or acidic (pH value must be 6 to 8).**

# ETL-marking

Due to space limitations, the complete ETL-marking demands are not represented on the marking plates.

The full ETL Recognized Component markings are shown here.



**C/N 120690**

Conforms to UL962  
Cert. to CSA Std. C22.2 No. 68-09

ETL Recognized Component mark for Canada and United States



**C/N 9901916**

Conforms to UL962  
Cert. to CSA Std. C22.2 No. 68-09

ETL Recognized Component mark for Canada and United States



**C/N 4008003**

Conforms to UL962  
Cert. to CSA Std. C22.2 No. 68-09

ETL Recognized Component mark for Canada and United States



**C/N 4008004**

Conforms to UL962  
Cert. to CSA Std. C22.2 No. 68-09

ETL Recognized Component mark for Canada and United States



**C/N 4008005**

Conforms to UL962  
Cert. to CSA Std. C22.2 No. 68-09

ETL Recognized Component mark for Canada and United States



**C/N 4008671**

Conforms to UL962  
Cert. to CSA Std. C22.2 No. 68-09

ETL Recognized Component mark for Canada and United States



**C/N 4009507**

Conforms to UL962  
Cert. to CSA Std. C22.2 No. 68-09

ETL Recognized Component mark for Canada and United States

## Mounting the Desk2Device USB Charger

The Desk2Device USB Charger can be mounted either on top of or under the tabletop using one of the mounts and either the C-clamp or screws.

**Angled mount:** recommended if the charger is mounted on top of the tabletop at the rear end or the side of the desk. This makes it easier to access the outputs.

**Flat mount:** recommended if the charger is mounted underneath the tabletop close to the front of the desk.

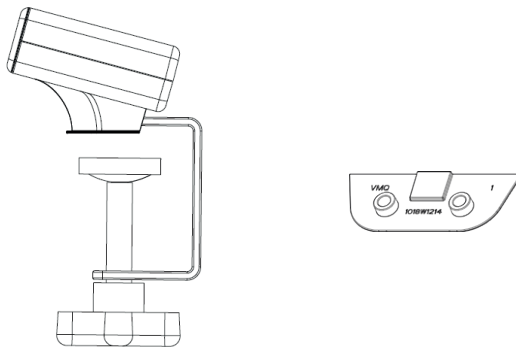


Angled mount



Flat mount

If the charger is mounted on top of the desk, the C-clamp may be used to avoid making screw holes in the tabletop.



*Desk2Device USB Charger with angled mount using the C-clamp and the rubber pad*

### 1. Mounting on top of the tabletop using the C-clamp:

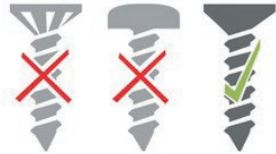
- 1.1. Place the rubber pad on the selected mount (angled or flat) to protect the tabletop and to keep the charger in place.
- 1.2. Insert the C-clamp into the mount.
- 1.3. Place the mount on the tabletop and fasten the C-clamp properly.
- 1.4. Click the charger onto the mount.

### 3. Mounting on top of the tabletop using screws:

- 3.1. Place the selected mount (angled or flat) on the tabletop with the smaller surface turned towards the tabletop and the straight side turned towards the edge of the table.
- 3.2. Use two 4 mm screws (90° countersunk) of appropriate length to fasten the mount to the tabletop.



Ensure that the screws do not penetrate the tabletop.



The screws must be fastened sufficiently without damaging the plastic.

- 3.3. Click the charger onto the mount.

### 4. Mounting underneath the tabletop using screws:

- 4.1. Place the selected mount (angled or flat) underneath the tabletop with the smaller surface turned towards the tabletop and the straight side turned away from the edge of the table.
- 4.2. Use two 4 mm screws (90° countersunk) of appropriate length to fasten the mount to the tabletop.
- 4.3. Click the charger onto the mount.

## Connecting

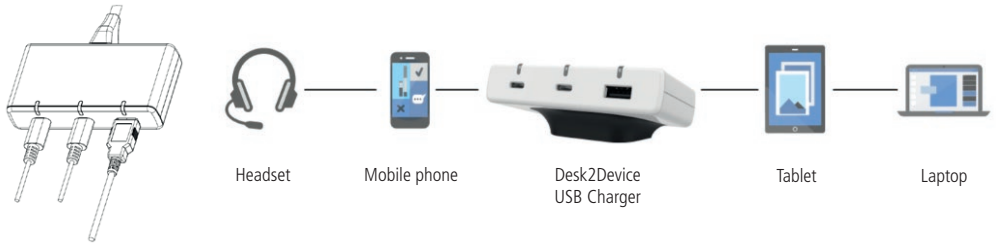
1. Disconnect the Control Box CBD6S from the mains.
2. Connect the charger to the DC port on the CBD6S using the DC bus cable.  
In case the dedicated cable CAB0965388 is used, connect the overmold end to the charger for an aesthetically pleasing appearance.



3. Connect the CBD6S to the mains.

# Operation

Simply connect a device to the Desk2Device USB Charger to charge the device.



The charger has an indicator light at each port.

Port	When lit
USB Type-A	Indicates a charging current is flowing from the charger to the connected device
USB Type-C	Indicates an active USB-C device is connected (an active cable, such as a USB Type-C to lightning cable)



The Desk2Device USB Charger is only to be used as a charger for typical office equipment – not as a permanent power supply. If it is used as permanent power supply, for example for a screen, it will reduce the lifetime of the CBD6S.

# Accessories and repair

## Ordering accessories

Order from your nearest LINAK® contact, distributor or subsidiary.

## Accessories

Please contact your nearest LINAK contact, distributor or subsidiary.

## Repairs

Systems should only be repaired by an authorised LINAK service centre or engineer. Systems to be repaired under warranty must be sent to an authorised LINAK service centre.



### **Warning!**

By unauthorised opening of the system there is a risk that it may malfunction at a later date.

## Spare parts

Please contact your nearest LINAK contact for information on spare parts.

## Disposal of LINAK product

As LINAK customers often ask us how our products can be disposed or scrapped we have prepared this guide that enables a classification to different waste fractions for recycling or combustion.

### Guide

We recommend our products to be disassembled as much as possible and divided into different waste groups for recycling or combustion.

For example, waste can be sorted into metals, plastics, cable scrap, combustible material, and recoverable resources.

Some of these main groups can be further divided into subgroups; e.g. metal can be divided into steel/aluminium/copper and plastic can be divided into ABS/PA/PE/PP.

As an example, the table below breaks down the different components in LINAK products to various recycling groups:

Product	Components	Recycling group
<b>Desk Frame</b>	Spindle and motor Plastic housing Cable PCB boards	Scrap Plastic recycling or combustion Cable scrap or combustion Electronics scrap
<b>Columns/ Actuator :</b>	Spindle and motor Plastic housing Cable PCB boards	Scrap Plastic recycling or combustion Cable scrap or combustion Electronics scrap
<b>Handset/Control :</b>	Plastic housing Cable PCB board	Plastic recycling or combustion Cable scrap or combustion Electronics scrap

By now almost all our cast plastic parts are supplied with an interior code for plastic type and fibre content, if any.

## Main groups of disposal

Product main groups	Metal Scrap	Cable scrap	Electronics scrap	Plastic recycling or combustion	Comments
<b>Desk2Device USB Charger</b>			X	X	
<b>Mount</b>				X	
<b>Cable</b>		X	X	X	

## Disposal of batteries

Details regarding safe disposal of used and leaking batteries:

Batteries should be disposed in accordance with appropriate federal, state and local regulations. LINAK recommends that used or leaking batteries are disposed through local recycling system. Please do not throw used or leaking batteries in normal household waste or in nature. This will cause damage to the environment.

### How to deal with leaking batteries

Leaking batteries should be disposed as described above.

If leaking batteries are discovered in the products, the batteries must be moved immediately to minimise damage to the product. If leaking batteries are left in the product it might become defect.

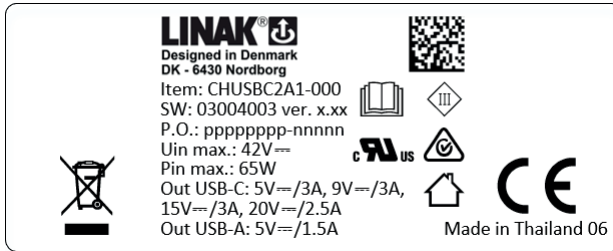
It is recommended to use plastic gloves when handling of leaking batteries. The contents of a leaking batteries can cause chemical burns and respiratory irritation.


If exposed to the contents of a leaking battery, please wash with soap and water. If irritation persists, please seek medical attention. In case of eye contact, please flush eyes thoroughly with water for 15 minutes and seek medical attention."



# Label

Label for Desk2Device USB Charger











**LINAK**   
Designed in Denmark  
DK - 6430 Nordborg

Item: CHUSBC2A1-000  
SW: 03004003 ver. x.xx  
P.O.: pppppppp-nnnnn  
Uin max.: 42V=  
Pin max.: 65W

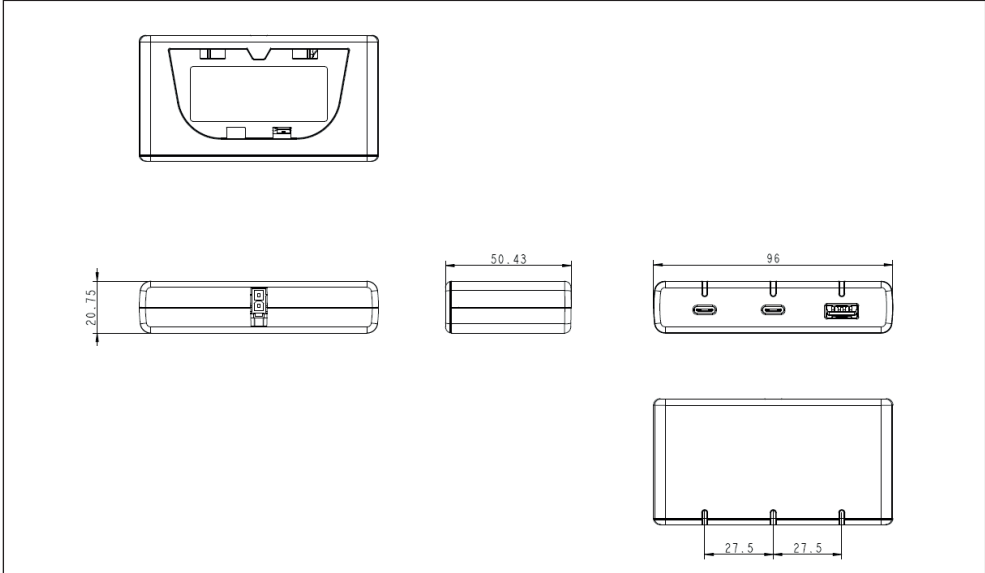
Out USB-C: 5V=  
15V=  
20V=  
9V=  
3A, 3A, 2.5A

Out USB-A: 5V=  
1.5A

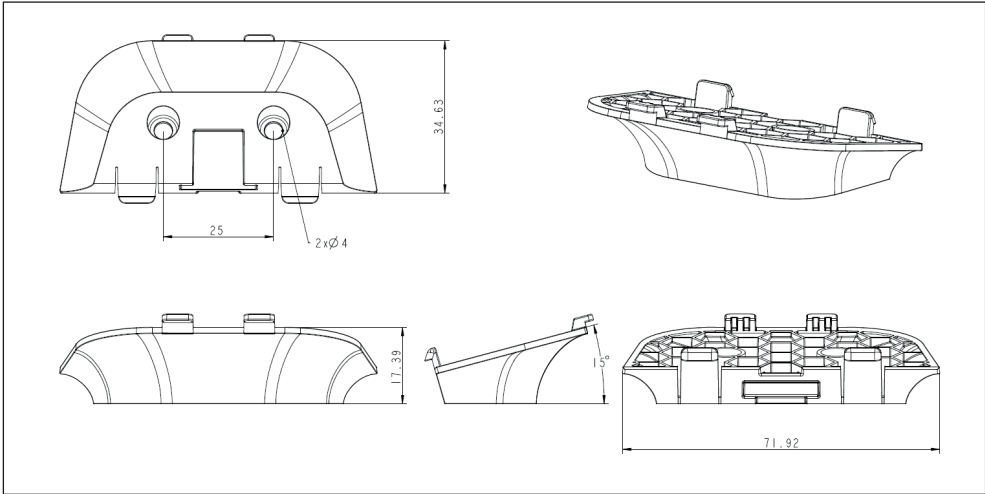
  
  
  
  
  
  
  
  
Made in Thailand 06

# Drawing appendix

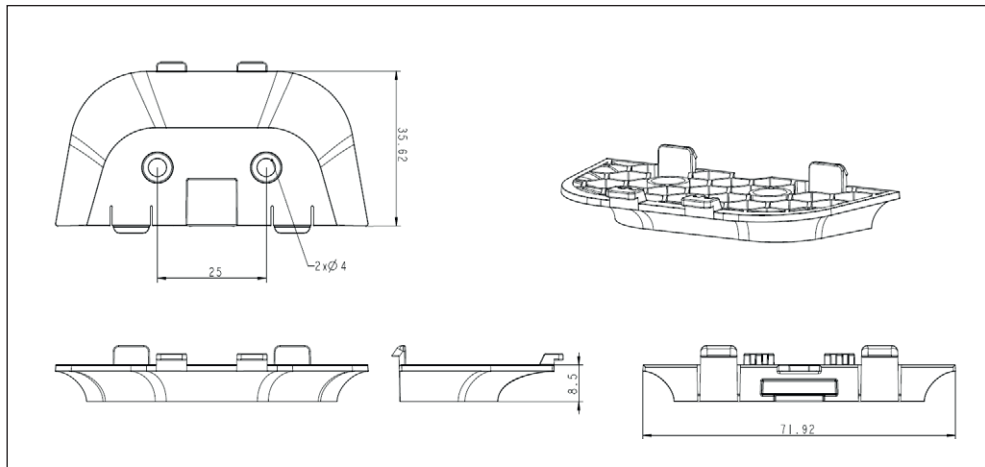
Desk2Device USB Charger



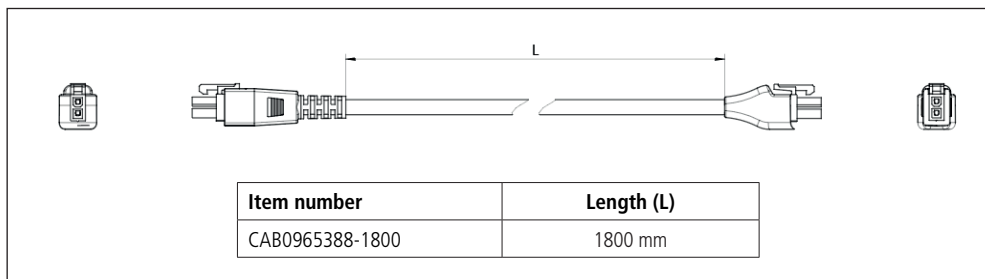
Angled mount



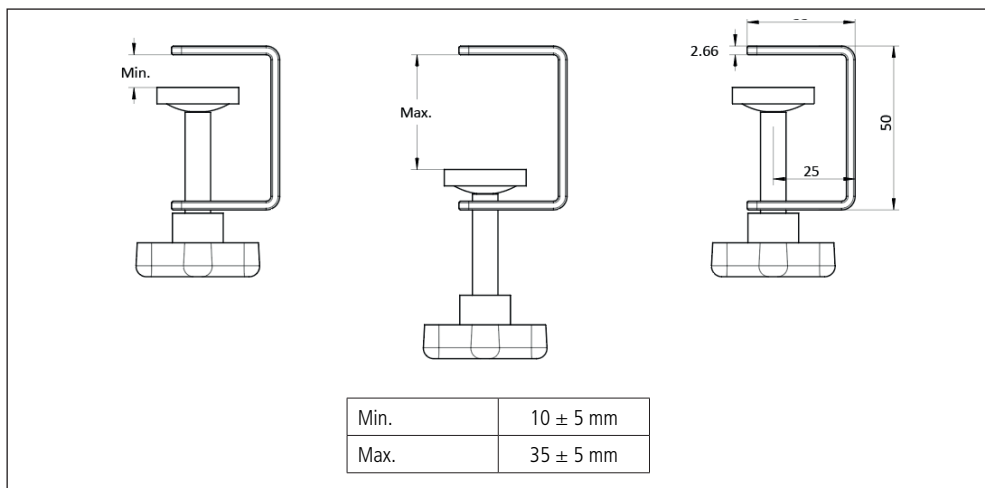
## Flat mount



## Dedicated cable



## C-clamp



## **LINAK APPLICATION POLICY**

The purpose of the application policy is to define areas of responsibilities in relation to applying a LINAK product defined as hardware, software, technical advice, etc. related to an existing or a new customer application.

LINAK products, as defined above, are applicable for a wide range of applications within the Medical, Furniture, Desk and Industry areas. Yet, LINAK cannot know all the conditions under which LINAK products will be installed, used, and operated, as each individual application is unique.

The suitability and functionality of the LINAK product and its performance under varying conditions (application, vibration, load, humidity, temperature, frequency, etc.) can only be verified by testing, and shall ultimately be the responsibility of the LINAK customer using any LINAK product.

LINAK shall be responsible solely that LINAK products comply with the specifications set out by LINAK and it shall be the responsibility of the LINAK customer to ensure that the specific LINAK product can be used for the application in question.

## FACTORIES

### • Denmark

LINAK A/S  
Group Headquarters  
Tel: +45 73 15 15 15  
Fax: +45 74 45 80 48  
Fax (Sales): +45 73 15 16 13  
[www.linak.com](http://www.linak.com)

### • Denmark

LINAK Profiles  
Tel: +45 73 70 95 30  
[www.linak-profiles.com](http://www.linak-profiles.com)

### • China

LINAK (Shenzhen) Actuator Systems, Ltd.  
Tel: +86 755 8610 6656  
Fax: +86 755 8610 6990  
[www.linak.cn](http://www.linak.cn)

### • Slovakia

LINAK Slovakia s.r.o.  
Tel: +421 51 7563 444  
Fax: +421 51 7563 410  
[www.linak.sk](http://www.linak.sk)

### • Thailand

LINAK APAC Ltd.  
Tel: +66 33 265 400  
[www.linak.com](http://www.linak.com)

### • USA

**LINAK U.S. Inc.**  
Americas Headquarters  
Tel: +1 502 253 5595  
Fax: +1 502 253 5596  
[www.linak-us.com](http://www.linak-us.com)

## SUBSIDIARIES

### • Australia

LINAK Australia Pty. Ltd  
Tel: +61 3 8796 9777  
Fax: +61 3 8796 9778  
[www.linak.com.au](http://www.linak.com.au)

### • Austria

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