Operating Manual

Technical Accessories

1 Safety	2 Hardware	3 Software

Part 2: Hardware, description of device for custo multi com

Operating characteristics:

Multifunctional
interface for
custo med systems

MHW 0016 – DK 1753
Version 001 – 20/08/2018

custo·med
EXCELLENCE IN DIAGNOSTICS

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The manufacturer reserves the right to change the information in this Operating Manual without prior notice. The current version can be downloaded from our website: www.customed.de.

CAUTION:
This Operating Manual is part of a modular system, consisting of three parts. All three parts must be downloaded from the Internet or from a CD to ensure the Operating Manual is complete.

Technical Accessories

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Part 2: Hardware, description of device for custo multi com

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2.1 Symbols used on the device

Manufacturer: custo med GmbH, Maria-Merian-Str. 6, 85521 Ottobrunn, Germany	
Production date (YYYY-MM, e.g. 2018-05)	
CE mark, notified body	
Observe the Operating Manual	
Non-ionising electromagnetic radiation, Device contains a HF transmitter	
Separate collection of electrical and electronic equipment, do not dispose with domestic waste	

2.2 Intended use

The custo multi com interface is used to connect custo med devices to a custo diagnostic workstation, e.g. to prepare ABPM or Holter ECG recorders for recording or to download recordings into the custo med system.

custo multi com has an infrared interface, an SD card slot and Bluetooth (internally connected Bluetooth adapter). custo multi com is connected to the custo diagnostic workstation via a mini USB cable and can be used there locally. Power is supplied via the PC.

The following custo med devices can be connected via custo multi com:
- custo screen 300/400/pediatric ABPM recorder
- custo flash 5xx Holter ECG recorder
- custo screen 400 Holter-ABPM system
- custo cardio 100/110/200/300/400 ECG devices with Bluetooth functionality

2.3   Part names, components

ⓐ custo multi com

ⓑ USB connection cable 2.0 1.8 m, A plug to mini B plug

2.4   Connection, putting into operation

2.4.1   Notes on handling custo multi com

custo multi com should be placed in the work area so that the infrared interface and the SD card slot are easily accessible to the user and the device can be used according to its intended purpose.

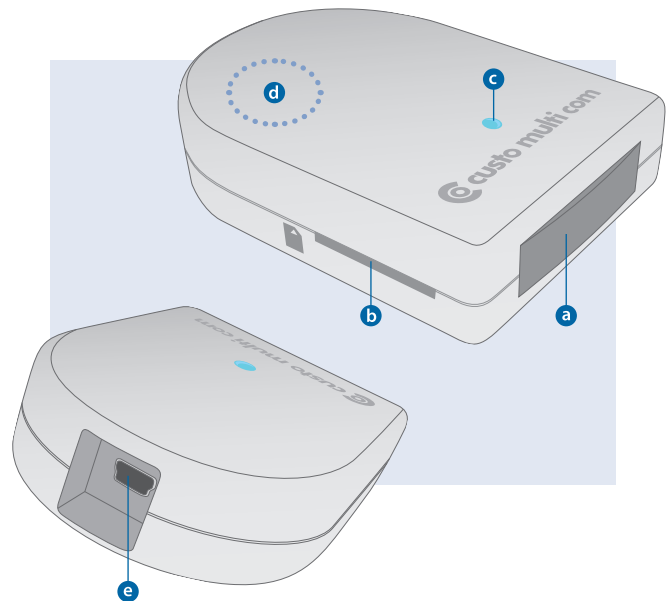During use, custo multi com should be placed on a stable, flat and non-conductive surface and it should not come into contact with conductive parts.

custo multi com must always be used in a well-ventilated environment and its housing must not be covered.

If custo multi com becomes soiled, wipe it dry with a soft, lint-free cloth only. Do not wet clean, no moisture must penetrate into the inside of the housing.

2.4.2 Function and control elements

a Infrared interface

b SD card slot
(adapter for mini SD cards required)

c LED status indication
(lights up blue during operation)

d Bluetooth adapter (installed in the housing)

e Mini USB port, connection to the PC

2.4.3 Putting into operation

CAUTION

Do not connect custo multi com to the PC until after the device driver has been installed. For existing systems, a subsequent driver installation is required; for new installations and current custo diagnostic versions, the custo multi com device driver is included in the custo diagnostic setup. Contact your authorised custo med distributor.

NOTE

Depending on the custo diagnostic version, it is possible that custo multi com is displayed in the custo diagnostic interface with the type designation custo com IR (previous infrared interface). The full range of functions is still available.

➤ Connect custo multi com to the PC (not to a hub)
using the supplied mini USB cable.

➤ The LED lights up blue (power supply).

➤ The device configuration in custo diagnostic can be carried out,
see *Part 3 Description of the software for custo multi com*.

2.5 Technical data

custo multi com

Interfaces	Infrared interface (IrDA standard)
	Standard SD card[1] (push/pull)
	Bluetooth 2.1 (typ. 10 m, depending on the ambient conditions)
Internal USB slots	2 USB 2.0 Highspeed
	(one with Bluetooth adapter)
Connection to the PC	USB 2.0 Highspeed (mini USB)
Power supply	via PC, according to USB specification
Current consumption	approx. 250 mA with connected devices
Dimensions	approx. 83 ∗ 54 ∗ 20 mm (L ∗ W ∗ H)
Weight	approx. 80 g
Software	Device driver included in the setup as of custo diagnostic 5.1,
	otherwise subsequent driver installation

1)   The write speed depends on the SD card

For the configuration of the custo diagnostic workstation, observe the chapter *"Technical data and system requirements"* in the Operating Manual of your custo med medical device (see the Hardware description).

2.6 List of product components and accessories

Set no.	Set name	Part no.	Qty.	Set/product designation
12172	custo multi com			
		12171	1	custo multi com
		16020	1	USB connection cable 2.0
				1.8 m, A plug to mini B plug