Care Pal Dongle

Thank you for purchasing an digiO2 product!

The Care Pal dongle is a Bluetooth dongle that integrates data from compatible Bluetooth-enabled sphygmometers, electrocardiograms, pulse oximeters, blood glucose meters, weighing scales, and thermometers.

Using the Care Pal dongle, data from these compatible medical devices may be sent to a paired PC via wireless and secured transfers.

Specifications

I/O port	USB 2.0
Storage capacity	32 MB for 30-day data storage
Bluetooth	4.0 class 2
LED indicators	2
Rating	5Vdc, 100mA
Supported OS	Windows® 8, Windows® 7, Windows® XP
Operation Environment	10~40C (50~104F), 10% to 95% RH
Storage Environment	-20~50C (-4~122F), 5% to 95% RH (Non-condensing)

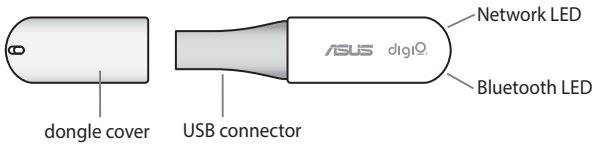
LED status indicators

Network LED

Color	Status
Blue	Network is online.
Orange	Network is offline.

Bluetooth LED

Color	Status
Blue	Bluetooth is enabled.
Orange	Bluetooth is disabled.



Installing the Care Pal dongle software

IMPORTANT! Ensure that your system runs .Net Framework 3.5 before installing the Care Pal dongle software. You may download this version via **www.microsoft.com/en-us/download/details.aspx?id=21#overview**

1. Turn on your computer or laptop then connect the Care Pal dongle to a USB 2.0 port.
2. Under **My Computer,** open the Care Pal dongle's storage drive then select **eHealthSetup.**
3. Choose **Yes** in the succeeding window to begin the installation process.

Using your Care Pal dongle

1. Turn on your laptop or computer.
2. Insert the Care Pal dongle in an available USB 2.0 port on your laptop or computer.
3. Turn on the bluetooth device you would like to pair with your Care Pal dongle.

IMPORTANT! Ensure that all the devices are within a 3-meter range from the dongle.

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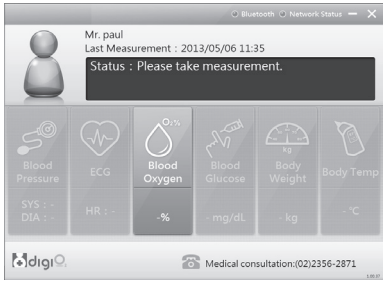
4. The following screen appears to prompt you to input your current data using the compatible bluetooth device.



Safety tips when using your Care Pal dongle

- Turn off the currently connected device before connecting a new device.
- Turn off your computer or laptop before removing the dongle.
- After turning off your computer or laptop, ensure that the dongle is also removed to avoid overwriting it with new data.

Troubleshooting

Problems	Cause	Suggested Actions
LED display does not light up	No power	Make sure that your PC is powered on.
Network LED display turns Orange	Network is offline	Check your PC network is workable.
Bluetooth LED display turns Orange	Bluetooth is disable	Unplug your dongle and insert it again.

Marks and Abbreviation

ISO 7010-M001 General mandatory action sign

ISO 7010-M002 Refer to instruction manual/booklet
NOTE: On ME EQUIPMENT “Follow instructions for use”

IEC 60417-5031 Direct current

WARNING – if the enclosure of this device is damaged, please do not use it, electrical shock hazard may occur.

WARNING - Do not modify this equipment without authorization of the manufacturer.

Accessory equipment connected to the analog and digital interfaces must be in compliance with the respective nationally harmonized IEC standards (i.e. IEC 60950 for data processing equipment, IEC 60065 for video equipment, IEC 61010-1 for laboratory equipment, and IEC 60601-1 for medical equipment.) Furthermore all configurations shall comply with the system standard IEC 60601-1-1. Anyone who connects additional equipment to the signal input part or signal output part is configuring a medical system, and is therefore, responsi¬ble that the system complies with the requirements of the system standard IEC 60601-1-1. The unit is for exclusive interconnection with IEC 60601-1 certified equipment in the patient environment and IEC 60XXX certified equipment out¬side of the patient environment. If in doubt, consult the technical services department or your local representative.

Cleaning Instructions

- Wipe with a dry cloth

Disposing of your old product
Within the European Union

EU-wide legislation, as implemented in each Member State, requires that waste electrical and electronic products carrying the mark (left) must be disposed of separately from normal household waste. This includes monitors and electrical accessories, such as signal cables or power cords. When you need to dispose of your display products, please follow the guidance of your local authority, or ask the shop where you purchased the product, or if applicable, follow any agreements made between yourself. The mark on electrical and electronic products only applies to the current European Union Member States.

Guidance and manufacturer's declaration – electromagnetic immunity			
The model CPW-103 is intended for use in the electromagnetic environment specified below. The customer or the user of the model CPW-103 should assure that it is used in such an environment.			
Immunity test	**IEC 60601 test level**	**Compliance level**	**Electromagnetic environment – guidance**
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines ±1 kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV line(s) to line(s) ±2 kV line(s) to earth	±1 kV line(s) to line(s) ±2 kV line(s) to earth	Mains power quality should be that of a typical commercial or hospital environment.
interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % *UT* (>95 % dip in *UT*) for 0,5 cycle 40 % *UT* (60 % dip in *UT*) for 5 cycles 70 % *UT* (30 % dip in *UT*) for 25 cycles <5 % *UT* (>95 % dip in *UT*) for 5 sec	<5 % *UT* (>95 % dip in *UT*) for 0,5 cycle 40 % *UT* (60 % dip in *UT*) for 5 cycles 70 % *UT* (30 % dip in *UT*) for 25 cycles <5 % *UT* (>95 % dip in *UT*) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the model CPW-103 requires continued operation during power mains interruptions, it is recommended that the model CPW-103 be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE *UT* is the a.c. mains voltage prior to application of the test level.			

Guidance and manufacturer's declaration – electromagnetic emissions		
The model CPW-103 is intended for use in the electromagnetic environment specified below. The customer or the user of the model CPW-103 should assure that it is used in such an environment.		
Emissions test	**Compliance**	**Electromagnetic environment – guidance**
RF emissions CISPR 11	Group 1	The model CPW-103 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The model CPW-103 is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable	

Recommended separation distances between portable and mobile RF communications equipment and the model CPW-103			
The model CPW-103 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the model CPW-103 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the model CPW-103 as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter W	**Separation distance according to frequency of transmitter** m		
	150 kHz to 80 MHz $d = 1{,}2\sqrt{P}$	**80 MHz to 800 MHz** $d = 1{,}2\sqrt{P}$	**800 MHz to 2,5 GHz** $d = 2{,}3\sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance *d* in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where *P* is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer. NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			

Guidance and manufacturer's declaration – electromagnetic immunity			
The model CPW-103 is intended for use in the electromagnetic environment specified below. The customer or the user of the model CPW-103 should assure that it is used in such an environment.			
Immunity test	**IEC 60601 test level**	**Compliance level**	**Electromagnetic environment – guidance**
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable and mobile RF communications equipment should be used no closer to any part of the model CPW-103, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended separation distance** $d = 1{,}2\sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	$d = 1{,}2\sqrt{P}$ 80 MHz to 800 MHz $d = 2{,}3\sqrt{P}$ 800 MHz to 2,5 GHz where *P* is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and *d* is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site

			survey, [a] should be less than the compliance level in each frequency range. [b] Interference may occur in the vicinity of equipment marked with the following symbol: 

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption

and reflection from structures, objects and people.

[a] Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the model CPW-103 is used exceeds the applicable RF compliance level above, the model CPW-103 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the model CPW-103.

[b] Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

FCC Statement-Potential for Radio/Television Interference
(for U.S.A. only)

- This product has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. The product generates, uses, and can radiate radio frequency energy and, if not used in accordance with the instructions, may cause harmful interference to radio communications.
- However, there is no guarantee that interference will not occur in a particular condition. If the product does cause harmful interference to radio or television reception, which can be determined by turning the product on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

  (a) Reorient or relocate the receiving antenna

  (b) Increase the separation between the product and the receiver.

  (c) Connect the product into an outlet on a circuit different from that to which the receiver is connected.

  (d) Consult the dealer or an experienced radio/TV technician for help.

Federal Communications Commission (FCC) Statement

15.21
You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
1) this device may not cause interference and
2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
End users must follow the specific operating instructions for satisfying RF exposure compliance.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.