


User Manual

Inteliforz Pod 2.3 (5 GHz)

 IMPORTANT:
Read this manual before you start using the product

Failure to comply with these instructions may result in injury or damage to the product and harm the environment

Keep the manual in a safe place for future reference



Inteliforz Pod 2.3 for hand and wrist activity tracking Pod 2.3 Model 22-134

1. General

This User Manual is for the Inteliforz Pod. It contains important information about initial use and operation.

Read this user manual carefully before you start using the Inteliforz Pod. It contains important instructions for the safety and use of the product.

Keep this user manual in a safe place for future reference.

2. Symbol legend

The following symbols and keyword are used in this manual, on the Inteliforz Pod or on the packaging.



Declaration of Conformity. Products marked with this symbol meet all applicable community stipulations by the European Economic Area.



Declaration of Conformity. Products marked with this symbol meet all applicable community stipulations as brought into UK law and amended



Indicates the disposal method. Waste electrical equipment may not be disposed of with domestic rubbish. Correct disposal prevents any negative impact on the environment.



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4. Identification

4.1. Product description

Product brand:	Inteliforz Pod 2.3
Item description:	Inteliforz Pod
Part number:	22-134

4.2. Declaration of conformity

Hereby, Ansell Healthcare Europe declares that the radio equipment type Inteliforz Pod 2.3 is in compliance with Directive 2014/53/EU and is compliant to the Radio Equipment Regulations 2017 as amended to apply in Great Britain.

The full text of the EU and UKCA declaration of conformity is available at the following (internet) address:

Ansell Healthcare Europe N.V.

Riverside Business Park, Block J - Boulevard International 55 - B-1070 Brussel - Belgium
info@ansell.eu | www.ansell.eu

Ansell (U.K.) Limited

Block C, Willerby Hill Business Park – Willerby –Hull - HU10 6FE - United Kingdom
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5. Intended use

Intended use

The Inteliforz product series offers wearable technology for the hand, wrist, back and shoulder that provides real-time, measurable data and insights around risky movements to prevent work-related musculoskeletal disorders injuries.

The Inteliforz Pod collects hand and wrist movement real-time, data are processed when placed in the Charging Station/Charging Tower, uploaded to the cloud and made available to the user.

This Pod is intended for use with the Inteliforz Handwrap, Inteliforz Charging Station and Inteliforz Charging Tower only.

Only use the Pod as described in the User Manual. Any other use will be deemed improper and may result in severe injury or damage the product.

The manufacturer will not accept any liability for damage caused by improper use. Improper use will make the guarantee void.

Limitations of use

- Avoid immersion in water
- Only charge with the Inteliforz Charging Station or Inteliforz Charging Tower

6. Safety instructions and hazard warnings



Danger

Electric shock hazard!

- Do not open or force the housing of the Inteliforz Pod with a metal piece.



Attention

Risk of damage!

- Do not use any sharp or pointed objects to open the packaging, This could damage the Inteliforz Pod.
- Incompatible batteries can cause serious injuries or damage to your phone
- Never place batteries or phones on or in heating devices, such as microwave oven or radiator. Batteries may explode when overheated.
- Use only approved accessories. The use of unauthorized accessories may damage your device or cause a safety risk.

7. Product description

7.1. Scope of supply

Package includes:

The package could be for a single pod or it could be multiple pods at a time. The pod comes ready to use, it just needs to be charged before use.



Ansell Inteliforz™ Pod

LED Color	What it Means?
Blue	Device is on
Green	Device is connected to Wi-Fi and uploading data
Purple	Device is charging and not connected to Wi-Fi
Red	Device hardware failure OR battery is less than 10%
White	Device is connected to Wi-Fi and no data on memory or device memory is full

8. Specifications

8.1. Construction

The pod is 43 mm long, 34 mm wide, 10 mm thick and weighs 17 grams.

Pod Electronics Characteristics	
Working Voltage	Max 5V±5%
Working Current	Avg. 13mA
WIFI Channel Frequency	2.4G & 5.0G
Power off Current	20µA
Charging Current	80mA
Battery Charging Time	<2.5 hours
Battery Life (continuous working time)	11 hours

Temperature Accuracy	±1°C
Humidity Accuracy	3%
Pressure Accuracy	±1.5pa/k
Gyroscope Specifications	±2000°/s, 1% sensitivity
Accelerometer Specifications	±16g, 1% Sensitivity
Magnetic Sensor Specifications	±1000uT dynamic range, <0.1%FS Ultra -low hysteresis
ESD Protect	5kv
WiFi Communication Distance	>15m
Working Temperature	-20°C ~ 60°C
Application FW Version	G3-A.P.02.13

Battery Specifications and Features

Mechanical Form Factor	30 x 21 x 3mm
Battery Type	Lithium polymer rechargeable battery
Battery Capacity	3.7V DC, 150mAh
Protection	Over current and short
Working Environment	-20°C ~ 60°C

Mechanical Form Factor	Φ4.8 x 2.5mm
Battery Type	Lithium rechargeable battery
Battery Capacity	3V, 2.3mAh

Wifi Specifications

Work Frequency	2412 - 2472MHz & 5180 - 5825MHz
Transmit Power	13 dBm transmit output power
Supported Data Rates	6, 9, 12, 18, 24, 36, 48, 54Mbps
Working Temperature	-20°C ~ 60°C
Storage Temperature	-40°C ~ 85°C
Receive Current	20mA (with ideal DC-DC converter)
Transmit Current	230mA peak current in TX (13dBm)

9. Installation guide

When the pod is initially removed from its packaging, it needs to be plugged into the charger to charge. Our recommendation is to leave the pod in the charger overnight for the first charging session.

The pod is pre-programmed to connect to a Wi-Fi with WPA-2 personal network broadcast. The credentials must be defined as follows:

SSID: modjoul_1
 Password: BW489A600365

After the first connection, the local admin can change the network name (SSID) and password to match the facility's WIFI. The broadcast SSID should NOT be a hidden network.

10. Operating instructions

Step 1: Pick-up your assigned pod from the charging port.



Step 2: Pick-up hand wrap, insert the pod into the hand wrap pocket pointed end first, and secure the hand wrap on your hand



Step 3: Return the pod to the same port after your shift



In general use, the pod is “always on.” To use, remove it from the charger, insert it into the Inteliforz hand wrap or glove with pocket, and go about your normal routine. At the end of the shift, remove the pod from the hand wrap or glove and insert into the charger. When it is charging the wifi chip will activate and upload the data across the local network to the cloud.

DEEP SLEEP State

The Pod default state is DEEP SLEEP. Under this state, all the peripherals and functions for the system micro power consumption are closed. When the Pod is disconnected from the charger, press and hold the button for at least 12s to enter into deep sleep (button can be released after LEDs turn off). When the Pod is connected to the charger, press and hold the button for at least 12s (button can be released after LEDs turn off) to enter into suspended (idle) mode. In this mode, the Pod can be charged only.

SUSPENDED State

In this mode, the Pod LEDs and WiFi radio are OFF. When the Pod is connected to the charger, press and hold the button for at least 12s to enter into the suspended state.

NORMAL State

From DEEP SLEEP State, use one of the following 2 methods to enter into NORMAL State.

Method 1: Press and hold the button for 3s.

Method 2: Plug the Pod into the charger.

From SUSPENDED State, remove the Pod from the charger to enter into NORMAL State. Once powered on, the Pod automatically collects motion posture and environmental data, and stores them in Flash.

Wi-Fi hotspot device (MiFi) with WPA-2 personal network broadcast. The credentials must be defined as follows:

SSID: modjoul1

PW: BW489A600365

The broadcast SSID should NOT be a hidden network.

When the Pod is plugged into the Charger, the Pod will automatically connect to AWS IoT core and update data.

CHARGING State

The Pod will enter into CHARGING State when it is plugged into Charging Station or Tower that is connected to a Power Supply. While not in SUSPENDED State, the Pod can upload data via WiFi while connected to the charger.

ERASE DATA State and PERIPHERALS TEST

In NORMAL State or CHARGING State, perform the following button actions to perform data erase and peripherals test.

Step 1: Press and hold the button for at least 5s, but release prior to 10s.

Step 2: Immediately following the release of the button in the previous step, press and release the button 3 times quickly within 5s.

When the 2 Steps above are performed, the Peripherals Test will commence, and the Pod memory will be completely erased.

SYSTEM RESET

The Pod can perform a System Reset using the following methods:

Method 1: Connect or disconnect the Pod to/from a Charging Station.

Method 2: Remove the Pod from DEEP SLEEP State

Method 3: Remove the Pod from SUSPENDED State

Method 4: Place the Pod into ERASE DATA State, which also performs the Peripherals Test

Use one of the System Reset methods from the section above as a troubleshooting guide for when the Pod is acting in an uncharacteristic manner.

Pod State	Operation	Status	
		LED	Motor
Deep Sleep	While disconnected from charger, press and hold	OFF	OFF

	the button for at least 12s (release button after Pod LEDs turn off)		
Suspended State	While connected to charger, press and hold button for at least 12 seconds (release button after Pod LEDs turn off)	OFF	OFF
Normal	Pod disconnected from charger	ON blue	OFF
	Press and hold the button for 1s	ON blue	Vibrate 1s
Send Data	Pod connected to charger	ON green	Off
	While Pod connected to charger, press and hold the button for 1s	ON green	Vibrate 1s
Send Data Complete	Pod connected to charger	ON white	OFF
	While Pod connected to charger, press and hold the button for 1s	ON white	Vibrate 1s
Charging	Place in charger	ON purple	OFF
	While Pod connected to charger, press and hold the button for 1s	ON purple	Vibrate 1s
Erase Data and Peripherals Test	Pod connected or disconnected to/from charger: Step 1: Press and hold the button for at least 5s, but release prior to 10s. Step 2: Immediately after completion of Step 1, press and release the button 3 times quickly within 5s	Two seconds each in following order: Turn Green -> Red -> Blue -> Purple	Vibrate 2s
Warning (Low Battery <10%)		ON red	OFF
System Reset	Method 1: Connect or disconnect the Pod to/from a Charging Station. Method 2: Remove the Pod from DEEP SLEEP State Method 3: Remove the Pod from SUSPENDED State Method 4: Place the Pod into ERASE DATA State, which also performs the Peripherals Test	Various (refer to above states)	Various (refer to above states)

11. Troubleshooting

	Problem	Possible cause	Solution
1.	The LED is dark	The battery has run out of charge	Put on the charger for at least 2 hours
2.	The LED is dark and it stays dark after 5 minutes	The battery or electronics have failed	Contact Inteliforz customer service

	on the charger		
3.	The pod LED is frozen, i.e. stays the same color when put on the charger	The firmware has locked up	Hold the button for hardware reset as instructed above or leave pod off charge until the battery drains, then plug back in

12. Maintenance and cleaning

Pod 2.3 doesn't require any maintenance and can be cleaned with common cleaning wipes or with an 60+% alcohol cleaning spray.

13. Information security and data privacy

The pod collects hand movement related data, and environmental data but not location data or user health data. This data is uploaded to the cloud in a batch fashion at the end of the day, following appropriate security and privacy protocols.

Scan the QR Code on the back of the Pod for information security and data privacy details contained in the End-User License Agreement (EULA). For a hard copy of the EULA, please contact Inteliforz.Customer.Service@Ansell.com.

14. Geographical information

This product can be used, without any limitations, in all countries where this product is sold by the manufacturer or a legal representative of the manufacturer.

15. Warranty and Guarantee

The warranty of this product can be found in your Inteliforz agreement.

The manufacturer will not accept any liability for damage caused by improper use. Improper use will make the guarantee void.

16. Service information and Repairs

Repair work may only be carried out by qualified professionals. Only the manufacturer may make modifications.

We will be happy to repair any defects or damage to the product. Please contact our Customer Service: Inteliforz.Customer.Service@Ansell.com

17. Supplier

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18. Disposal/Recycling

Waste electrical equipment may not be disposed of with domestic rubbish.

The pod is sealed in such a way that opening renders it ineffective. One way to open the pod is to put in a vise, end-to-end, and slowly increase pressure on the pod until the weld line cracks. When the pod has been opened, the battery can be removed by cutting the two wires between it and the component board. The battery may then be recycled or disposed according to appropriate directives.



DISPOSING OF APPLIANCE AND BATTERY PACK

Do not dispose of the appliance or its battery pack via household trash!

Take the appliance and the battery pack to the appropriate recycling points for separate disposal.

This product is labelled in accordance with Directive 2012/19/EU on Waste Electrical and Electronic Equipment- WEEE). The Directive provides for the return and recycling of waste equipment throughout the EU.

Recycling

Separate packaging and the electrical product by material type for disposal.