

iX Controller MK 6

Installation and Operation Guide



Legal Notice

The company disclaims all liability and warranties in relation to this manual, including warranty of merchantability, fitness for particular purpose and accuracy, and may amend it without further notice.

Trademarks

All trademarks or registered trademarks are the property of their respective owners.

Contact Support

You can contact Phase One Technical Support directly by creating a support case at <https://support.phaseone.com/>

Visit <https://geospatial.phaseone.com/> for additional information.



Copyright © 2024 Phase One. All Rights Reserved.

Doc No. 80115000 Rev 1.2 iX Controller MK 6 Installation and Operation Guide 19/03/2024

Table of Contents

1	Introduction	5
1.1	Scope.....	5
1.2	Applicable Documents.....	5
2	iX Controller MK 6 Hardware Overview.....	6
2.1	General.....	6
2.2	Front Panel Description.....	7
2.3	iX Controller MK 6 Power Outputs Overview.....	7
2.4	Configuration Options.....	8
2.5	Software.....	8
2.5.1	iX Flight Pro.....	8
3	Unboxing the iX Controller MK 6.....	9
3.1	Product Identification.....	9
4	Connecting System Cables to the iX Controller MK 6.....	10
4.1	iX Controller MK 6 Power Cable (P/N 73286000).....	10
4.2	Grounding Cable.....	11
4.3	Disassembling the USB Cable Bracket.....	11
4.4	Connecting iX Controller MK 6 - iX Camera Cables	12
4.4.1	iX Controller MK 6 - Camera Power Cable (P/N 70364000).....	12
4.4.2	iX Controller MK 6 - Camera I/O Cables (P/N 75010000).....	13
4.4.3	iX Controller MK 6 - Camera Images/Data Cables.....	13
4.5	Connecting Monitor Cables.....	14
4.5.1	iX Controller MK 6 - Pilot Monitor Cable (P/N 75098490).....	15
4.5.2	iX Controller MK 6 - Operator Monitor Cable (P/N 75098530).....	15
4.6	Keyboard and Mouse.....	15
4.7	Reassembling the USB Cable Bracket.....	16
4.8	iX Controller MK 6 - Mount COM Cable (P/N 73260000 / 73285000 / 73293000).....	16
4.9	External IMU	17
4.10	PPS Output.....	17
4.11	Antenna Cable (P/N 76014600).....	18
5	Powering up the iX Controller MK 6.....	19
6	iX Controller MK 6 Storage.....	20
6.1	Disk Management.....	20
6.2	Locking the Carrier.....	20
6.3	Removing the SSD Drive Carrier.....	21
6.4	Inserting the SSD Drive Carrier.....	21
7	Operating the iX Controller MK 6.....	22

7.1	Powering Equipment.....	22
7.2	Using iX Flight Pro.....	22
7.3	Using iX Capture.....	22
7.4	Controlling iX Controller MK 6 Power Ports.....	22
7.4.1	Controlling iX Controller MK 6 Power Ports through iX Flight Pro.....	22
7.4.2	Controlling iX Controller MK 6 Power Ports through iX Capture.....	22
8	Shutting Down the iX Controller MK 6.....	23
9	Troubleshooting.....	24
9.1	General Faults.....	24
9.2	iX Controller MK 6 POST Beep Codes.....	24
10	Maintenance.....	25
10.1	Replacing SSD Drives.....	25
Appendix A Technical Data.....		26
A.1	Physical Dimensions.....	26
A.2	iX Controller MK 6 Weight.....	26
A.3	Power Input Specifications.....	26
A.3.1	Power Requirements.....	26
A.3.2	Power Consumption.....	26
Appendix B Connecting the iX Controller MK 6 – Operator Monitor Cable to the Monitor.....		27
Appendix C Declaration of Conformity.....		29

1 Introduction

1.1 Scope

This manual describes how to install the iX Controller MK 6 as follows:

- Section 2 - What's in the Box
- Section 3 - Overview
- Section 4 - Connecting Cables and Peripherals
- Section 5 - Powering up the iX Controller MK 5
- Section 6 - iX Controller MK 5 Storage
- Section 7 - Operating the iX Controller MK 5
- Section 8 - Shutting Down the iX Controller MK 5
- Section 9 - Troubleshooting
- Section 10 - Maintenance
- Appendix A - Technical Data
- Appendix B - Connecting the iX Controller MK 6 – Operator Monitor Cable to the Monitor
- Appendix C - Declaration of Conformity

1.2 Applicable Documents

Item	Manual
Applanix AP+	APX-15 User Guide
Phase One/Applanix	GNSS Configuration Guide for PAS Systems
Phase One iX Controller MK 6	Connecting to the iX Controller Using Remote Desktop Connection
Phase One iX Flight Pro	iX Flight Pro Operation Guide
Phase One iX Process	iX Process Operation Guide
Phase One iXM Cameras	Refer to your camera operation guide for your specific camera.

2 iX Controller MK 6 Hardware Overview

2.1 General

The iX Controller MK 6 is a new generation of aerial controller. This robust command center onboard the aircraft is designed for smooth performance of geospatial project missions. A preconfigured precision GNSS AP+ card is integrated inside the controller.

The controller has the following main ports:

- ports for transferring data between the iX Controller MK 6 and cameras, external IMU and an antenna.
- standard aircraft power in port.
- 2 DP and 1 HDMI ports for connecting monitors.
- three Ethernet ports
- antenna port

A high-capacity data storage SSD tray (factory provided with two 2 TB or 4 TB SSD drives) can be easily accessed or removed for rapid transfer of images and telemetry data.

2.2 Front Panel Description

The following figure and table show the iX Controller MK 6 front panel items:



- | | |
|---|----------------------------|
| 1. Antenna port | 14. 28 VDC port (power in) |
| 2. AUX port (PPS Output) | 15. IMU port |
| 3. GNSS LED | 16. 10GbE SFP+ ports (x4) |
| 4. SSD carrier eject button | 17. I/O port |
| 5. SSD carrier keylock | 18. DP ports (x2) |
| 6. SSD drive activity LEDs | 19. Power out ports (x3) |
| 7. SSD drive carrier | 20. HDMI port |
| 8. COM port | 21. USB 3 ports (x6) |
| 9. On/Off pushbutton | 22. USB cable bracket |
| 10. Auxiliary circuit breaker (power out ports) | 23. Ethernet ports (x3) |
| 11. GNSS AP+ (internal) LED | 24. Power out ports (x3) |
| 12. Main circuit breaker | 25. SSD carrier key |
| 13. Main power LED | |

2.3 iX Controller MK 6 Power Outputs Overview

Note

Only Phase One approved equipment should be connected to the six power out ports.

The Auxiliary power circuit breaker controls power to the six power ports. Each set of power ports can be software-controlled using iX Capture and iX Flight Pro.

2.4 Configuration Options

The iX Controller MK 6 with its internal GNSS supports connection to the following IMUs for a range of orientation accuracies:

- Applanix IMU 79 - internal
- Applanix IMU 69 - external
- Applanix IMU 82 - external
- Applanix IMU 91 - external
- Applanix IMU 57 - external

Note

- Each of the above configurations requires a license.
- All GNSS-enabled configurations are provided with the Trimble AV39 FAA certified GNSS antenna.
- All GNSS-enabled configurations are provided with an interface cable between the iX Controller MK 6 and the external IMU.
- If you will be using an external IMU, it should be mounted on the pod plate as follows:
 - X axis - towards flight direction
 - Y axis - towards the right wing

If you cannot mount the IMU in these directions, you will need to configure the rotation around the Z axis accordingly as described in the GNSS Configuration Guide for PAS Systems.

- You can also use the following external GNSS solutions:
 - Applanix POS AVX 210
 - Applanix POS AV V6

For more information, refer to the GNSS Configuration Guide for PAS Systems.

2.5 Software

2.5.1 iX Flight Pro

iX Flight Pro uses iX Plan data to manage and guide the precise execution of aero-photography flight. Using the pilot and operator monitors, the pilot can easily maintain precise trajectory by following altitude and localizer instructions, while the operator manages the flight, controls the order of passes, tags images and start/stops image collection.

For detailed information on using iX Flight Pro, see the iX Flight Pro Operation Guide.

Note

- iX Flight Pro and license is available from Phase One.
- To process images captured with iX Flight Pro, use iX Process available from Phase One.

3 Unboxing the iX Controller MK 6

Verify that all parts were supplied according to the specific packing list for your iX Controller MK 6.

3.1 Product Identification

To enable support for your iX Controller MK 6, you must identify and record the serial number located on the left panel.

4 Connecting System Cables to the iX Controller MK 6

This section describes how to connect the power and various system components to the iX Controller MK 6.

Warning

The power ports support only equipment approved Phase One, such as cameras, external GNSS and monitors. Other equipment must not be connected to the iX Controller MK 6.

4.1 iX Controller MK 6 Power Cable (P/N 73286000)

Warning

- The iX Controller MK 6 has been tested and certified for connection to a 28 VDC power supply. Installation on aircraft with other power supplies is not recommended unless special measures are taken to provide the iX Controller MK 6 with a 28 VDC supply.
- On the aircraft side, a 15 A circuit breaker must be installed on the 28 VDC power supply.

To connect the iX Controller MK 6 power cable to the iX Controller MK 6:

1. Connect the open end of the power cable to the aircraft power supply as follows:

Caution

Before connecting the power cable to the aircraft power supply, verify voltage polarity.

PAS Power Cable Polarity

Wire	Polarity
Red	+
Black	GND

2. Connect the power cable with the LEMO connector to the iX Controller MK 6 28 VDC port.



4.2 Grounding Cable

Connect a grounding cable (not supplied by Phase One) as follows:

1. Connect one end of the grounding cable to the uncoated underside of one of the attachment panels.



2. Connect the other end to the aircraft frame.

4.3 Disassembling the USB Cable Bracket

The USB cable bracket secures the USB cable hoods to the iX Controller MK 6.

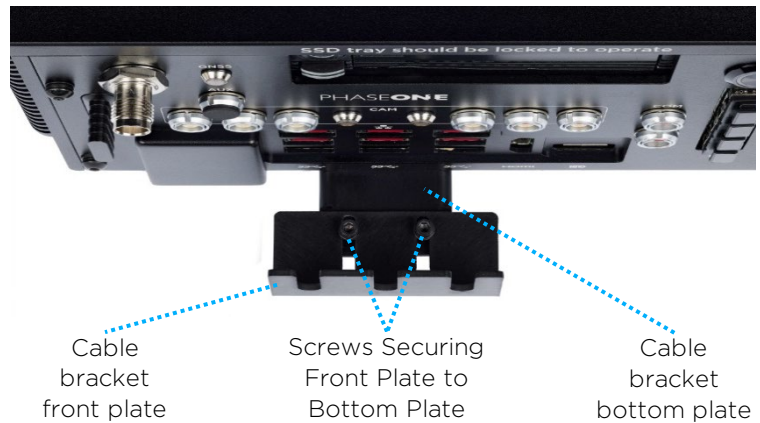
Before connecting or removing any USB cables, you must disassemble the cable bracket front plate, and in some cases reposition the cable bracket bottom plate, as described in this section.

Note

It is recommended to connect all required USB cables (camera, pilot monitor, operator monitor, keyboard/mouse) to the iX Controller MK 6 before reassembling the USB cable bracket.

To disassemble the USB Cable Bracket:

1. Using a 2.5 mm hex key, remove both screws securing the USB cable bracket front plate to the cable bracket bottom plate.



2. Remove the cable bracket front plate, the screws and washers and set them aside in a safe place.

4.4 Connecting iX Controller MK 6 - iX Camera Cables

4.4.1 iX Controller MK 6 - Camera Power Cable (P/N 70364000)

The iX Controller MK 6 - Camera power cable provides power to the iX camera.

To connect iX Controller MK 6 - Camera power cables:

1. Connect one end of the iX Controller MK 6 - Camera power cable to an iX Controller MK 6 power port.



2. Connect the other end of the cable to the iX camera power port.
3. Repeat for additional cameras.

4.4.2 iX Controller MK 6 - Camera I/O Cables (P/N 75010000)

The iX Controller MK 6 - Camera I/O cable transfers trigger, camera ready, black reference and MEP signals between the iX Controller MK 6 and the iX camera. In addition, it provides metadata to the camera.

To connect the iX Controller MK 6 - Camera I/O cables:

1. Connect one end of the iX Controller MK 6 - Camera I/O cable to the iX Controller MK 6 I/O port.



2. Connect the other end to the camera left I/O port.

Note

For I/O connections on additional cameras, use a Phase One camera to camera multisync cable (PN 75007000) ordered separately.

4.4.3 iX Controller MK 6 - Camera Images/Data Cables

You can transfer the images and associated data between iX Controller MK 6 and the iX cameras for storage on the SSD using either of the following methods:

- SFP+ cables (not supplied by Phase One) - up to 4 cameras can be connected.
- USB cables

Note

Only use one method for transferring images - either SFP+ or USB. Do not use both methods simultaneously.

4.4.3.1 Connecting SFP+ Cables

To connect the iX Controller MK 6 - Camera SFP+ cables:

1. Connect one end of the iX Controller MK 6 - Camera SFP+ cable to the iX Controller MK 6 SFP+ port.



2. Connect the other end to the camera SFP+ port.

4.4.3.2 Connecting USB Cables (P/N 73234000)

The iX Controller MK 6 - Camera USB cable (supplied with each camera) transfers control data from the iX Controller MK 6 and the camera, and images from the camera for storage in the iX Controller MK 6.

To connect iX Controller MK 6 - Camera USB 3 cables:

1. Connect up to four USB 3 camera cables as required to the USB 3 ports.



2. Connect the other end of each USB 3 cable to a Phase One aerial camera.

4.5 Connecting Monitor Cables

Phase One recommends ordering and using the pilot and operator monitors available from Phase One. The monitors are supplied with the following cables for connection to the iX Controller MK 6:

- iX Controller MK 6 - Pilot Monitor cable
- iX Controller MK 6 - Operator Monitor cable

The following figure shows power and communication connections for the pilot and operator monitors.

4.5.1 iX Controller MK 6 - Pilot Monitor Cable (P/N 75098490)

To connect the iX Controller MK 6 – Pilot Monitor cable:

1. Connect the cable end with 2 connectors to the pilot monitor power and video ports (video cable includes USB signal).
2. Connect the cable end with 3 connectors to an iX Controller MK 6 power port, the HDMI port and a USB 3 port.



4.5.2 iX Controller MK 6 – Operator Monitor Cable (P/N 75098530)

Note

If the operator monitor cable is not connected to the operator monitor, see Appendix B - Connecting the iX Controller MK 6 – Operator Monitor Cable to the Monitor.

1. Connect the cable end with 3 connectors to an iX Controller MK 6 power port, DP port and one of the USB 3 ports.



4.6 Keyboard and Mouse

A Bluetooth keyboard with touchpad is provided with the iX Controller MK 6.

To connect the keyboard to the iX Controller MK 6:

1. On the iX Controller MK 6, connect the keyboard's Bluetooth dongle to a USB port.



4.7 Reassembling the USB Cable Bracket

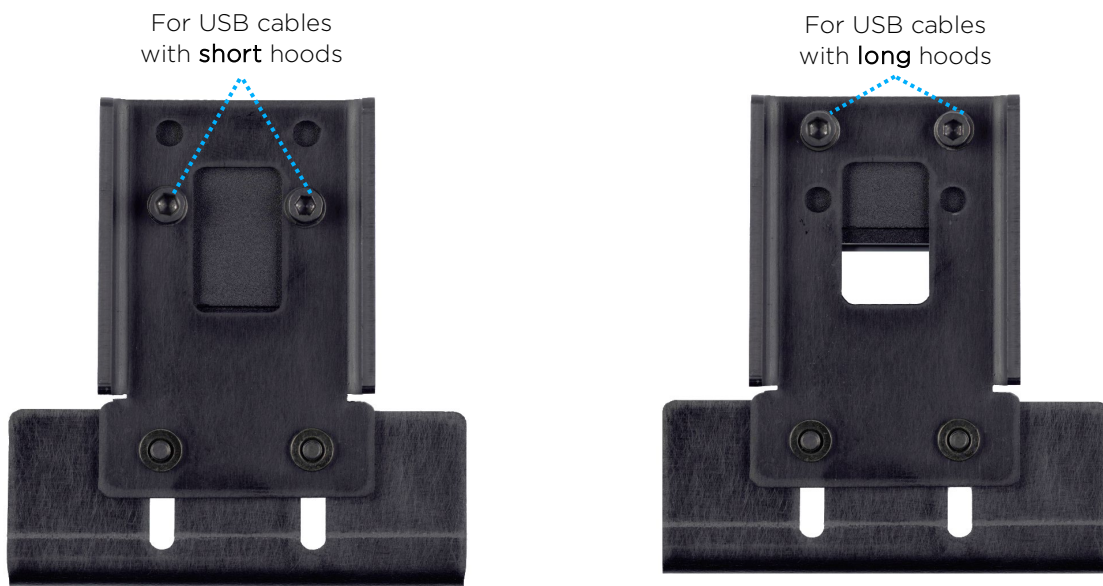
To reassemble the USB Cable Bracket:

1. Use a 2.5 mm hex key to reattach the cable bracket front plate to the cable bracket bottom plate using the screws and washers you set aside in Step 2. The front plate should secure the cable hoods.

Note

If the length of the cable hoods prevents you from securing the cable bracket front plate to the cable bracket bottom plate, you can increase the distance between the front plate and the iX Controller MK 6 as follows:

1. Gently place the iX Controller MK 6 on its upper plate.
2. Remove both screws securing the cable bracket bottom plate to the iX Controller MK 6.
3. Mount the cable bracket bottom plate to the iX Controller MK 6 using the holes near the bottom plate edge.



4.8 iX Controller MK 6 - Mount COM Cable (P/N 73260000 / 73285000 / 73293000)

The iX Controller MK 6 - Mount COM I/O cable transfers SOMAG V2 protocol commands and data between the mount and iX Flight Pro running on the iX Controller MK 6.

To connect the iX Controller MK 6 - Mount COM cable:

1. Connect one end of the iX Controller MK 6 - Mount COM cable to the iX Controller MK 6 COM port.



2. Connect the other end to the mount INTERFACE port.

4.9 External IMU

If you are using an external IMU (see Section 3.2 - Configuration Options), you must connect it to the iX Controller MK 6 using the cable supplied with the external IMU.

To connect an external IMU to the iX Controller MK 6:

1. Connect one end of the IMU cable to the IMU.



2. Connect the other end of the IMU cable to the iX Controller MK 6 IMU port.

4.10 PPS Output

The internal GNSS provides a pulse-per-second (PPS) time synchronization output mark.

To use this signal:

1. Connect the iX Controller MK 6 PPS output cable (73263000) to the iX Controller MK 6 AUX port.



The following table shows the pinout for the iX Controller MK 6 PPS output cable.

iX Controller MK 6 PPS Output Cable

Wire	Pin	Voltage	Description
Orange	1	PPS_OUT	PPS (Pulse Per Second) output is the signal that indicates the integer epoch of UTC/GPS time. It is a 1 msec wide, active low 5 V pulse with a 5 μ sec fall time, from buffer that can drive 8 mA.
Green	2	GND	Ground
Blue	5	AUX_Event	AUX_Event is the time marker of external pulses. It captures the exact time of the external event initiated by a sensor. Event inputs are 3.3 V LVTTTL inputs, but 5 V tolerant.
Gray	8	GND	Ground
Black	9	GND	Ground

4.11 Antenna Cable (P/N 76014600)

To connect the antenna to the iX Controller MK 6:

1. Connect the antenna cable (supplied with antenna) to the Antenna port.



5 Powering up the iX Controller MK 6

To power up the iX Controller MK 6:

1. Push the **MAIN** circuit breaker. The **MAIN** power LED turns on.
2. Press the On/Off pushbutton. The iX Controller MK 6 powers up.
3. When the Windows login window appears, log in using the following credentials:
 - **User name:** user
 - **No password required.**

Note

To remotely login to the iX Controller MK 6, see **Connecting to the iX Controller Using Remote Desktop Connection** available for download at <https://www.phaseone.com/download-categories/geo-guides-documentation/>

6 iX Controller MK 6 Storage

6.1 Disk Management

The iX Controller MK 6 storage consists of a built-in frame with a removable carrier containing two SSD drives. The drives store the images captured by cameras connected to the iX Controller MK 6.

The carrier front panel contains the following LEDs:

LED	Color	State	Description
Drive power	Green	Solid	The drive is powered on.
Drive activity	Amber	Blinking	The drive is being accessed by the iX Controller MK 6.

The drives are assigned the following drive letters:

- D - top drive
- E - bottom drive

Note

For information on transferring data from the SSDs to the processing computer, see the iX Process Operations Guide.

6.2 Locking the Carrier

Note

The carrier must be locked with the SSD carrier key for the iX Controller MK 6 to recognize the drives.

To lock the carrier in the SSD drive bay frame:

Note

The SSD carrier key is stored on the left side of the iX Controller MK 6 front panel.



1. Insert the SSD carrier key into the SSD carrier keylock and turn it 90° clockwise. The yellow and green SSD drive LEDs turn on momentarily and the green LED remains on.



An additional frame is provided with the iX Controller MK 6. This frame should be installed in the computer used for post-flight processing. You can then transfer the carrier with its SSD drives between the iX Controller MK 6 and the processing computer.

Note

Additional carriers (with or without SSD drives) with SATA or USB 3 based frames can be ordered through your Phase One sales representative.

6.3 Removing the SSD Drive Carrier

To remove the SSD drive carrier from the iX Controller MK 6:

1. Shutdown the iX Controller MK 6 as described in Section 8 - Shutting Down the iX Controller MK 6.
2. Insert the SSD carrier key into the SSD carrier keylock and turn it 90° counterclockwise.
3. Push the SSD carrier eject button once to release the button, and again to eject the carrier from the frame.
4. Gently remove the SSD carrier from the iX Controller MK 6.

6.4 Inserting the SSD Drive Carrier

To insert the SSD drive carrier into the iX Controller MK 6:

1. Shutdown the iX Controller MK 6 as described in Section 8 - Shutting Down the iX Controller MK 6.
2. If the SSD carrier eject button is protruding, push it all the way in.
3. Gently insert the SSD carrier into the iX Controller MK 6.
4. Insert the SSD carrier key into the SSD carrier keylock and turn it 90° clockwise.
5. Power up the iX Controller MK 6 as described in Section 5 - Powering up the iX Controller MK 6.
6. Verify that the green SSD drive LED turns on.

7 Operating the iX Controller MK 6

7.1 Powering Equipment

To activate equipment connected to the iX Controller MK 6:

1. Push the **AUXILIARY** circuit breaker.

To deactivate equipment connected to the iX Controller MK 6:

1. Pull out the **AUXILIARY** circuit breaker.

7.2 Using iX Flight Pro

1. If you purchased a license and installed it: on the operator monitor run iX Flight Pro.
2. Follow instructions for setup and use of iX Flight Pro as described in the iX Flight Pro Operation Guide.

7.3 Using iX Capture

1. On the operator monitor, run iX Capture.
2. Follow instructions for setup and use of iX Capture as described in the iX Capture User Guide available for download at:
<https://www.phaseone.com/download-categories/geo-guides-documentation/>

7.4 Controlling iX Controller MK 6 Power Ports

7.4.1 Controlling iX Controller MK 6 Power Ports through iX Flight Pro

Through iX Flight Pro, you can control both sets of iX Controller MK 6 power ports.

To control power to the power ports through iX Flight Pro:

1. Navigate to Camera **Settings**.
2. Select or clear the **Camera Power** and/or **Accessories Power** checkboxes.

7.4.2 Controlling iX Controller MK 6 Power Ports through iX Capture

Through iX Capture, you can control both sets of iX Controller MK 6 power ports.

To control power to the power ports through iX Capture:

1. Navigate to **System > Settings**.
2. Select or clear the **AUX1** and/or **AUX2** checkboxes.

8 Shutting Down the iX Controller MK 6

Warning

To avoid any damage to the iX Controller MK 6 when shutting it down, make sure you follow the following procedure.

To shut down the iX Controller MK 6:

1. Perform **one** of the following:
 - On iX Controller MK 6, press the On/Off pushbutton.OR
 - On the operator monitor, shut down Windows.
2. After the On/Off pushbutton white LED turns off: on the iX Controller MK 6, pull the **MAIN** circuit breaker out.

9 Troubleshooting

9.1 General Faults

The following table details how to troubleshoot common iX Controller MK 6 faults.

Faults	Solution
Cannot close iX Capture with mouse.	On the keyboard, press Alt+F4.
iX Controller MK 6 MAIN Power LED is on, but Windows 10 does not appear.	Press the On/Off pushbutton and verify that pushbutton white LED is on.
The HW trigger is grayed out / GPS GUI windows does not come up	Restart iX Capture.
GPS does not lock onto satellites.	Check antenna cable.
SSD drive is not recognized.	Make sure that SSD is properly inserted and locked (see Section 6.4 - Inserting the SSD Drive Carrier).

9.2 iX Controller MK 6 POST Beep Codes

The following table lists the iX Controller MK 6 POST (Power On Self-Test) beep codes issued by the motherboard.

POST Beep Code	Description
1	Normal POST, iX Controller MK 6 is OK.
3	Memory not installed
5	No console output devices found

10 Maintenance

10.1 Replacing SSD Drives

The iX Controller MK 6 is factory provided with 2 x 2TB or 2 x 4TB SSD drives installed in a removable carrier.

You can replace the SSDs as required. To achieve optimal performance, both SSDs should have a high writing speed (>500 MB/S). Drive capacities can be different.

To replace the SSD drives:

1. Shutdown the iX Controller MK 6 as described in section 8 - Shutting Down the iX Controller MK 6.
2. Remove the carrier from the iX Controller MK 6 as described in section 6.3 - Removing the SSD Drive Carrier.
3. Remove both cover screws at the rear of the carrier.



4. Slide the carrier out from the carrier cover.



5. Remove all screws securing the SSD drives to the carrier.



6. Replace the SSD(s) in the carrier.
7. Secure the SSD(s) to the carrier.
8. Slide the cover back on to the carrier and secure it with the cover screws.
9. Insert the carrier into the iX Controller MK 6 as described in section 6.4 - Inserting the SSD Drive Carrier.

Appendix A Technical Data

A.1 Physical Dimensions

- Width: 310 mm / 12.2 in
- Height: 130 mm / 5.1 in
- Depth: 230 mm / 9.1 in

A.2 iX Controller MK 6 Weight

- Weight: 5.4 kg / 11.9 lb

A.3 Power Input Specifications

A.3.1 Power Requirements

- Voltage: 24 - 30 VDC
- Maximum current: 20 A

A.3.2 Power Consumption

- Controller, four cameras and external IMU (without mount connected): 250 W (max)

Note

For power consumption data in PAS systems, refer to the operation guide of your specific system.

Appendix B Connecting the iX Controller MK 6 – Operator Monitor Cable to the Monitor

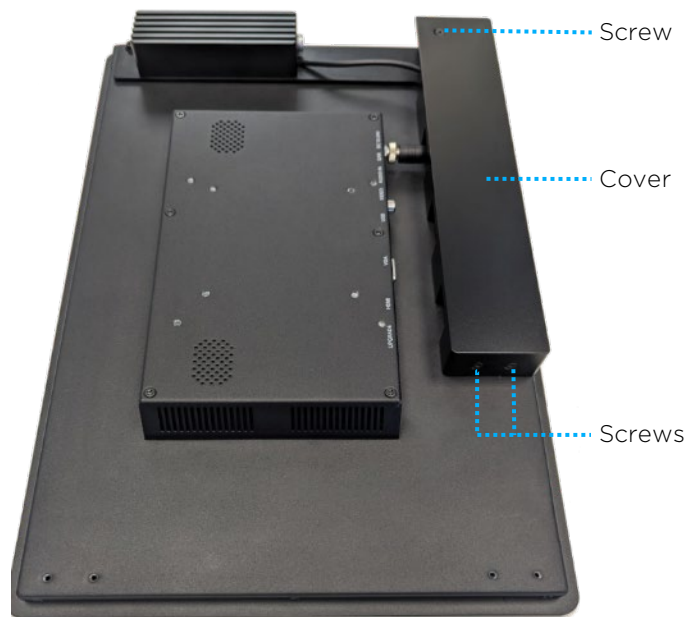
Note

If the operator monitor cable is not connected to the operator monitor, perform the procedure in this appendix.

The iX Controller MK 6 – Operator Monitor Cable is connected to the operator monitor through the cable bracket on the rear of the monitor.

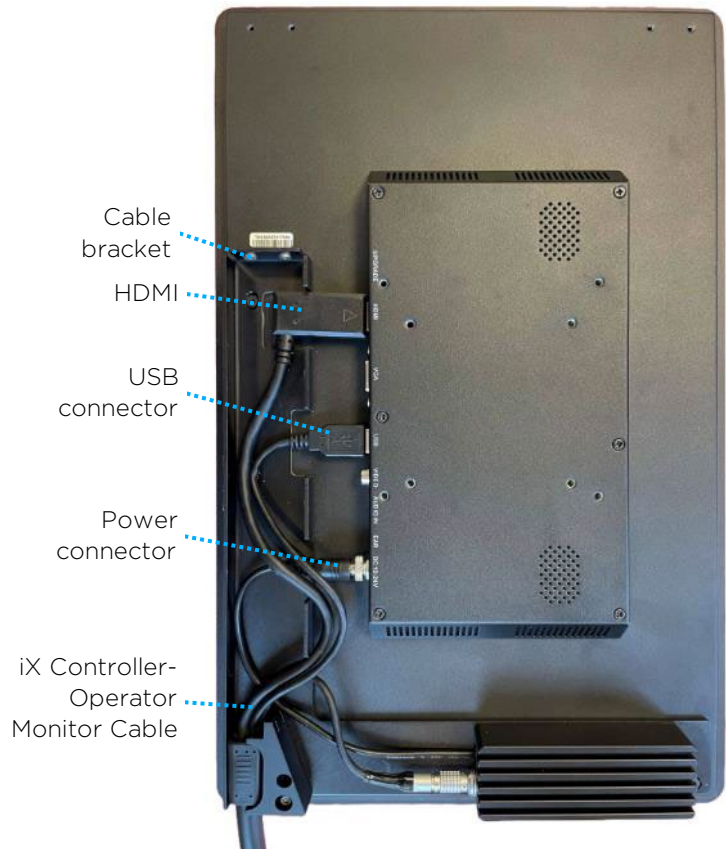
To connect the iX Controller MK 6 – Operator Monitor Cable to the operator monitor:

1. Locate the cable bracket on the rear panel of the operator monitor.
2. Using a 2 mm Allen key, remove all three screws securing the cover to the cable bracket.
3. Remove the cover.

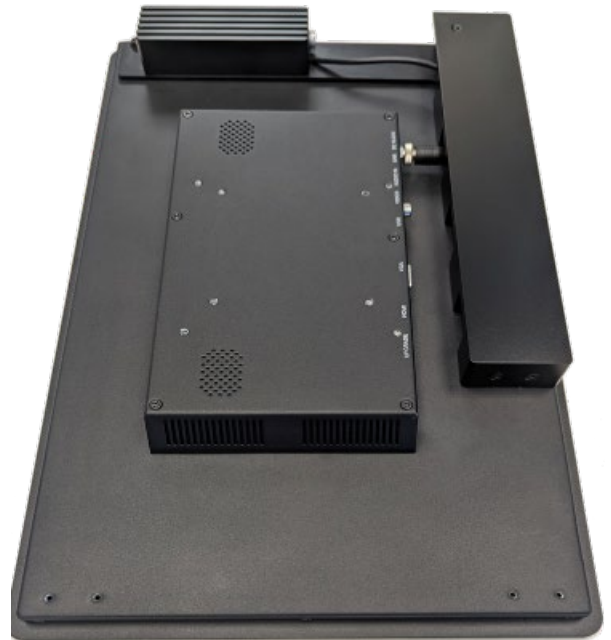


4. Insert the iX Controller - Operator Monitor cable into the cable bracket and connect the following connectors:

- HDMI
- USB
- Power



5. Place the cover on the housing.
6. Replace the three screws securing the cover to the cable bracket as follows:
 - a. Place a drop of Loctite 222 on the screw thread and insert the screw in position.
 - b. Tighten the screw with a torque of 60 cNm.



Appendix C Declaration of Conformity



EU Declaration of Conformity

Phase One A/S issues this Declaration of Conformity under our sole responsibility, covering the following product(s):

Product: Phase One iX Controller
Manufacturer: Phase One A/S
Models: Phase One iX Controller mk 6
Phase One iX Controller mk 6 OEM

The product is in conformity with the following standards and/or other normative documents:

EMC: EN 61000-6-3:2020, EN 61000-6-1:2019
EN 55035:2017 + A1:2015, EN 55032:2015

FCC CFR 47 Part 15:2017 subpart B, class A
ANSI C63.4:2014
ICES-003:2020 issue 7
CISPR 32, AS/NZS CISPR 32:2012
VCCI Technical Requirements, V-3/2016.11

Environmental: RTCA/DO-160G Environmental Conditions and Test Procedures for Airborne Equipment

RoHS: Article 4 (1)

Technical Documentation relevant to the product is available from:

Phase One, Roskildevej 39, DK-2000 Frederiksberg, Denmark

Frederiksberg, Denmark, March 14, 2024

A handwritten signature in blue ink, appearing to read 'Morten Bruun-Larsen'.

Morten Bruun-Larsen
VP R&D and Quality

Phase One A/S ♦ Roskildevej 39, DK-2000 Frederiksberg, Denmark
Tel: (45) 36 46 0111 ♦ Website: geospatial.phaseone.com ♦ E-mail: geospatial@phaseone.com