Introduction

Congratulations! You are now using a quality product made by BARTEC PIXAVI. The Orbit X EX is intrinsically safe and can be used in hazardous areas. All you need to get started can be found in this quick guide.

Button combinations

✪ Action Button

Short Press	Take a Picture
1 Second Press	Start/Stop Video Rec.
3 Seconds Press	Call/Hang Up Video Call

☀ Light Button

Short Press	Video Light On/Max/Off
1 Second Press	Laser On/Off

⏻ Power/Standby Button

Short Press	Standby/Wake up
3 Seconds Press	Power On/Off

Buttons And Ports

LED Video Light
Camera

Microphone 1
Laser
Microphone 2

Status LED
Action Button
Light Button
Power/Standby Button
Rugged Alu Housing

Audio Jack
Wi-Fi LED
Battery LED
Micro USB

Status LED

Pulsate	🟢	Calling
Constant	🟢	In Call
Pulsate	🔴	Ready To Record
Constant	🔴	Recording
Pulsate	🔵	Pairing Mode
Pulsate	🟡	Booting
Constant	🟡	Ready For Use
4 Sec Interval	🟡	Standby
One Blink	⚪	Snapshot
Constant	⚪	Shutting Down

Battery and WIFI LED

📶	Strong Signal
📶	Fair Signal
📶	Not Connected
🔋	Full Battery
🔋	Ok Battery
🔋	Low Battery

Our Apps

Sipido
The Sipido video conferencing app is using SIP protocoll and allows you to do mobile video conference and live video streaming from the device over any network.

Collaboration X
Collaboration X is a Mobile Device Management solution that allows you to remotely manage your devices from your browser. With this service, you can remotely monitor, set policies and wipe device safely and securely. The solution also offer other MDM functionality. Collaboration X will update your OrbitX device to the latest software release automaticly whenever the device is connected to power.

Orbit X Setup
This app allows you to get the Orbit X associated with a wireless network, and configure the device for video communication.

First time setup of your Orbit X

The Orbit X works right out of the box. But in order to take advantage of advanced features like video conferencing, MDM functionality, over the air updates and cloud media library storage you have to connect your Orbit X device to the internet using the Orbit X setup app or the Collaboration X website.

Orbit X setup app:
1) Download and start the Orbit X setup app from "Google Play" on your android smart phone. The app is already pre-installed if you are using an Impact X or Gravity X device.

2) Select "first time setup" and follow the tutorial.

Collaboration X website:
If your company has a Collaboration X account the IT administrators can use the "Orbit X Quick Setup" feature to quickly associate the Orbit X with Collaboration X.

1) Login to *www.collaborationx.pixavi.com* or sign up for a 30 days free Collaboration X trial account.

2) Go to "Devices" and select "Orbit X Quick Setup".

Head mount setup

Mounting plate for flat surfaces (e.g. walls)	
Mounting plate for curved surfaces (e.g. helmet)	
Orbit X cradle with 2x 1/4" screw mount	
Quick release bracket	
Swivel brackets	
Screws	

The head mount system is designed to be flexible and fit different types of helmets and equipment. The Orbit X snaps into the cradle and allows easy access to the Orbit X on the go. Below are two examples of head mount configurations.

BARTEC PIXAVI

Charging

The Orbit X has a high quality, high capacity battery and shall only be charged using the charger supplied with the unit. Charging the Orbit X from 0% to 80% battery capacity takes approximately 2 hours. Charging the remaining 80% to 100% takes 1 ½ hours. The Orbit X should not be used/operated during the charging process.

Label

OrbitX EX version:

Model: OrbitX
Serial : P9RBBDxxxxxxx
Mfr. Bartec Technor 4007-SVS-ND
BARTEC-PIXAVI.COM

$\langle\epsilon x\rangle$ II 2G

Ex ib op is IIC T4 Gb
IECEx SIR 14.0165X
Sira 14ATEX2287X
Intrinsically safe

0470

IC: 9249A-ORBITX
FCC ID : YML-ORBITX
AEx ib op is IIC T4 Gb
CI I, Div2, Grps A, B, C, D
Ex ib op is IIC T4 Gb
Sécurité intrinsèque

US 261724

Support

FAQs and technical support can be found here: **www.bartec-pixavi.com/support**

Special Conditions For Safe Use

Ex ib parameter	USB Interface	Headset
U_o	8.4 V	11.6 V
I_o	0.445 A	0.399 A
P_o	0.933 W	1.565 W
C_o	1.35 µF	1.39 µF
L_o	3.06 µH	20.6 µH

Waterproof

The Orbit X camera is IP68 waterproof even without the protective cover fitted over the mini jack and USB connectors. The micro USB and mini jack connectors are sealed on the inside, and they are waterproof themselves even without the protective cover.

Please make sure the connectors are dry before connecting a USB cable, headset or charging the unit.

Audio Levels

The device is compliant with the EN9650-1 standard. However, third party music players can exceed the recommended audio levels, and as such should be used with caution as prolonged listening to sound at high volumes can cause permanent damage.

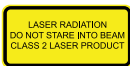## Recycling (WEEE)

If you wish to discard the Orbit X, please contact your dealer or supplier. Do not throw the device in your domestic rubbish/trash.

Integrated Laser

The Orbit X has built-in Laser functionality for realtime collaboration and highlighting. The laser can be controlled with the "light-button" It uses a class 2 laser

LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT

Ce produit répond aux exigences de la section 15 de la réglementation FCC. Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas causer d'interférences nuisibles et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences qui peuvent provoquer un fonctionnement indésirable.

Conditions For Use (CSA)

The ambient temperature range of the Orbit X is -20°C to + 45°C

The Orbit X shall be protected from contamination by liquid and dust; this is normally achieved by the operator carrying the device on their person.

The USB port shall only be used for charging the Orbit X when in the non-hazardous area. The Orbit X shall only be charged using the charger specifically supplied for use with the unit, part number USB-AC35M, manufactured by Deltaco, part number 1001-0007, manufactured by Ansmann or model GT-41078-0505-USB and GT-41078-0506-0.4-USB manufactured by GlobTec. The maximum input voltage (Um) from the charger between these lines is 5.6V. The ambient temperature during charging shall be in the range 0°C to 45°C. The charger shall be approved for use in USA/Cananda against CSA/UL 60950-1 or equivalent.

The USB port is also used for data download. The port has been assessed with a Um of 5.8 V. The equipment connected to the USB port shall be approved for use in USA/Canada against CSA/UL 60950-1 or equivalent.

Conditions For Use (ATEX & IECEx)

The ambient temperature range of the Orbit X is -20°C to + 45°C

The Orbit X shall be protected from contamination by liquid and dust; this is normally achieved by the operator carrying the device on their person.

The USB port shall only be used for charging the Orbit X when in the non-hazardous area. The Orbit X shall only be charged using the charger specifically supplied for use with the unit, part number USB-AC35M, manufactured by Deltaco, part number 1001-0007, manufactured by Ansmann or model GT-41078-0505-USB and GT-41078-0506-0.4-USB manufactured by GlobTec. The maximum input voltage (Um) from the charger between these lines is 5.6V. The ambient temperature during charging shall be in the range 0°C to 45°C

The USB port is also used for data download. The port has been assessed with a Um of 5.8 V and shall be installed in accordance with clause 12.2.1 of IEC 60079-14:2007/EN 60079-14:2008

FCC/IC

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

Specific Absorption Rate Data

The Orbit X Camera is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government, Industry Canada of the Canadian Government (IC), and recommended by The Council of the European Union.

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC/IC is 1.6W/kg. The SAR limit recommended by The Council of the European Union is 2.0W/kg. Tests for SAR are conducted using standard operating positions specified by the FCC/IC with the device transmitting at its highest certified power level in all tested frequency bands.

For body worn operation, the Orbit X device has been tested and meets the FCC/IC exposure guidelines when used with an accessory that contains no metal and that positions the device a minimum of 10 mm from the body. Such a device can i.e. be BARTEC PIXAVI camera cradle.

Quick guide