



Quick Start Guide

DIGEX C50 Day & Night Digital Riflescope

ENGLISH / FRANÇAIS / DEUTSCH / ESPAÑOL / ITALIANO / РУССКИЙ





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DIGEX C50 Quick Start Guide

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The Detailed User's Manual is available through a QR code:

Description

The Digex C50 Digital riflescope is designed for round-the-clock use. These riflescopes are designed for hunting, target shooting and recreational

shooting, observation and orientation.

In night conditions (absence of starlight, moonlight), it is recommended to use an infrared illuminator with an 850 nm or 940 nm wavelength.

Package Contents

- Digex C50 Digital Riflescope
- APS2 rechargeable battery (1* or 2** pcs.)
- APS battery charger
- Power adapter
- USB Type-C Type-C cable
- USB Type-C Micro USB Type-B cable
- Carrying case
- Lens-cleaning cloth
- * For models without an IR illuminator
- ** For models with an IR illuminator

Components and Controls

- Eyecup
- 2. Eyepiece diopter adjustment ring
- 3. ON/OFF button
- REC button
- 5. ZOOM button
- 6. Controller
- 7. Battery compartment cover
- 8. Battery APS2
- 9. USB Type-C cover
- 10. USB Type-C port
- 11. Objective lens focus ring
- Aperture adjustment ring
- 13. Lens cap

- Quick Start Guide
- Warranty card
- · APS3 battery cover (for riflescope)
- APS3 battery cover (for IR illuminator)**
- IR-illuminator**
- Allen wrench
- 30 mm ring with Weaver rail*



Battery Pack Charging

Digex C50 digital riflescopes come with a built-in rechargeable lithium-ion Battery Pack APS5 and a removable rechargeable lithium-ion APS2 Battery Pack. The batteries should be charged before first use.

- Open the USB Type-C cover (9) by turning it counterclockwise.
- Connect the USB Type-C plug of the USB cable (17) to the USB Type-C port (10) in the body of the riflescope.
- Connect the second USB plug of the USB cable (17) to the USB port on the power adapter (18).
- Plug the device into a 100–240 V socket (19).
- Wait until the batteries are fully charged (indication in the status bar: 1 (2 ())

Attention! When charging rechargeable batteries with a USB Type-C connector (10) in the riflescope body section, charging priority is given to the built-in battery. When the device is off, both batteries are charged at the same time. When using the device, the external battery is discharged first.



The rechargeable lithium-ion APS2 and APS3* Battery Packs may be recharged using the APS** charger

- Insert the Battery Pack (8) along the rail into the APS charger (14) slot as far as it will go. The APS charger is supplied with your device or purchased separately.
- Point **A** on the battery and point **B** on the charger should match.
- Two batteries*** can be charged at the same time: the second slot is designed for it.
- Connect the Micro USB Type-B plug of the USB cable (17) to the port (15) of the charger (14).
- Connect the second plug of the USB cable (17) to the USB port on the power adapter (18).
- Plug the device into a 100-240V socket (19).
- The LED indicator (16) will display battery charge status.



• Wait until the battery is fully charged (LED indication (16): • • • •)

(16) LED Indicator****	Battery charge status		
•	Battery level is from 0% to 10%. Charger is not connected to a power supply.		
*	Battery level is from 0% to 10%. Charger is connected to a power supply.		
••••	Defective battery. Do not use the battery.		
•	Battery level is from 10% to 20%.		
••	Battery level is from 20% to 60%.		
•••	Battery level is from 60% to 95%.		
••••	The battery is completely charged and can be disconnected from the charger.		

* Purchased separately

** Included in the delivery package.

*** Purchased separately for models without an IR illuminator.

**** LED indicator displays the current battery charge status for 30 seconds when the APS charger is not plugged in. When the power is being supplied, the indicator is constantly displaying the current battery charge status, the LEDs are additionally flickering to display the battery charging process.

Sattery Pack Installation

- Turn the battery cover (7) counterclockwise and remove it.
- Install the battery (8) into the battery compartment along the special guides in the device body designed for it.
- When properly installed, the battery is fixed in the battery compartment of the device.
- Close the battery cover (7) by turning it clockwise.

✤ IR Illuminator

IR Illuminator Pulsar Digex S*

The riflescope may be used along with a built-in IR illuminator **Pulsar Digex S** with a wavelength of 940 nm or 850 nm which provides a significant observation range increase in lowlight conditions and in darkness.

Installing Battery Pack in the IR Illuminator

The IR illuminator **Pulsar Digex S** is powered by an APS2 (or APS3**) battery pack.

- To install the battery in the IR illuminator, turn the battery cover (22) counterclockwise and remove it.
- Install the battery into the battery compartment (21) using the special guides in the IR illuminator body designed for it.
- When properly installed, the battery is fixed in the battery compartment (21).
- Close the battery compartment (22), turning the cover clockwise.
- * Purchased separately for models without an IR illuminator.
- ** Purchased separately.

Installing the IR Illuminator on the Riflescope

- Open the mount ring (25) of the IR illuminator.
- Put the mount on the riflescope body so that the mount half rings encircle the riflescope body.
- Raising the eccentric lever (27), move it to the left. Align the eccentric axis (26) with the groove of the moving half ring. The eccentric lever (27) shall take its seat.
- Lock the eccentric lever (27) position by lowering it down.
- The IR illuminator mount should be as close as possible to body of the riflescope lens.
- In case of loosening or insufficient fixing of the IR-illuminator on the riflescope, raise the eccentric lever (27) and tighten the adjustment screw by 1-2 turns. Then lower the lever and check the fixation of the IR-illuminator on the riflescope. If necessary, repeat the above steps until the required degree of fixation of the IR-illuminator is achieved.





Powering on and Adjusting the IR Illuminator

Use the IR illuminator to improve the quality of observation in lowlight conditions at night.

- Turn on the IR illuminator by pressing the button (23) on the side of the light housing.
- Turn the knob (28) of the IR illuminator to control the illuminator power.
- To adjust the IR light position in the riflescopes field of view, loosen the ring **(20)** of the IR illuminator by turning it in the direction of the arrow.
- Adjust the IR illuminator lens using its hinge system to align the IR illumination in the riflescopes field of view. Once adjusted, tighten the IR illuminator ring (20).
- Press the IR button (23) to turn off the IR illuminator.

The illuminator is equipped with an LED indicator **(24)** making it possible to monitor the battery level. Indication modes are in the table below:

(24) INDICATOR COLOR IR OPERATING MODE

· ·	
•	The IR illuminator is on. The battery is charged
•	The IR illuminator is on. The battery is discharged. Approximate operating time before the IR illuminator turns off is 30 minutes
-	The IR illuminator is off

Installing the IR Illuminator on the Weaver Rail

To install an IR illuminator with a Weaver mount*, you will need to install a 30 mm ring with Weaver rait** on the riflescope:

- Unscrew the screws (29) with the Allen key.
- Install the ring (30) on the riflescope body.
- Adjust the position of the Weaver rail (left/top/right) depending on the seat of the IR illuminator.
- Tighten the screws (29).
- Install the IR illuminator on the Weaver rail according to the installation instructions.



- * Purchased separately.
- ** Supplied with models without an IR illuminator.

Getting Started

- Open the lens cap (13).
- Press the ON/OFF (3) button briefly to power the riflescope on.
- Adjust the resolution of the symbols on the display by rotating the diopter adjustment ring of the eyepiece (2).
- Turn the aperture adjustment ring (12) to select the observation mode (Day - , Night - ().
- Select the image mode (color/black-and-white) by short pressing the ON/ OFF button (3).
- Rotate the lens focus ring (11) to focus on the object being observed.
- Activate the quick menu by briefly pressing the controller button (6) to adjust the brightness and contrast of the display (see the Quick Menu Functions section of the full version manual for details).
- Press the ZOOM (5) button successively to change the magnification ratio of the riflescope. While the icon ① is visible on the screen, rotate the controller ring (6) for smooth digital zooming from the current magnification.
- Turn on the IR illuminator* and adjust the lighting power according to its operating instructions to improve the quality of observation in low light conditions.
- Power the device off with a long press of the **ON/OFF (3)** button.
- * Purchased separately for models without an IR illuminator.

F Button Operation

	Device is off:	Power on the device: short press of the ON/OFF (3) button.
(3) ON/OFF button		Power off the device: long press of the ON/OFF (3) button for longer than 3 seconds.
	Device is on: Device is in Video mode:	Turn display off: long press of the ON/OFF (3) button for less than 3 seconds.
		Turn display on: short press of the ON/OFF (3) button.
		Image mode switching (color/black-and-white): short press of the ON/OFF (3) button.
		Start /pause/resume video recording: short press of the REC (4) button.
		Stop video recording: long press of the REC (4) button.
		Switch to Photo mode: long press of the REC (4) button.
	Device is	Capture a photo: short press of the REC (4) button.
	in Photo mode:	Switch to Video mode: long press of the REC (4) button.
+	Device is	Control discrete digital zoom: short press of the ZOOM (5) button.
(5) ZOOM button	011.	PiP on/off: long press of the ZOOM (5) button.
	Device is	Enter Quick Menu: short press of the controller button (6).
	on:	Enter Main Menu: long press of the controller button (6).
	In Quick Menu:	Navigation upwards: short press of the controller button (6).
		Exit quick menu: long press of the controller button (6).
		Parameter change: rotation of the controller (6).
	In Main Menu:	Main menu navigation: rotation of the controller (6).
(6) Controller		Confirm selection: short press of the controller button (6) .
		Parameter change: rotation of the controller (6).
		Exit submenu without confirming selection: long press of the controller button (6).
		Exit Main Menu: long press of the controller button (6).
	Device is in Zoom mode:	Smooth Zooming: rotation of the controller (6).

Mounting on the Rifle

To ensure accurate shooting the $\ensuremath{\text{Digex C50}}$ riflescope should be properly mounted on the rifle.

- The riflescope is fixed using the mount, which is purchased separately.
- Use only high-quality mounts and rings that are designed especially for your rifle.
- It is recommended to install the riflescope as low as possible, at the same time it should not be in contact with barrel or receiver.
- Before securing the fastening rings, ensure that the riflescope provides the necessary exit pupil distance and enables you to see the entire field of view.

✓ Zeroing

Zeroing at a temperature close to the riflescope's operating temperature is recommended.

Step 1. Take a shot

- Mount the rifle with the riflescope installed on a bench rest.
- Set a target at a certain distance.
- Point a rifle at the center of the target and shoot.

Step 2. Align the reticle with the impact point

- Press and hold the controller button (6) to enter the main menu. Add the distance you are aiming at (e.g. 100 meters): "Reticle & zeroing" -> -> "Add new distance" ->. Select the value for each distance digit by rotating the controller by rotating the controller by rotating the controller by to (6) briefly to switch between digits. After setting the required distance, press and hold the controller button (6) to save it.
- After adding the distance, it will switch to the "Zeroing parameters settings" menu -i-. An auxiliary cross will appear in the center of the display, and X and Y coordinates of the auxiliary cross will appear in the upper right corner.
- Press the controller button (6) briefly to enter the "Windage/ Elevation" ← submenu.







 While holding the reticle at the aiming point, move the auxiliary cross \times until it is aligned with the impact point by rotating the controller ring (6). To change the direction of the auxiliary cross movement from horizontal to vertical, press the controller button (6) briefly.

Note: in order not to hold the reticle at the initial aiming point, select the "Freeze" 🔆 button or press the ON/

OFF button (3) briefly before starting the adjustment of zeroing coordinates. The image will "freeze" and the 💥 icon will appear.

Step 3. Save the coordinates

- Press and hold the controller button (6) to save a new position for the mark. The reticle will be aligned with the impact point and it will exit the "Windage/Elevation" ← + submenu.
- Exit the zeroing menu by long pressing the controller button (6).
- Fire a second shot now the point of impact and the aiming point must be matched

✓ "SumLight™" Function



- Press and hold the controller button (6) to enter the main menu.
- Rotate the controller ring (6) to select the "SumLight™" S menu item.
- To turn "SumLight™" on or off, briefly press the controller button (6).

• "SumLight™" icon (on **S** or off **S**) is shown in the status bar.

Attention! When the "SumLight^m" function is activated, the noise level in the image increases, the frame rate decreases and the image slows down. Any sharp movement of the device may cause the image to become "blurred". Such effects are not defects. Luminous white dots (pixels) may be visible on the device's display. The number of dots may increase when the "SumLight™" function is enabled. This is due to the peculiarities of this function and is also not a defect.





Stream Vision 2 App

Install the Stream Vision 2 application to download files, update firmware, control the device by remote control and broadcast images from your device to a smartphone or a tablet via WiFi.

Detailed instructions are available at: pulsar-vision.com.











MODEL	C50	C50 (WITH IR- ILLUMINATOR X850S)	C50 (WITH IR- ILLUMINATOR X940S)	
SKU	76635	76635L	76635I	
OPTICAL SPECIFICATIONS				
Lens Focus, mm		F50 F/1.4		
Magnification, x		3.5-14		
Eye Relief, mm		50		
Field of view (horizontal), °/m@100 m		6.7/11.7		
Diopter adjustment, D		-3/+5		
Close-up range, m/y		5/5.47		
Range of Detection at Night, (Deer Type Object), m/y	550/601 (with IR-illuminator X850S*), 500/547 (with IR-illuminator X940S*)	550/601	500/547	
ELECTRONIC CHARACTERISTICS				
Sensor type/resolution	FHI	D CMOS/1928x1	088	
Display Type / Resolution	AMOLED/1024x768			
AIMING RETICLE				
Click value (H/V), mm@100 m – when magnifying, x	11 - 3.5x 5.5 - 7x 2.75 - 14x			
Click Range (H/V), mm@100m	2200			
OPERATING FEATURES				
Tube Diameter (for mounting rings), mm	30			
Power Supply, V	3-4.2			
	Li-Ion Battery	Pack APS2 / 200 V (removable)	0 mAh / DC 3.7	
Battery Type / Capacity / Rated Output Voltage	Li-Ion Battery Pack APS3 / 3200 mAh / DC 3.7 V (removable)*.			
	Li-Ion Battery Pack APS5 / 4900 mAh / DC 3.7 V (built-in)			
External Power Supply	5 V, 9 V (US	SB Type-C Powe	r Delivery)	
Max. Battery Operating Time (built-in APS5 and removable APS2) at t = 22 °C, h**	10			

MODEL	C50	C50 (WITH IR- ILLUMINATOR X850S)	C50 (WITH IR- ILLUMINATOR X940S)	
SKU	76635	76635L	76635I	
Maximum Recoil Power on Rifled Weapons, Joules		6000		
Maximum Recoil Power on Smooth-Bore Weapons, Caliber	12			
Degree of Protection, IP code (IEC60529)	IPX7			
Operating Temperature, °C (°F)	-25 - +50 (-13 - +122)			
Dimensions, mm / inch	408x78x83 / 16.06x3.07x3.27	408x101x88 / 16.06x3.98x3.46		
Weight (without removable battery), kg / oz	1.11/39.15	1.26/44.45		
VIDEO RECORDER				
Video/Photo Resolution, Pixels	1024x768			
Video Recording/Photo Format	.mp4 / .jpg			
Built-In Memory	16 GB			
WI-FI CHANNEL***				
Frequency	2.4/5 GHz			
Standard	IEEE 802.11 b/g/n/ac			
DETACHABLE IR ILLUMINATOR				
Type/Wavelength, nm	-	LED/850	LED/940	

* Purchased separately

** Actual operating time will depend to what extent the Wi-Fi and built-in video recorder is used.

*** The reception range may vary depending on various factors: obstacles, other Wi-Fi networks.

Attention! Digex Riflescopes require a license if exported outside your country. Electromagnetic compatibility. This product complies with the requirements of European standard EN 55032: 2015, Class A.

Caution! Operating this product in a residential area may cause radio interference.

This product is subject to change in line with improvements to its design. The device repair is possible within 5 years.

The current version of the Quick Start Guide can be found on the website www.pulsar-vision.com.



www.pulsar-vision.com