Joopic

Capture · Keep · Share

CamBuddy Pro

Innovative Photography at Your Fingertips

User Manual

I. Package and Appearance

What in the box:

① 1X CamBuddy Pro.

② 1X elastic protective shell.

③ 1X USB charging-only cable.

④ X self-grip strap co-used with protective shell. If the camera's hot-shoe deck is occupied, bind CamBuddy Pro on the tripod or camera strap.

⑤ 1X hot-shoe deck for Canon's cameras and 1X hot-shoe deck for Nikon's cameras.

⑥ 1X screwdriver and two screws for mounting and/or replacing the hot-shoe deck.

⑦ 1X fannel bag.

Front indicator ① ② ③ ④   ⑤ ⑥ ⑦
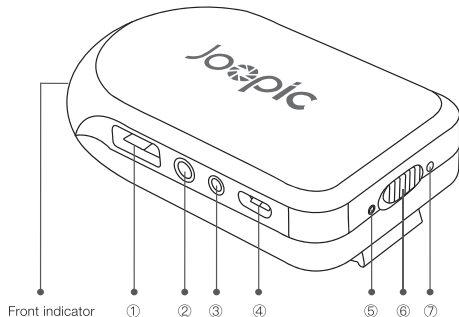
Status of CamBuddy Pro's front LED indicators:

Indicator Status	System Status
The blue indicator is normally on	Normal working status
The blue indicator is flickering in a high frequency	Sound trigger
The red indicator is flickering in a low frequency	Be triggered or receive radio shoot signal
The blue indicator is flickering in a low frequency	Receive radio focus signal
The yellow indicator is normally on	Booting-up
The yellow indicator is flickering in a high frequency	Waiting for pairing
The yellow indicator is flickering in a low frequency	Be pairing with your phone
The yellow indicator is flickering in a breathing frequency	Firmware updating
The red indicator is flickering every 2 seconds 3 times	Low battery

Introduction of CamBuddy Pro's ports:

① USB port: Connect to the camera's USB port. The connection enables functions including remote shooting, intervalometer exposure time, and wireless photo transmission.

② Flash port: Connect to external flash.

③ Shutter release port: Connect to the camera's shutter release. The connection is required for sound, lighting, and laser triggering modes.

④ Charging port: Charge CamBuddy Pro with a USB output.
Note: You may use CamBuddy Pro while charging but be cautious about overheating.

⑤ Rear indicator: Red light indicates battery charging in progress. The light switches off when fully charged, which takes 2-3 hours.

⑥ Power switch.

⑦ Reset button: To pair with a different app account, switch on the device, press and hold the reset button with a needle for 3s. CamBuddy Pro's front indicator should turn flickering yellow, turn off and on the device to complete reset.

DSLR cameras fully supported by CamBuddy Pro:

Canon EOS:

1D Mark IV, 1D X, 1D X Mark II, 5D Mark II, 5D Mark III, 5D Mark IV, 5DS, 5DSR, 6D, 7D, 7D Mark II, 50D, 60D, 60Da, 70D, 80D, 100D (Rebel SL1), 550D (Rebel T2i / Kiss X4), 600D (Rebel T3i / Kiss X5), 650D (Rebel T4i / Kiss X6i), 700D (Rebel T5i / Kiss X7i), 750D (Rebel T6i / Kiss X8i), 760D (Rebel T6s), 1300D (Rebel T6)

Nikon:

DF, D3X, D3S, D4, D4S, D5, D300, D300S, D500, D600, D610, D700, D750, D800, D800E, D810, D810A, D90, D3100, D3200, D3300, D5000, D5100, D5200, D5300, D5500, D7000, D7100, D7200

Note: More models will be supported with updated firmware.
Visit http://www.joobot.com for the latest update.

● Almost all modern non-SLR cameras, for example, mirrorless or general digital cameras from Sony, Nikon, Olympus, Samsung, Panasonic, and Fuji, are partially supported by CamBuddy Pro. You can use CamBuddy Pro to browse and transfer the pictures and the videos taken by the camera to your smartphone instantly without copying the files to your desktop computer first.

Smart devices supported by the Joopic App:

iOS:

iPhone 5s, iPhone SE, iPhone 6, iPhone 6 Plus, iPhone 6S, iPhone 6S Plus, iPhone 7, iPhone 7 Plus, iPad 3, iPad 4, iPad Air, iPad Air 2, iPad mini, iPad mini 2, iPad mini 3, iPad mini 4, iPad Pro, iPod touch 5 and iPod touch 6 in iOS 8.0 and higher versions.
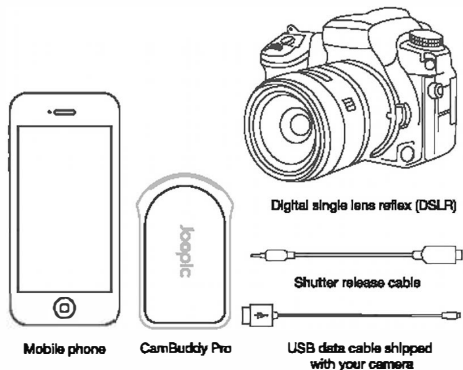
Android:

All systems above Android 4.3 which support Bluetooth 4.0

Specifications:

CPU	MIPS architecture
Flash ROM	16MB
SDRAM	128MB
Sensors	Sound/lightning/laser sensors, radio transceiver
WiFi protocol	802.11 b/g/n
WiFi speed	Maximum 150Mbps
WiFi repeater	Available
Maximal remote range	100 feet (30m)
Bluetooth	BLE 4.0
Ports	USB 2.0 high-speed port 2.5mm shutter release port 3.5mm PC flash port
Battery	Built-in 1000mAh rechargeable lithium battery
Continuous working time	4 hours
Material(Shell/Top cover)	Plastic/Anodized aluminum
Color(Shell/Top cover)	Black/Gray
Size	3.2 " x2 " x1 " (81mm × 51mm × 25mm)
Weight	0.14lb (65g)

II. Preparations before Use

Mobile phone   CamBuddy Pro

Digital single lens reflex (DSLR)

Shutter release cable

USB data cable shipped with your camera

Step 1 Parts needed

- A DSLR supported by CamBuddy Pro.
- The camera's original or specified USB cable.
- One iOS 8.0 or Android 4.3 mobile phone supporting Bluetooth 4.0 and higher versions.
- One shutter release cable and/or flash cable sound, lighting or laser triggered shooting is used.

  Note: External laser generator is required for laser triggering and not included in the product package.
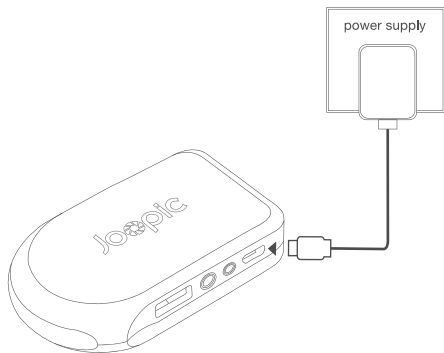
Step 2 Charging

● The new product might require charging before use. It takes 2-3 hours
  to fully charge. The red light of the rear indicator will turn off when
  charging is completed.

Note: You can charge CamBuddy Pro with a power adapter, a portable power source
(power bank), or a computer's USB port.

Step 3 Download and Install the Joopic App

● Search "Joopic" in the AppStore (iOS) or Google Play (Android) ,
  or simply scan above QR code to locate the app. Download and install
  the Joopic App.
● The Joopic App will require registration for the first time.
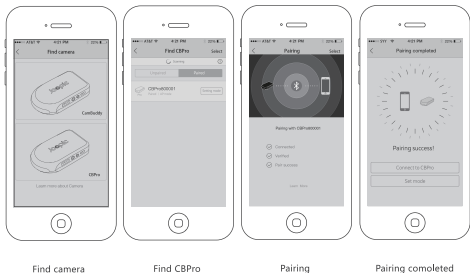
Find camera   Find CBPro   Pairing   Pairing comoleted

Step 4 Pair Joopic App and CamBuddy Pro

Enter the Camera interface, choose CamBuddy Pro option and identify
CamBuddy Pro Pair successfully.

- Enable Bluetooth of your mobile phone. Phone network authentication is
  required for pairing, so make sure the mobile phone can visit the Internet.
- Turn on the CamBuddy Pro and wait until the front indicator changes into
  yellow and blinks frequently.
- Start the Joopic App, Click the "Find" button to enter the "Select CamBuddy
  mode" interface. Choose the "CamBuddy Pro" option,the Joopic App will
  automatically find nearby CamBuddy Pro. Click the "Pair" button and the prompt
  of " Pairing success" will be displayed in a few seconds after clicking. At this time,
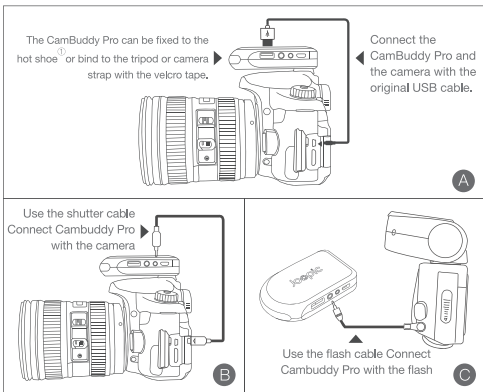 the front indicator changes into blue and lightens continuously.
  Note 1: Reset and pair again, when log in another account.
  Note2: If the pairing of CamBuddy Pro fails for several times, try to reset and pair again.
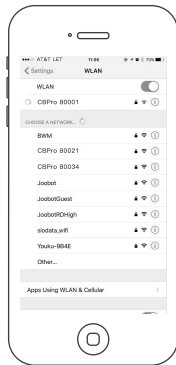
Step 5 Connect the CamBuddy Pro via WiFi

- Set the WiFi, connect your mobile phone with WiFi hotspot named
  "CBPro" , with the default initial password "12345678" . If the password of
  the CamBuddy Pro WiFi hotspot is changed, enter the new password for
  connection.
- Start the Joopic App, and the Joopic will automatically connect to
  CamBuddy Pro. After successful connection, you can find the CamBuddy
  Pro in the Camera interface.
- If a box with the prompt of upgrading the CamBuddy Pro firmware is
  displayed in the App, upgrade the firmware following the prompt.

The CamBuddy Pro can be fixed to the hot shoe[1] or bind to the tripod or camera strap with the velcro tape.

Connect the CamBuddy Pro and the camera with the original USB cable.

A

Use the shutter cable Connect Cambuddy Pro with the camera

B

Use the flash cable Connect Cambuddy Pro with the flash

C

Step 6 Connect the DSLR

- A) You can use the USB data cable shipped with your camera to connect CamBuddy Pro to your camera's USB port. If you want to use live view or remote shoot, or transfer pictures from your camera, you use this port.
- B) You can use a shutter release cable to connect to your camera's shutter release port. When you use the intervalometer or the smart trigger functions, you can choose this port to release the camera's shutter.
- C) You can use a standard 3.5mm PC flash cable to connect to an external flash. When you use the intervalometer or the smart trigger functions, you can choose the port to trigger the external flash.
- After successful connection, battery level of CamBuddy Pro, and battery level and model name of the camera will be displayed on the status bar of the app.

Note[1]: Hot-shoe deck C1 is suitable for Canon cameras and N1 is suitable for Nikon cameras.

IV. Troubleshooting

1. In the first pairing, the Joopic App fails to find the CamBuddy Pro.

- Check if your smartphone supports Bluetooth 4.0, its Bluetooth is turned on, and the Joopic App is set to use Bluetooth.
- Check if the distance between your smartphone and CamBuddy Pro is less than 7 feet (2m) and no physical barriers exist between the two.
- Check whether CamBuddy Pro is turned on and under "pairing" status (high-frequently flickering yellow light on the front indicator). If CamBuddy Pro fails to initiate pairing after 5 minutes, reset (with reset button) and restart pairing.
- Check whether the battery level is low (high-frequently flickering yellow red on the front indicator); if so, charge CamBuddy Pro first.
- Pair CamBuddy Pro's Bluetooth to your smartphone via the Joopic App, but NOT from your smartphone's operating system.

2. In the first pairing of the CamBuddy Pro, the Joopic App finds the CamBuddy Pro, but the pairing fails when clicking "Pairing".

- Check whether the smartphone is connected to the Internet.
- Check whether the CamBuddy Pro has been paired to a different device (steady blue on the front indicator); if so, reset (with reset button) CamBuddy Pro and restart pairing.

3. No image is displayed when the live view is used.

- Check whether the camera is turned off or low on battery; if the camera's battery status bar in Joopic App is flashing, camera's battery should be replaced or recharged.
- Check whether the lens cover has been taken off.
- Check camera parameters setting. If the camera is set to use large aperture, long exposure time, and low ISO, the view will be black due to insufficient exposure.
- Check whether CamBuddy Pro is low on battery; if the CamBuddy Pro

status bar in Joopic App turns red, charge CamBuddy Pro.

- Check whether WiFi signal of CamBuddy Pro on the Joopic App is too weak; it can happen when the distance between smartphone and CamBuddy Pro is over 100 feet (30m), or there's physical barrier between them.

4. Wireless photo transmission is very slow.

- Check the USB cable between your CamBuddy Pro and the camera. Connect the camera to a computer (operating Windows XP or above) using the USB cable. If it is slow to view and download the photos from the camera or the camera model cannot be identified, the USB cable should be replaced. It is recommended to use the USB cable provided by the camera manufacturer.
- Check whether CamBuddy Pro is low on battery; if the CamBuddy Pro status bar in Joopic App turns red, charge CamBuddy Pro.
- Check whether WiFi signal of CamBuddy Pro on the Joopic App is too weak; it can happen when the distance between smartphone and CamBuddy Pro is over 100 feet (30m), or there's physical barrier between them.
- Check whether there are too many photos stored in the camera SD card. It should be noted that when there are too many photos stored, the SD processing speed of Nikon camera will decrease significantly.
- Check whether the SD card used in the camera is outdated or of low-speed type. If so, it is recommended to change a high-speed SD storage card and format the card through the camera.

5. Sound, lighting and laser triggers do not work normally.

- Check whether the camera is turned off or low on battery; if the camera's battery status bar in Joopic App is flashing, camera's battery should be replaced or recharged.
- Check whether the shutter port of CamBuddy Pro and the trigger port of the camera are connected using the shutter release; if external flash is

triggered, check the connection between flash port of CamBuddy Pro and the external flash.
- Check whether the trigger mode of CamBuddy Pro is set correctly. If the camera shooting is triggered by the CamBuddy Pro, the trigger mode shall be set to "shutter".
- If the camera is set on auto-focusing mode, it may fail to focus and cause failure to trigger shooting. It is recommended to use a tripod in trigger shooting mode and set the camera to manual focus. The auto-focusing on the lens should be turned off and the image-stabilization should be disabled.
- Click sound trigger and test the environment sound value shown in Joopic App. If the value changes, the sensor is working properly. Turn on the sound trigger and observe CamBuddy Pro's front indicator. Produce a loud sound.
- The indicator will turn flashy green if CamBuddy Pro catches the sound change from the surroundings.
- Click lightning trigger and test the environment sound value shown in Joopic App. Expose the front of CamBuddy Pro to the flashlight from your smartphone. As the light source comes closer or farther to CamBuddy Pro, the environment light value in the Joopic App should increase or decrease.
- In sound or lightning trigger mode, if the trigger threshold is set too low or too high in the Joopic App, triggers will not be activated.
- In laser trigger mode, if the laser is not strong enough or not aligned with the center of CamBuddy Pro, the trigger may not be activated properly. (Laser generator is not included for the beta test)

FCC Caution：

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.