

Bluetooth wireless Adapter



Bluetooth v.5 (BLE) wireless Adapter RS232

Innovative Approach

KAYA's Bluetooth wireless adapter is designed to communicate with the IRON SDI camera line. The **KAYA** Bluetooth adapter will communicate to the camera with Bluetooth Low Energy enabled devices such as iOS or Android.

KAYA provides an easy-to-use application **SDI Control Point** via App Store and Google Play which will discover local cameras and enable camera control to create, change or save camera parameters.

KAYA's Bluetooth wireless adapter allows the user to modify parameters of the cameras while in use in difficult to reach locations.

The **KAYA** Bluetooth wireless adapter has a maximum communication range of up to 50 meters (160 ft) which is great a wide range of applications including television, film production, broadcast, surveillance, security and machine vision.

Key Features:

- Supports Bluetooth Low Energy 5 (BLE)
- Wireless connection
- Compatible with iOS and Android
- Can be powered by 5-40 V
- Communication range up to 50m (line-of-sight)
- LED control lights

TECHNICAL DATA

Feature	
Operating systems	iOS 13 and later, Android 9 and later
Interface type	RS232
Baud Rates	115200
Parity	None, even
Stop bits	1
Data bits	8
Flow control	None, CTS/RTS
LED lights	TX, RX, Bluetooth and Power
RS232 Signals	TX, RX, CTS, RTS, GND
Serial port	1-port male D-sub 9-pin
Bluetooth version	Version 5
Frequency range	2.4 GHz ISM (2.40000 – 2.4835GHz)
TX Power	Max. 4 dBm
RX Sensitivity	-96 dBm typical
TX current consumption	16.6 mA (radio only, 4 dbm)
Antenna	External
Antenna Gain	max. 2 dB
Power supply	Mini USB, screw terminals or DB9 pin 9: 5-40 VDC
Max comm range	Up to 160 feet (50m) in open space and ideal conditions
Operating temperature	-40 °C to 85 °C / -40 °F to 185 °F
Dimensions	87 mm x 34 mm x 18 mm
Certifications	CE, FCC, RoHs
Accessories	Mini USB cable

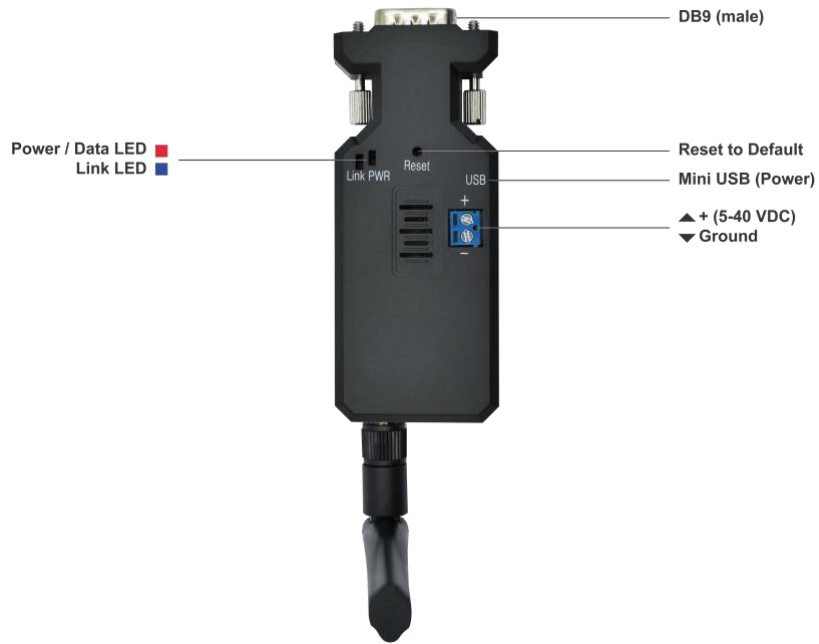
POWER SUPPLY

KAYA's Bluetooth wireless adapter can be powered by:

- Mini USB (5 VDC)
- Screw terminals (5 – 40 VDC)

Do NOT power the adapter by more than one source!

Do NOT exceed 40 VDC!



Pin	Signal	Description
1	N/A	
2	RX	Received data
3	TX	Transmitted data
4	N/A	
5	GND	Ground
6	N/A	
7	RTS	Request to send (Default)
8	CTS	Clear to send
9	VCC	Power Input

Table 1 – RS232 Interface (male)

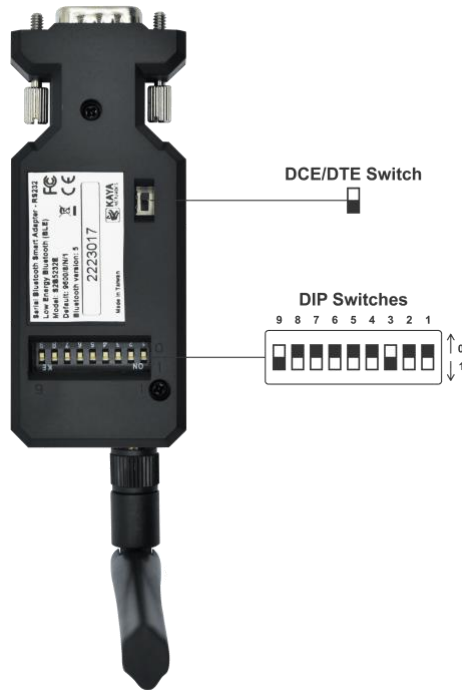
LED Status	Description
Data LED (red) flash	Data transmission
Data LED (red) solid on	No data transmission
Link LED (blue) solid on	BLE Link
Link LED (blue) flash	No link

Table 2 –Status of LED

SETTINGS

KAYA's Bluetooth wireless adapter already preconfigured to work with KAYA SDI cameras and does not require additional configuration.

The device can be configured manually by setting the DIP switches on the rear panel according to figure below:



These DIP switch positions provide RS-232 serial port connection with default parameters:

Parameter	Value
Baud Rate	115200
Data	8 bits
Parity	None
Stop Bits	One
Flow Control	No

Table 3 – Default parameters value

BLUETOOTH V.5 WIRELESS ADAPTER - RS232 CONNECTION

KAYA's Bluetooth wireless adapter is immediately ready for use after the power and data cables are connected.

Open **SDI Control Point** application and click "Connect" button for detected device.

One device can be used to control one camera at the same time.

In case of need to connect several cameras, use adapter to every or connect it one by one.



Download SDI Control Point application:



Android:

The app can be downloaded from the
Google Play



iOS:

The app can be downloaded from the
App Store

International Distributor



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KAYA Instruments

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