



xpr B100P-BT-EH-SA Bluetooth Standalone Biometric Reader User Manual

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xpr B100P-BT-EH-SA Bluetooth Standalone Biometric Reader



Product Information: B100P-BT-EH-SA

The B100P-BT-EH-SA is a Bluetooth biometric reader with an integrated proximity reader. It has a user capacity for storing user information and can be paired with a remote relay unit for high security. The device has several specifications including:

- Relays: 2
- Output: 2
- Entry mode: Proximity reading type
- Reading distance: Varies
- Power supply: AC 110-240V
- Buzzer, backlight control: Yes
- Tamper: Yes
- RS-485 interface: Yes
- Door Open Time: Varies
- IP Factor: Varies
- Operating Temperature: Varies
- Operating humidity: Varies
- Firmware upgrade: Yes
- Wiegand output: Yes
- Programming: Yes
- Door operation: Yes
- Holidays: Yes
- Event capacity: Varies

Product Usage Instructions

Resetting Reader to Default

To reset the reader to default, follow these steps:

1. Turn the device OFF.

2. Put dipswitch 1 to position ON.
3. Turn the power ON.
4. Wait approximately 15 seconds until continuous beeps.
5. Put dipswitch 1 to OFF.
6. Wait for long beep.

Note that the reset procedure will bring the reader to default, delete the password, unpair all users, and unpair the reader from the remote relay unit. Unpairing the reader after reset prevents unauthorized reset and keeps the unit in high-security state.

Wiring and Pairing

There are four options to wire and pair the reader. It can be paired to a remote relay unit (RU2, RU1, DINRTT and RTT). To pair the reader with RU1 (high security), follow these instructions:

1. The Bluetooth reader must be connected to a remote relay unit, unless it is used as a wiegand reader.
2. Once connected, the remote relay unit must be paired with the Bluetooth reader.
3. Pairing the reader with a remote relay unit is done from the remote relay unit and enables added security.
4. Keep the button pressed for at least 5 seconds and the units will be paired.

Wiring B100P-BT-EH-SA to Wiegand Controller

By default, the reader is set to Wiegand 26 bit. You can set the reader, using the software, to Wiegand 24, 26, 32, 34, 56, 58 bits.

Setting up Readers with XPR Smart Admin Windows Software

To set up readers with XPR Smart Admin Windows software, follow these steps:

1. Add site first.
2. Click on ADD reader.
3. Select type B100P-BT-EH-SA.
4. Scan for readers nearby by clicking on Scan. Found readers will be listed. Click on Select.
5. Add a pairing key between the PC and the Bluetooth reader and a password.
6. If the pairing is successful, the buttons in the reader section will be enabled.

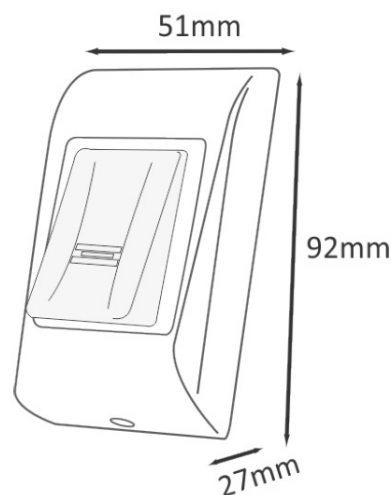
Adding Users

The B100P-BT-EH-SA comes with two software options for Windows: XPR Smart Access and XPR Smart Admin. XPR Smart Access is an application for users, allowing them to manage the doors from a distance (max. 5m). XPR Smart Admin is software for the installation administrator, allowing them to program all readers and update them, manage users and their access rights, download events, and edit reports (max. 5m).

SPECIFICATIONS

- User capacity: 100 fingerprints and 100 Cards
- Relays: 1 or 2 depending on the remote relay unit
- Output: 1 with RTT and RU1 and 2 with RU2 and DINRTT
- Entry mode: RS-485, Wiegand
- Proximity reading type: Fingerprint, Card, Fingerprint or Card
- Reading distance: EM 4002/4100 and HID (125kHz)

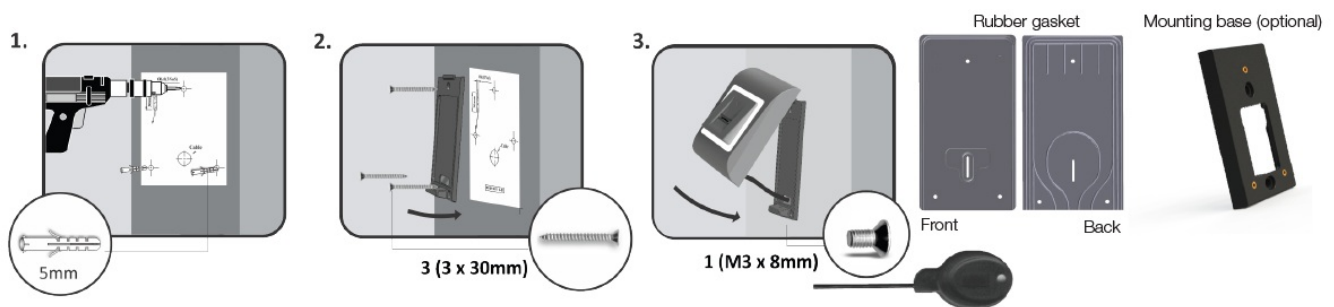
- Power supply: Up to 4cm
- Buzzer, backlight control: 12 VDC; max. 100mA
- Tamper: Yes, ON/OFF via XPR Smart Admin
- RS-485 interface: Yes RU1, RTT, RU2, DINRTT
- Door Open Time: 0 to 255 sec. or toggle (ON/OFF mode)
- IP Factor: IP54 (internal use only)
- Operating Temperature: 0°C to 50°C
- Operating humidity: 5% to 95% RH without condensation
- Firmware upgrade: Yes, via Bluetooth® wireless technology
- Wiegand output: Wiegand 24, 26, 32, 34, 56, 58 bits
- Programming: Via XPR Smart Admin
- Door operation: Via XPR Smart Access
- Holidays: 24
- Event capacity: 4000



Important note:

The Bluetooth® reader comes with RU1 remote relay unit.
Make sure to make firmware update with the latest available firmware.

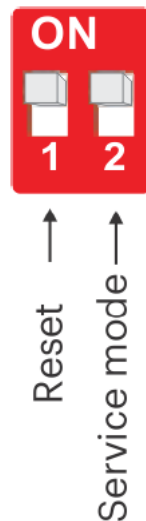
MOUNTING



- Do not install the device and cabling close to a source of strong electro-magnetic fields like radio-transmitting antenna.
- Do not place the device near or above heating equipment's.
- If cleaning, do not spray or splash water or other cleaning liquids but wipe it out with smooth cloth or towel.

- Do not let children touch the device without supervision.
- Note that if the sensor is cleaned by detergent, benzene or thinner, the surface will be damaged and the fingerprint can't be entered.
- The operating temperature of the product is between 0°C – + 50°C. XPR™ cannot guarantee the functionality of the product if measures and advice before are not followed.

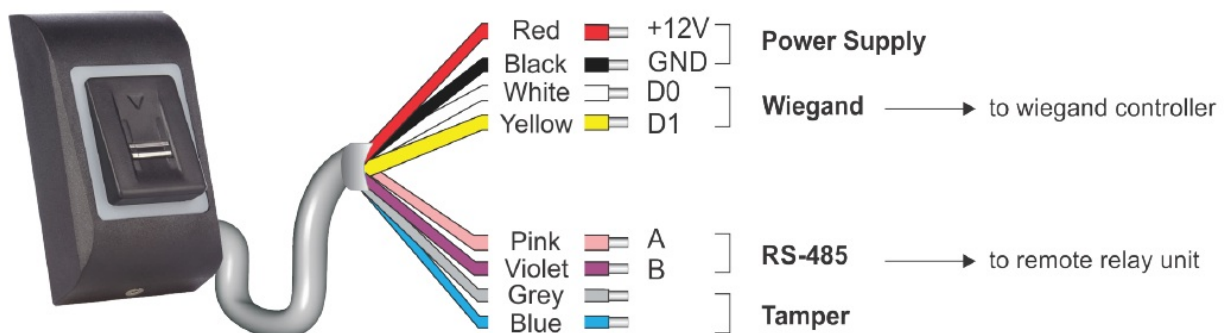
RESET READER TO DEFAULT



1. Turn the device OFF
2. Put dipswitch 1 to position ON
3. Turn the power ON
4. Wait approx. 15 seconds until continues beeps.
5. Put dipswitch 1 to OFF
6. Wait for long beep.

The reset procedure will bring the reader to default. The password will be deleted, all the users and the reader will be unpaired from the remote relay unit.

Unpairing the reader after reset, prevents unauthorized reset and keeps the unit in high security state.



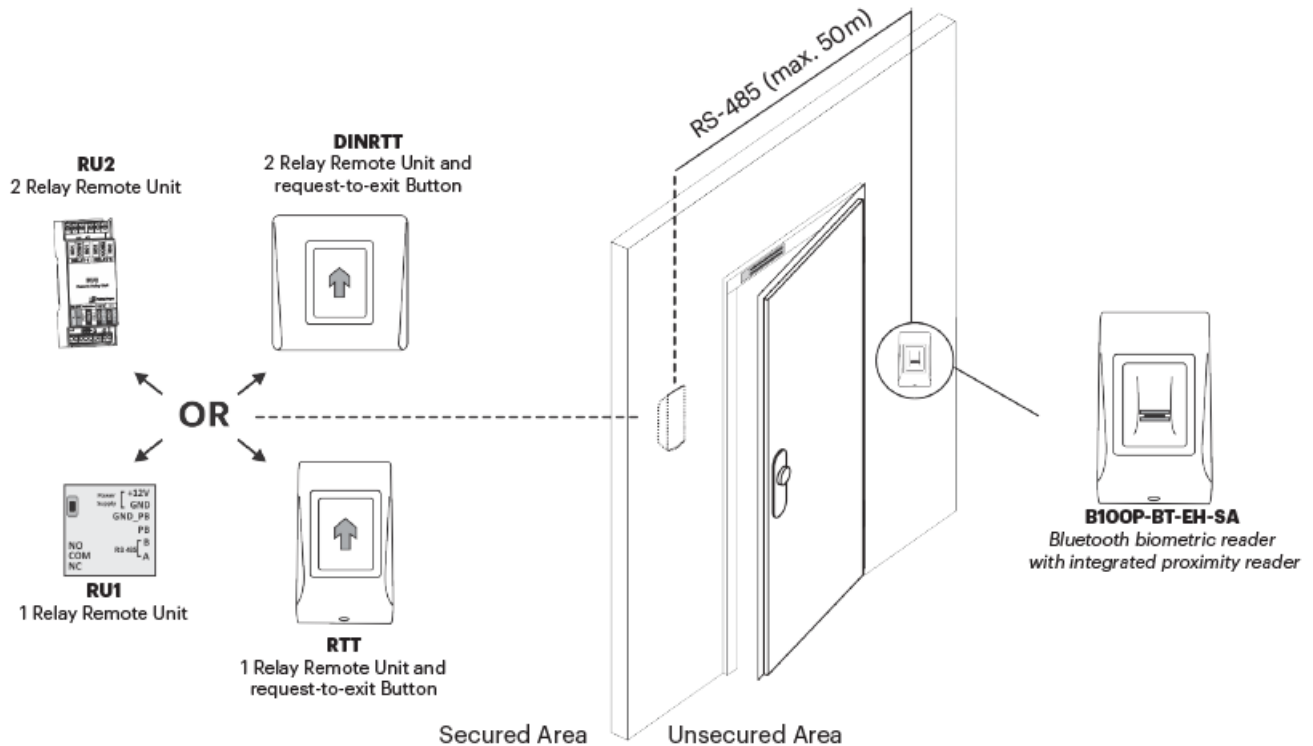
WIRING AND PAIRING

There are four options to wire and pair the reader. It can be paired to a remote relay unit (RU2, RU1, DINRTT and RTT).

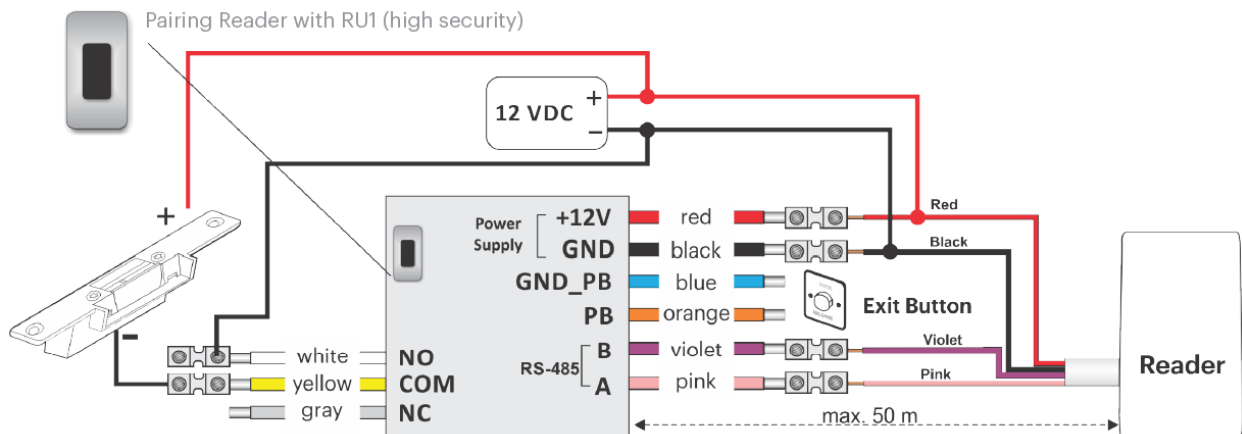
The Bluetooth reader must be connected to remote relay unit, unless is used as wiegand reader.

The remote relay units compatible with B100P-BT-EH-SA are RU1, RU2, RTT and DINRTT. Once connected, the remote relay unit must be paired with the Bluetooth reader.

Pairing the reader with remote relay unit is done from the remote relay unit and enables added security. After being paired, it is not possible to switch any of the devices, since the reader will work only with the paired remote relay unit.



Wiring and pairing B100P-BT-EH-SA + RU1

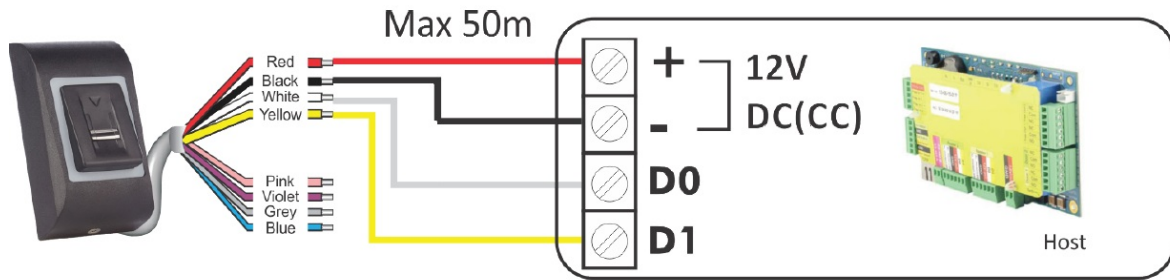


- Keep the button pressed for at least 5 sec. and the units will be paired.

Other pairing devices:

Device	Description	Relays
RU2	DIN rail mount remote relay unit	2
DINRTT	Flush mount sensitive push button and remote relay	2
RTT	Surface mount sensitive push button and remote relay	1

Wiring B100P-BT-EH-SA to Wiegand Controller

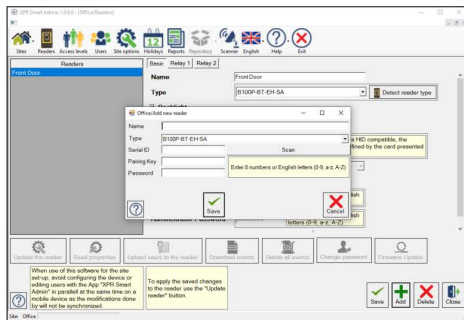


By default, the reader is set to Wiegand 26 bit.

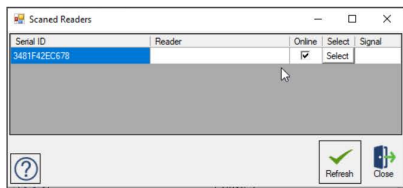
You can set the reader, using the software, to Wiegand 24, 26, 32, 34, 56, 58 bits.

SETTING UP READERS WITH XPR SMART ADMIN WINDOWS SOFTWARE

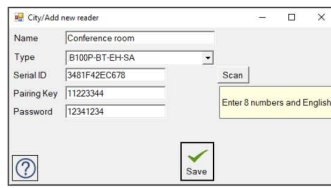
1. Add site first.
2. Click on “ADD” reader.
3. Select type “B100P-BT-EH-SA”.
4. Scan for readers near by by clicking on “Scan”. Found readers will be listed (pic.2). Click on “Select”.
5. Add a pairing key between the PC and the Bluetooth reader and a password. (pic. 3)
6. If the pairing is successful, the buttons in the reader section will be enabled.(pic.4)



pic. 1



pic. 2



pic. 3



pic. 4

You can download 2 softwares for Windows: XPR Smart Access and XPR Smart Admin from our website:

Users Software



(distance: max. 5m).

Application for users, allowing them to manage the doors from a distance.

Administrator Software

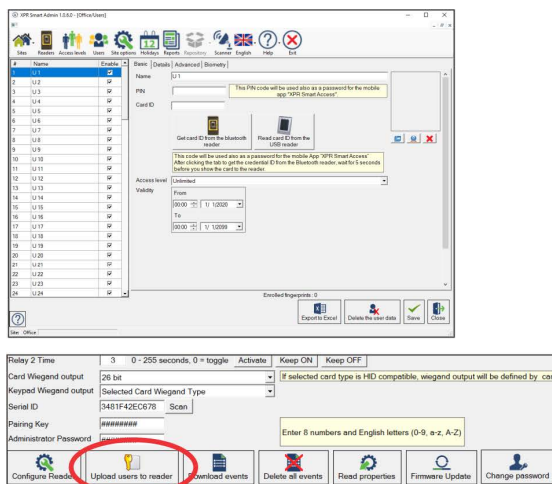












Software for the installation administrator, allowing him/her to program all readers and update them, manage users and their access rights, download events and edit reports. (distance: max. 5m).



ADDING USERS

1. Go to Users and select the user. Edit the name directly. Enable it.
2. Put a PIN Code and Card ID. The Card ID can be read directly from the reader or from USB desktop reader.
3. Select proper Access level and validity period.
4. Go to “Biometry” tab and enroll fingerprints by swiping min. 6 times each finger.
5. After this, go to the reader and “Upload users to reader”.



Base Details Advanced Biometry		Policy 1		Policy 2		Bluetooth		Delete	
Policy name	Type								
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete
	Default action			Default action				Enroll	Delete

The 2 smartphone apps are available in:



Users App



Application for users, allowing them to manage the doors from a distance.



Administrator App



Application for the installation administrator, allowing him/her to program one reader at a time and update it, manage users and their access rights, download events and edit reports. (distance: max. 5m).



This product herewith complies with requirements of EMC directive 2014/30/EU, Radio Equipment Directive 2014/53/EU. In addition it complies with RoHS2 directive EN50581:2012 and RoHS3 Directive 2015/863/EU.

www.xprgroup.com

Documents / Resources



[xpr B100P-BT-EH-SA Bluetooth Standalone Biometric Reader](#) [pdf] User Manual
B100P-BT-EH-SA, B100P-BT-EH-SA Bluetooth Standalone Biometric Reader, B100P-BT-EH-S
A Biometric Reader, Bluetooth Standalone Biometric Reader, Bluetooth Biometric Reader, Stan
dalone Biometric Reader, Biometric Reader, Reader

References

- [XPR Group - Safe access systems provider](#)