

Intelliprox Blue - Full Reference Manual

1.0 Introduction

The Intelliprox Blue is a single-door Bluetooth-enabled 1-door controller manufactured by Keri Systems. It has all the functionality required to control a single door (proximity card reader, request-to-exit and door sense inputs, lock relay, etc) and a 1,000 cardholder capacity.

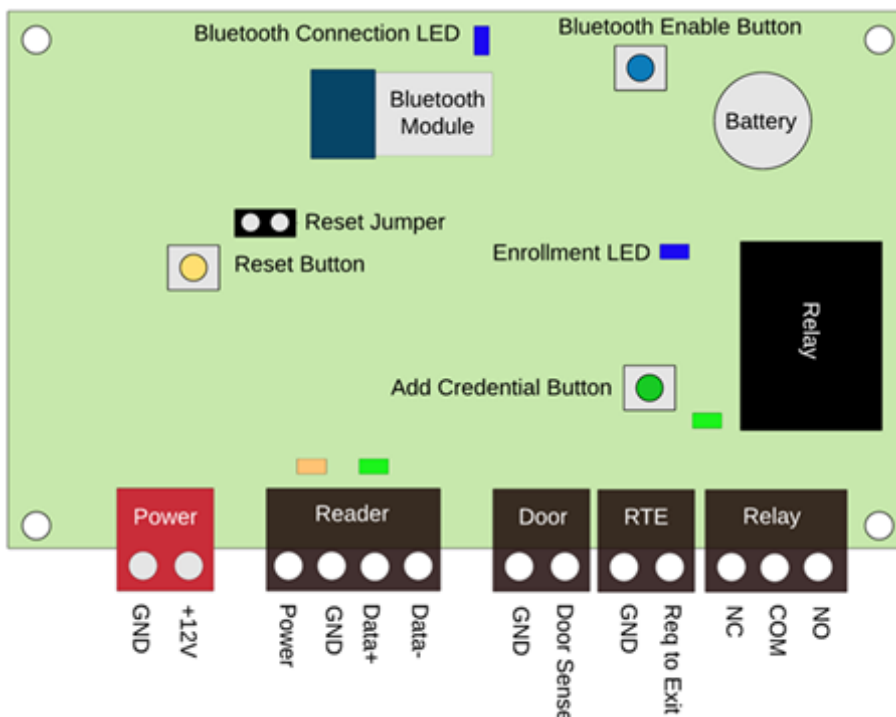
The controller supports the NXT range of readers and credentials, including the NXT Exit reader. The unit will also read most 125KHz HID credentials (but these must be presentation enrolled).

Communication to the Intelliprox Blue is via Bluetooth (using an Android or iOS app). The Bluetooth connection is required when cardholders need to be added to the system or when you need to retrieve event information.

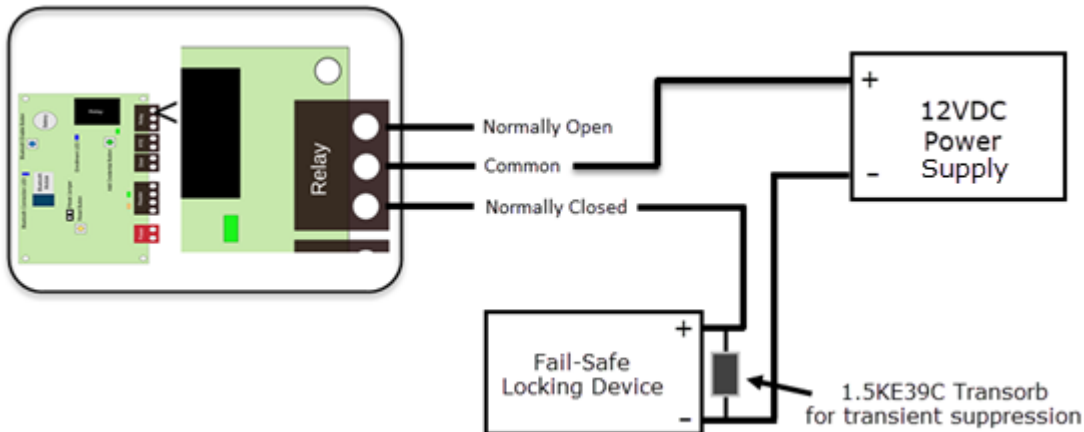
NOTE: Compatible HID credentials includes (but not limited to): ProxCard II, ISOProx II, and ProxTag II)

2.0 Wiring Diagrams

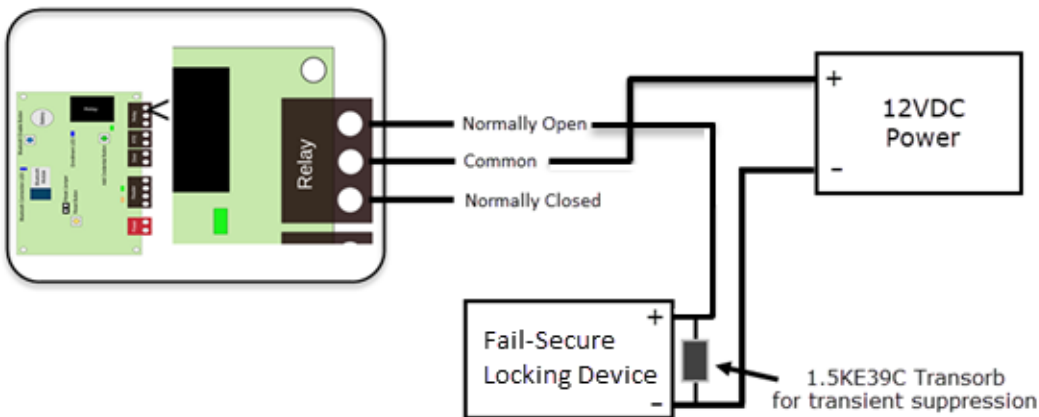
2.1 Controller Diagram



2.2 Fail-Safe Lock Wiring



2.3 Fail Secure Lock Wiring



Transient Suppression

A transorb is provided with the controller ship kit. It is used to protect the controller from voltage spikes induced on the port wiring by absorbing the excess voltage and slowly releasing it back into the circuit. Keri strongly recommends wiring in the transorb provided with the controller ship kit. It should be installed as close as possible to the electric locking device.

3.0 Specifications

Size (Enclosure):

2.75" H x 4.25" W x 1.32" D

Controller Board Shell

7.25" H x 6.6" W x 1.8" D

Size (PC Board)

2.36" H x 4.0" W x 0.78" D

Input Voltage:

+ 12 VDC nom. (9-15 VDC)

Current Draw:

Intelliprox Blue Controller – 250 mA

Inputs (2):

Door Contact Switch Request to Exit

Outputs:

1.0 amp (24 VDC max.) dry circuit

Reader Capacity:

2 with NXT Readers * (NXT-xR/NXT-xRE)

Buffer Capacity:

1,000 Cardholders 2,500 Events

Temperature / Humidity:

General or with Lead Acid Battery

-40°F to 140°F (-40°C to 60°C)

0-90% Non-Condensing

Communication

Bluetooth v4.2 BLE (Bluetooth Low Energy)

Lithium Battery:

5 years Memory Retention

NOTE: Specifications are subject to change without notice.

4.0 App Installation

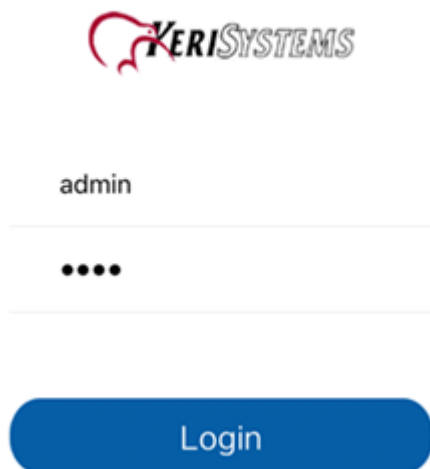
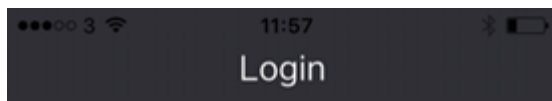
The Intelliprox Blue uses iOS and Android apps, (available for free) from the Apple App Store and Google Play Store.

1. Search for 'Intelliprox Blue' and download the Keri Systems Intelliprox Blue App.
2. Click the **Get** Button.
3. Tap the green INSTALL button.
4. The app will download and install on your device.
5. A new Intelliprox Blue icon will be on the home screen.



5.0 Hardware Connection

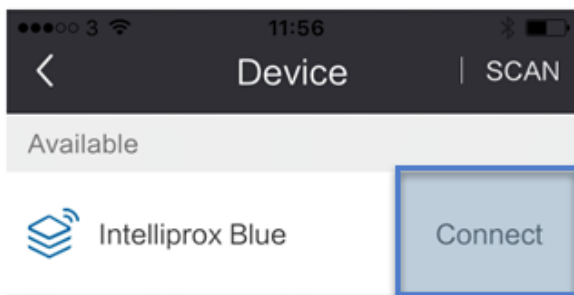
1. Open the Intelliprox Blue app.
2. Log in to the app (the default user name is 'admin' and the default password is 'pass').



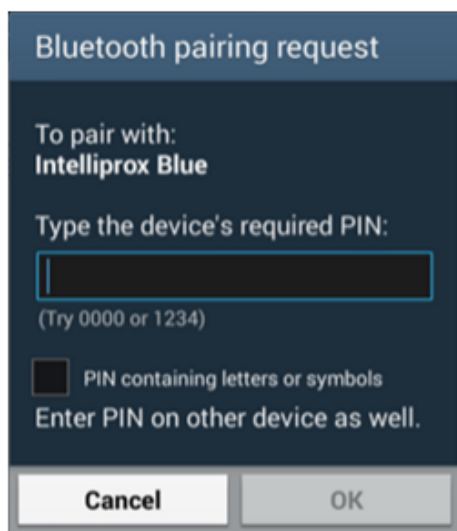
3. Once logged-in, you will see the home screen.
4. Press the Hardware Setup Icon.



5. Press the "Connect" button to the right of the Intelliprox device.



6. If you are connecting to the unit for the first time, you will be prompted to pair with the device. The default password for initial pairing is '123456'. Enter this code when prompted, then press OK.



NOTE: To connect to the unit and go straight to the Function (settings) screen, press the unit name. To just connect to the unit (and go back to the main screen to complete tasks), simply tap the Connect button.

6.0 Changing the Device Name or Pairing Password

IMPORTANT NOTE: If you change the Intelliprox device name or the pairing password you will need to perform the following steps:

1. Close the Intelliprox Blue app.
2. Go to your Bluetooth network settings.
3. Review your list of paired devices.
4. Select to 'Unpair or 'Forget' the connection to the unit.
5. Re-open the app.
6. Select the Intelliprox unit in the app.
7. Connect to the unit and pair with it again.

7.0 Hardware Configuration

The following options are available within the Function screen:

NOTE: You will need to be connected to the controller to make any configuration changes.

7.1 Device Info

View or modify the device name and password.

7.2 Open Door

Press the OPEN button to temporary unlock the door. The door unlock time is determined by the door 'Unlock Time' (which is adjustable).

7.3 Auto Unlock

The auto-unlock feature allows you to specify a time when the door will automatically unlock and automatically re-lock again.

1. Enable the feature.
2. Press the time schedule settings.
3. Select a start time (when the door should unlock).
4. Select a stop time (when the door should re-lock).
5. Press OK.
6. The door will now be programmed to auto-unlock/relock at the specified times every day.

7.4 Set Date/Time

Set the correct time and date on the controller. The controller will be set to the exact time on your smart device.

7.5 Door Type

Configure the controller with the number of readers being used. NXT readers support an exit reader to control the same door but the doors are treated separately for reporting purposes.

NOTE: Only the NXT readers support the exit reader.

7.6 Door Alarm

Enables/disables door alarms (if the door is forced-open or held-open for longer than the programmed unlock time, then the reader will go into alarm state). While in alarm state, the reader's LED will be flashing red and you will hear a constant 'beep-beep'.

7.7 Unlock Time

This setting determines how long the door will unlock either from a valid card read or via a remote unlock via the app. To adjust the unlock time:

1. Press the current unlock time.
2. Scroll to the new value.
3. Press OK.
4. The door will now be programmed with the new unlock time.

7.8 Anti-Passback

Enabled/disables the anti-passback feature which is supported when using an additional NXT Exit reader. When this feature is enabled, cardholders will not be able to 'pass back' their card to be used at the same reader by somebody else. Valid card presentation must always alternate between the entry and exit readers.

NOTES:

- Door contacts must be installed at the door for this feature to function correctly.
- Requires an additional NXT Exit reader.

Anti-Passback Definitions

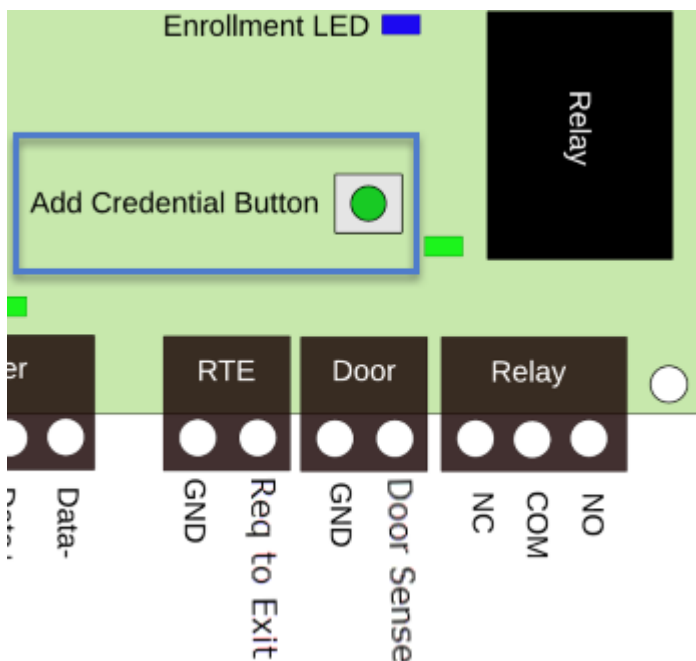
- **Disabled:** The anti-passback rules are not applied.
- **Soft APB:** The anti-passback rules are not applied, but anti-passback events are still created (whenever a credential is detected as being presented 'out-of-sequence').
- **Hard APB:** The anti-passback rules are applied and anti-passback events are created. Access will be denied if access is attempted at the same reader twice. Correct card presentation is critical to the correction functioning of this APB setting.

8.0 Cardholders and Credential Enrollment

Credentials can be added to the controller either using the controller or via the Intelliprox Blue app. One credential is supported per cardholder and the controller will support a maximum of 1,000 cardholders.

8.1 Enrollment Using the Controller

1. Enter Enrollment Mode - Press and hold the green add credential button until the Add Credential LED (DS1) flashes. The reader LED will also flash Amber.



2. Present credential /or credentials to the reader.

3. Present credential /or credentials to the reader a second time.
4. Exit enrollment mode - Press and hold the Green Add Credential button until the Add Credential LED stops flashing.

Credentials added via the above method will be given total access with no expiration date. Name and other data can be modified at a later time from within the Cardholder area. Access the cardholder section via the Cardholders icon located on the home screen.



Cardholders

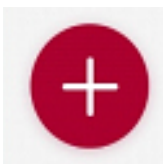
8.2 Enrollment via the Credentials Area

1. Press the Cardholders icon from the home screen.

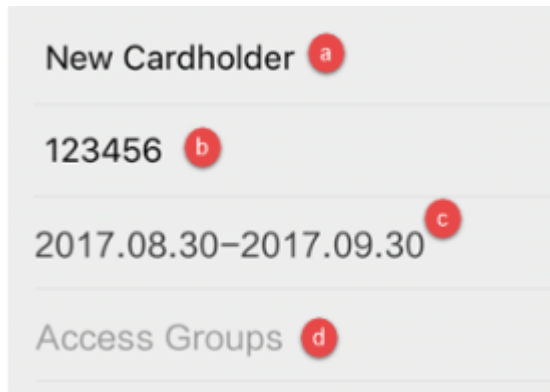


Cardholders

2. Press the add button.



3. Enter Cardholder Details.



New Cardholder **a**

123456 **b**

2017.08.30-2017.09.30 **c**

Access Groups **d**

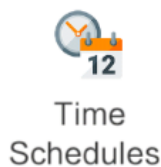
- a. **Name** - Cardholder Full Name.
 - b. **Card Number** - The number printed on the credential.
 - c. **Valid Period** - The date range for which the credential will be active.
 - d. **Access Group** - The times and days-of-the-week that the credential is active.
4. Press **Save** to send the changes to the controller.

9.0 Time Schedules

Time Schedules contain a list of valid access times for each day of the week. These times are associated with access groups. Access groups are assigned to cardholders to determine when the cardholder can gain access at the door. One advantage of this is that a change to a time schedule will automatically affect all cardholders which are assigned the associated access group.

9.1 Add a New Time Schedule

1. Press the Time Schedules icon on the home screen.



2. Press the add button.
3. Configure the time range for each day by pressing anywhere on the line for that day.

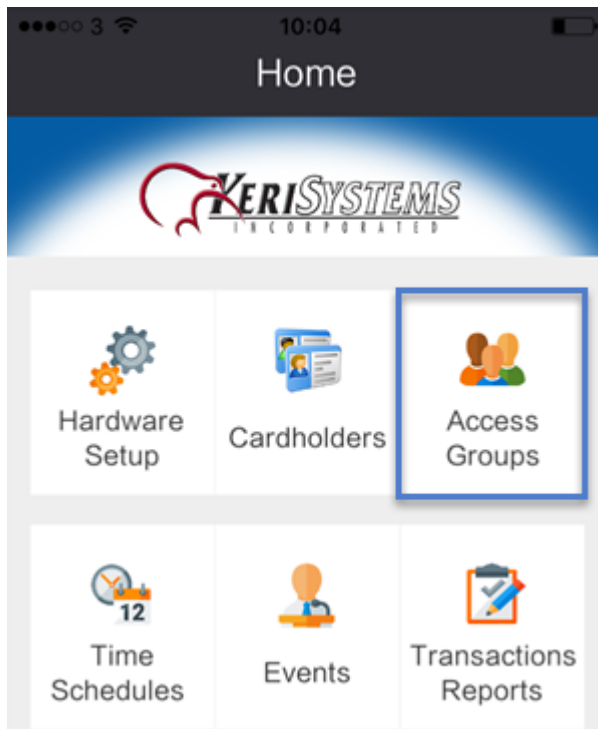
name	
Mon.	00:00-08:00
Tue.	00:00-23:59
Wed.	00:00-23:59
Thu.	00:00-23:59
Fri.	00:00-23:59
Sat.	00:00-23:59
Sun.	00:00-23:59

4. Press the **Save** button to send changes to the controller.

10.0 Add a New Access Group

The cardholder's assigned access group determines when the cardholders are able to gain access. By default, the cardholder is assigned the Total Access group (access can be gain at the door all day, seven days a week. Before creating a new access group (with restricted access) you will first need to create a time schedule (see section 6.0).

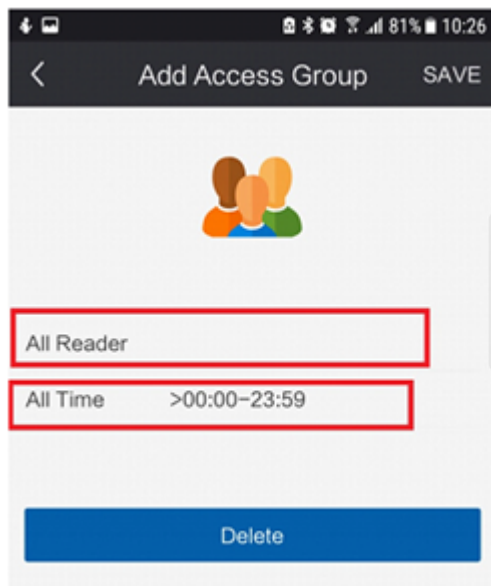
1. Press the Access Groups icon located on the home screen.



2. Press the red add icon.



3. Select which readers will be added to the access group.
4. Select a time schedule to assign to the access group.

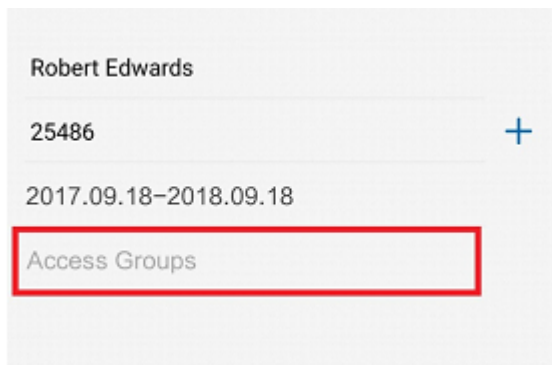


5. Press **SAVE**.
6. The new access group can now be assigned to cardholders.

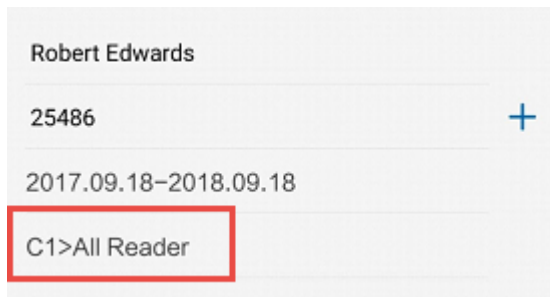
11.0 Assign an Access Group

The following steps explain how to assign a different access group to a cardholder.

1. Press the Cardholders icon on the home screen.
2. You will see the list of cardholders.
3. Select a cardholder.
4. The cardholder record will open.
5. Press on the assigned access group name.



6. Select a different access group for the cardholder.

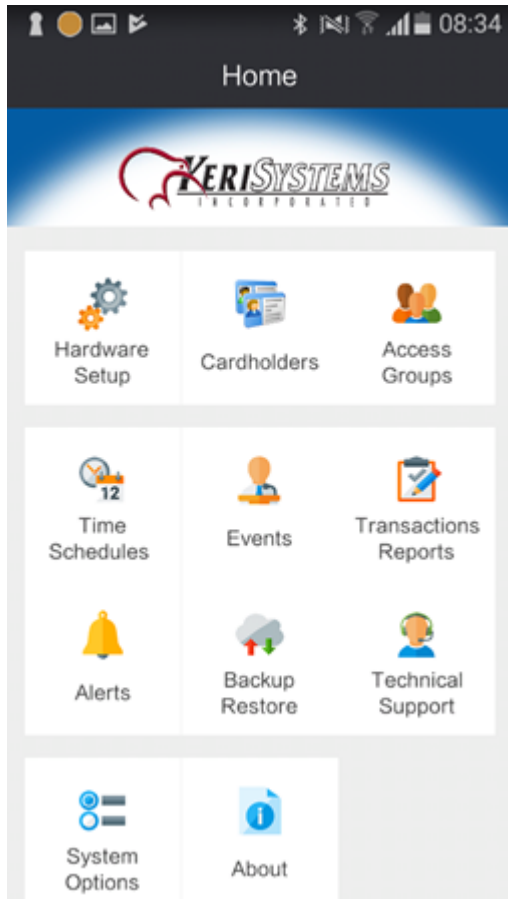


7. Press **SAVE**.
8. The new access group will now be assigned.

12.0 Firmware Upgrade Procedure

These are the steps you should take to perform a firmware upgrade on the Intelliprox Blue:

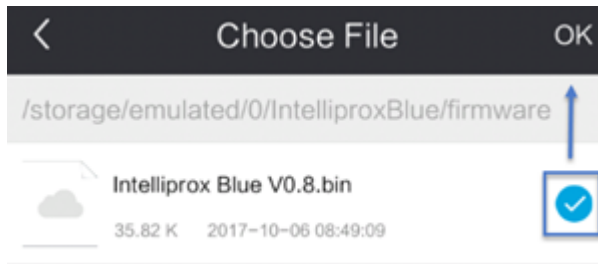
1. From the homescreen, press **Backup/Restore**.



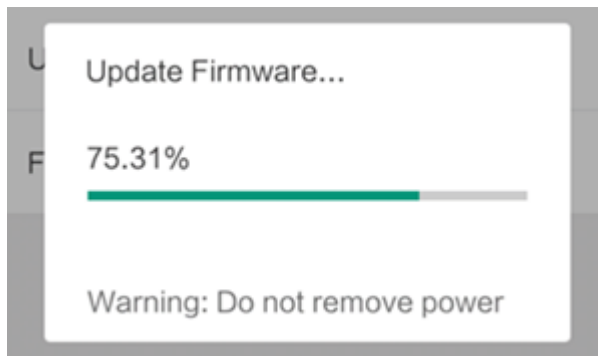
2. Press **Update Firmware**.
3. On your smart device, navigate to the IntelliproxBlue folder on your phone and then locate the folder named 'Firmware'.

NOTE: At this point you will need to be connected to the Intelliprox Blue.

4. In this folder you will have the most recent firmware file.



5. Select the file and press OK (in the top right).
6. Please be patient as the upgrade will take several minutes.



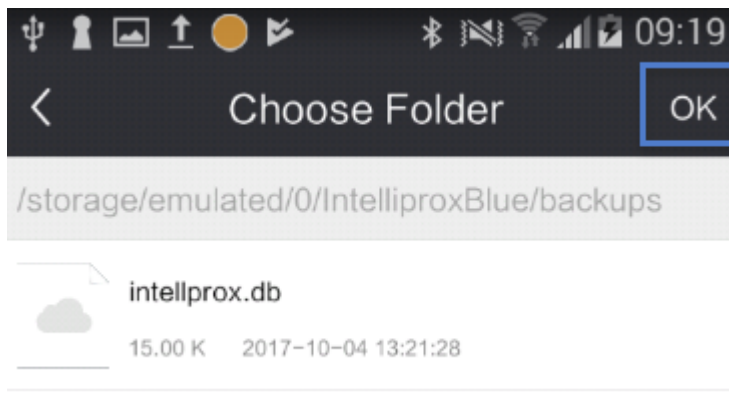
IMPORTANT NOTE: As per the on-screen notification: Do **NOT** remove power from the controller.

7. The update process should take approximately 2-3 minutes.
8. To check the firmware version on the controller, tap 'Firmware Version'.

13.0 Creating a Backup

The following steps explain how to perform a full backup of the database.

1. From the homescreen, press **Backup/Restore**.
2. Press **Back-up**.
3. On your smart device, navigate to the 'IntelliproxBlue' folder and then into the 'Backups'
4. Press OK (in the top right corner) once you have selected the Backups folder.

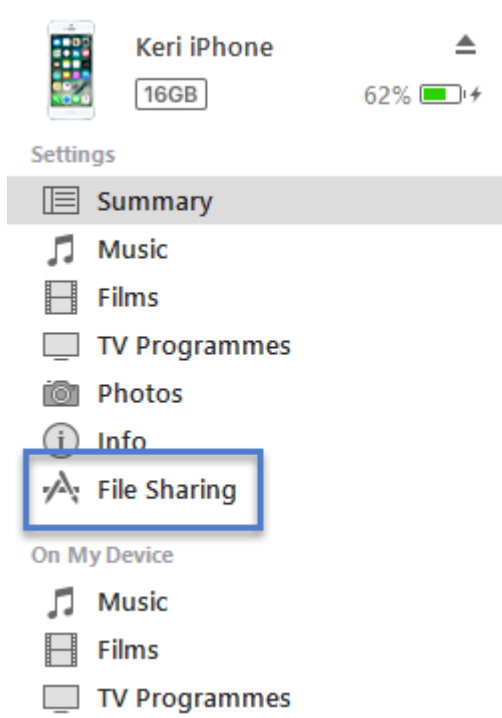


5. You should then connect the smart device to a PC and use File Explorer to transfer the backup file from the smart device to a portable store device (such as USB thumb-drive).

13.1 Save Backup File to a PC - iOS Device

If you are using an iOS device you will have to use iTunes to obtain a copy of the backup file. The following steps explain how to copy the backup file to the PC via iTUNES.

1. Connect your iOS device to the PC.
2. Open iTunes on the PC.
3. Log into iTunes.
4. Click on the small iPhone/iPad icon.
5. The device's main menu will appear on the left side of the screen.
6. Click on File Sharing.

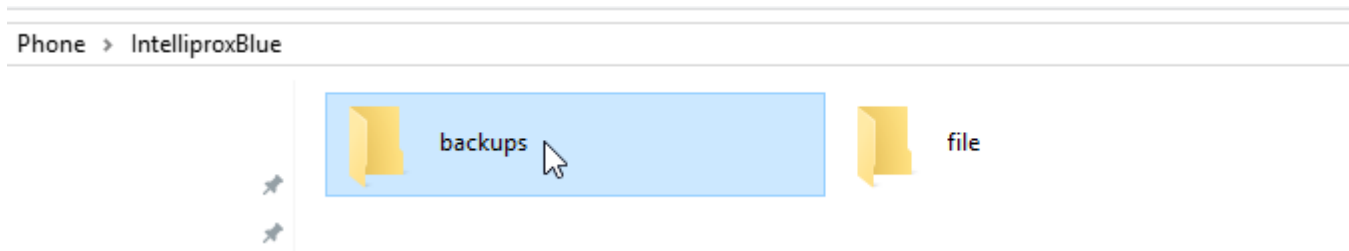


7. Select the Intelliprox Blue installed app.
8. You will see the units main directories.
9. Select the **Intelliprox Blue** folder then click the SAVE TO... button.
10. Save the subfolder to a location on the PC.

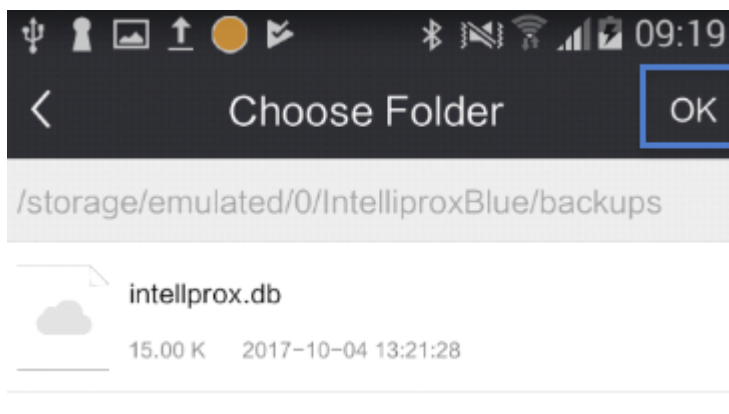
14.0 Restore

14.1 Using an Android Device

1. Insert the USB drive into a PC.
2. Connect the smart device to the PC (you may have to wait a few moments while the device(s) are installed).
3. Open the contents of the USB drive and copy the Intelliprox Blue database file.
4. Open the contents of the smart device that will be used to administer the Intelliprox Blue.
5. Navigate to the folder named 'IntelliproxBlue'.
6. Open the contents of the IntelliproxBlue folder.
7. Open the folder named 'Backups'.



8. Paste the backup file which you have copied from the USB drive.
9. Once copied-across, disconnect the smart device from the PC.
10. Log into the Intelliprox Blue app.
11. On the home screen, press **Backup/Restore**.
12. Press **Restore**.
13. Navigate to the IntelliproxBlue folder >> then open the Backups folder.
14. Selected the database file which you copied to that location.
15. Press OK.



16. You should see a success notification.

14.2 Using an iOS Device

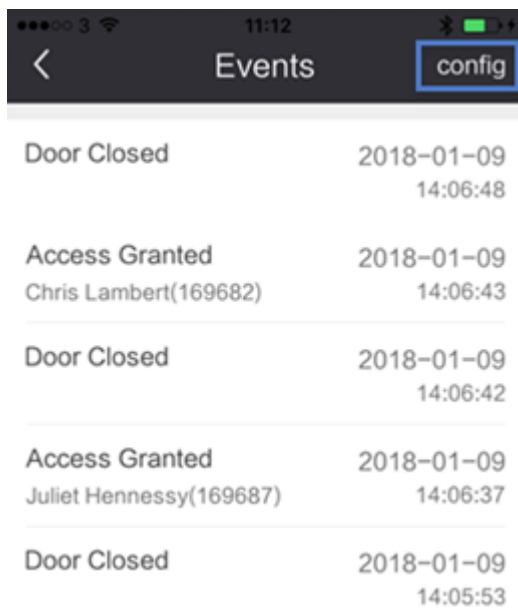
The following steps assume you have the backup file saved on the PC.

1. Connect the iOS device to the PC.
2. Open and log in to iTunes.
3. Click on the small iPhone or iPad icon.
4. Click Apps/Installed Apps.
5. You will see the main directories on the right.
6. Select the Intelliprox Blue directory.
7. Click the ADD FILE button.
8. Navigate to the location of the backup file, then select the file.
9. You can now close iTunes.
10. Open the Intelliprox Blue app and connect to the unit.
11. Once connected, tap the Backup Restore link on the homepage.
12. Select Restore.
13. Select the backup file (saved using iTunes).
14. Press OK in the top right corner.

15.0 Events



Tap the events icon on the home screen to view the most recent event information generated by the system. These events include: Access granted, access denied, door opened/closed/forced/held, etc.



The list of events is not dynamic, so to retrieve the up-to-date list you will need to return to the home screen then re-open the events screen.

The events list is configurable, allowing you to specify the number of events to display when the events screen is opened. Press the 'config' link in the top right corner then enter the number of recent events to display (1-2500).

16.0 Transaction Reports

Tap the Transactions Reports icon to display the list of all recent system transactions. By default, all events will display:

16.1 Filter Transaction Types

Tap the **ALL** link and you will be able to specify which event types to list. For example; you may just want to list all the access granted or access denied events.

Tap **Reader** - Choose which reader events you wish to display. For example; you may just wish to display the events that have been generated by the Entry reader.

Tap **Time** - Choose whether to list the events in chronological order, or reverse chronological order.

16.2 Export a Report

The transaction reports screen also gives you the option to export a report as a .CSV file. Once you have generated a report, press the export link then select a folder where you wish to save the report. The report will contain all the event information displayed on screen. As it is a .CSV file it can be viewed with Microsoft Excel and can be saved to a PC (as with a database backup file). iOS users will require the use of iTunes to copy the backup file to another location (such as a USB drive).

17.0 Alerts

Tap the alerts icon on the home screen to open the alerts screen.



Alerts

Within this section it is possible to filter critical events in the system, such as the forced door alarm, the door alarm held open, the Anti-passback violation, etc.

18.0 Technical Support

Tap the technical support icon on the home screen to open the technical support screen.