Access Control Proximity Reader with Bluetooth and Keypad

GDG800BT

User Manual

Please read these instructions carefully before operating the unit and keep for further reference.

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Contents

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1. Features & Specification

- Card mode : EM Card / Key Fob
- 1 administrator and 200 users
- 200 proximity cards / key fobs
- Access modes : Bluetooth via app on Smartphone, card, key fob and keypad
- Built-in tamper alarm and buzzer (85dB)
- User management : Add, delete and view user data, grant user access for specific dates or time periods, change user passcode
- Alarm output to notify that the tamper alarm has been triggered
- Overhead LED's and backlit keys for easy use in the dark
- Wrong code lockout enabling the reader to lock down for 60 seconds if an incorrect passcode is entered 3 times in a row
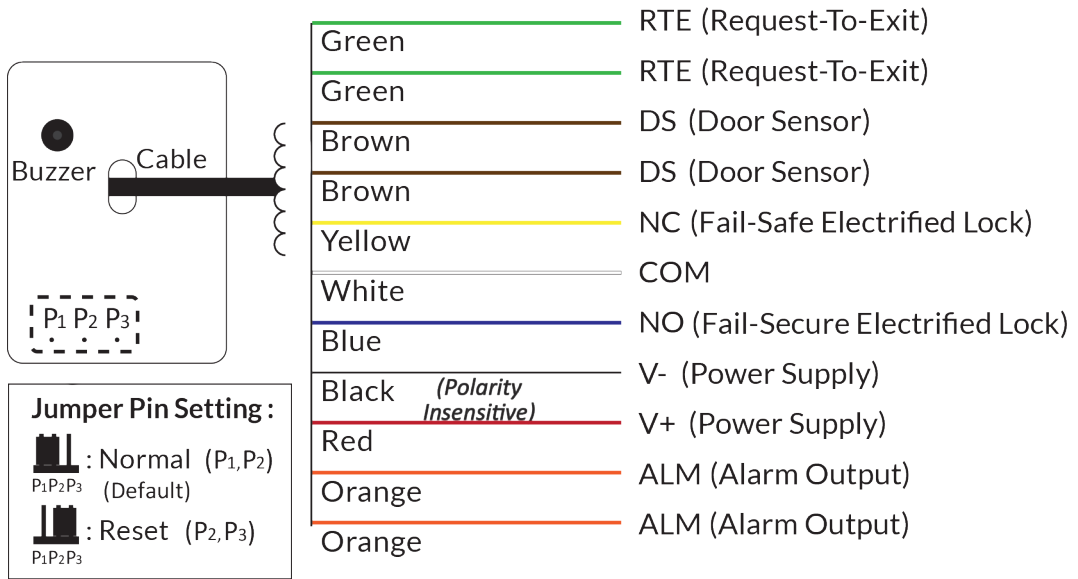- Audit trail logs for 1000 events

Specification

Operating Voltage	DC12V / DC24V
Bluetooth Module	BLE 4.2 Bluetooth Low Energy
Current Draw	Standby Current: 52mA @ DC12V, 30mA @ DC24V, Working Current (Relay Active) : 62mA @ DC12V, 35mA @ DC24V
Read Range	3.5cm
Frequency	EM 125KHz
Smartphone Compatibility	Android 5.0 and up, iOS 9.0 and up
Working Temperature	-20°C ~ +50°C
Dimensions	123 × 79 × 23 mm

LED and Audible Indicators

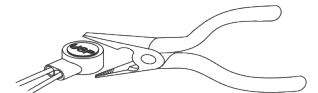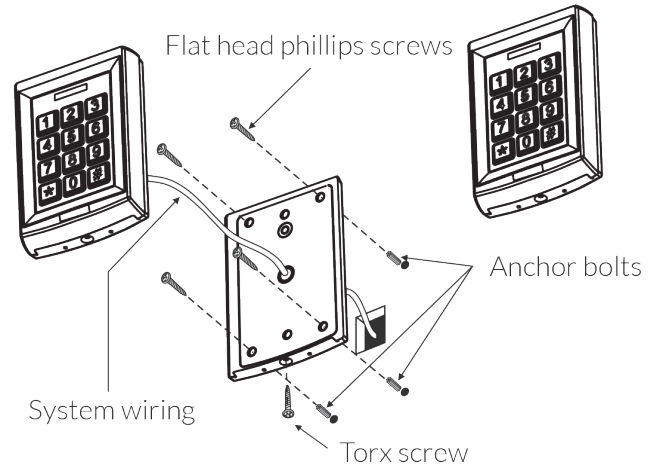| LED	Status	Audible Beeps	Status
Blue	Power on, Standby mode	1 Short beep	Key press
Green	Unlocked, Door always unlocked	1 Long beep	Valid access, Reset is completed
		2 Short beeps	Login completed
Red	Invalid access, Door always locked	3 Short beeps	Invalid access, Forget to press # after entering passcode within 30 seconds
		Constant beeping	Bluetooth device vandalised, Door sensor is on

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2. Wiring Diagram

Wire	Function
Green	RTE (Request-To-Exit)
Green	RTE (Request-To-Exit)
Brown	DS (Door Sensor)
Brown	DS (Door Sensor)
Yellow	NC (Fail-Safe Electrified Lock)
White	COM
Blue	NO (Fail-Secure Electrified Lock)
Black *(Polarity Insensitive)*	V- (Power Supply)
Red	V+ (Power Supply)
Orange	ALM (Alarm Output)
Orange	ALM (Alarm Output)

Buzzer Cable

P₁ P₂ P₃

Jumper Pin Setting :

: Normal (P_1, P_2)
$P_1 P_2 P_3$ (Default)

: Reset (P_2, P_3)
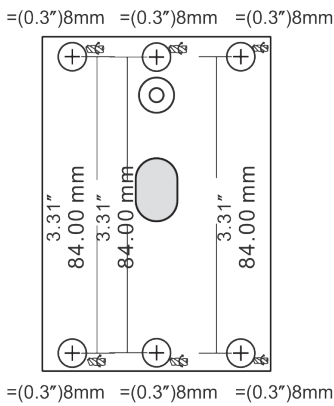$P_1 P_2 P_3$

Reset Procedures
1. Power off Access Control Reader.
2. Move the Pin Jumper to P2 and P3, then power on.
3. Hear a long beep to complete resetting procedures.
4. Move the Pin Jumper back to P1 and P2 to Normal setting.
5. Login as Admin and check all users, audit trail events are all cleared and everything is reset to factory default setting, except device name.

Crimp connectors included:

Use a pair of crimping pliers designed to crimp insulated connectors. Place the crimp connector into the compression slot. Be sure the crimping jaws are positioned over the stripped portion of the wire. Squeeze the handles together with enough force to crush the end of the butt splice.

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3. Installation

1. Open DG-800+ Keypad by loosening and removing the back case torx screw at the bottom with the torx wrench.
2. Use the provided drilling template to accurately locate and drill the required holes.
3. Use the screws provided to mount the back case on the wall. Be sure to draw the wiring through the large centre hole in back case, and keep level.
4. Connect accurately the system wiring following the label enclosed on the rear
5. Put the unit back and screw it on by using the torx wrench.

Parts List

Flat head phillips screws, Cone point x4

Torx screw 3x8mm x1

Torx wrench x1

Anchor bolts x4

Crimp connectors x12

Proximity EM cards x2

Proximity key fob x1

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4. The App Guide

Download the App
From either the Apple App store or Google Play, download the Easiprox app on your smartphone (Android 5.0 and up, iOS 9.0 and up).

Easiprox

App Introduction

1. Login
Administrator: Enter Admin ID and Passcode to login.
Admin ID: ADMIN
Default Admin Passcode: 12345 (Passcode: 4~8 digits)
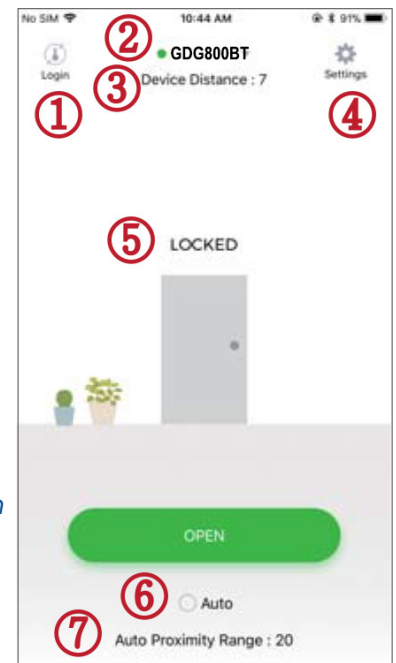User: Enter User ID and User Passcode to login.

User ID and User Passcode are given by the Administrator.

Note:
Administrator ID "ADMIN" can not be changed.
Please change Admin's default passcode "12345" right after you login as the Admin. Go to the "Settings" page, press Admin Passcode to Edit Admin Passcode.

Login Success / Login Failure indications will be shown as following:
- ***Login Success****: You Have Successfully Logged In: You May Now Unlock A Door.*
- ***Login Failure****: Login Failed. Please Verify Your Login Information Or Contact Your Administrator.*

2. Device Name
Tap and choose which device you want to unlock by pulling down the Device name listing.

3. Device Distance
The distance between you and the Bluetooth device.

4. Settings
Tap "Settings" to view or change setting functions

5. Entry
Locked : Door lock status is Locked. (Default).
Press the "Open" button or the door icon to unlock the door.

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6. Auto
Press "Auto" to enable the auto unlock function to access.
Make sure to disable "Auto" before pressing "Settings" to enter the settings page.

7. Auto Proximity Range
Adjust Auto Proximity Range in the Settings page. The range is between 0 to maximum 20 and it may have different results under different circumstances upon Bluetooth signal strength.

The Administrator "Settings" Page

Tap "Settings" to view or change setting functions.

1. Users (See Figure 1 below)
- Add / Delete / Edit user information.
- If there are many users, you can search User ID (Enter an User ID to search user). (See Figure 2 below)
- ID (Up to 16 characters)
- Passcode (4–8 digits)
- Card / Fob number: Enter or Edit 10 numbers from a card or key fob.
- Phone Access: Enable / Disable phone access for a user. (See Figure 3 below)
- Keypad Access: Enable / Disable keypad access for a user. (See Figure 3 below)
- Card / Fob Access: Enable / Disable Card and Key Fob access for a user. (See Figure 3 below)
- Access Type: (4 options) (See Figure 4 next page)
- Permanent: Permanent access is given by default.
- Temporary: Set specific access time period for guests and visitors.
- Number of Times: To set number of access granted to user. (Please enter a number between 0 to 255)
- Scheduled: To assign repeatedly access on specific days and hours for a certain period of time. This setting is useful for house cleaners or constructors who need temporary access on regular basis. (See Figure 4 and 5 next page).
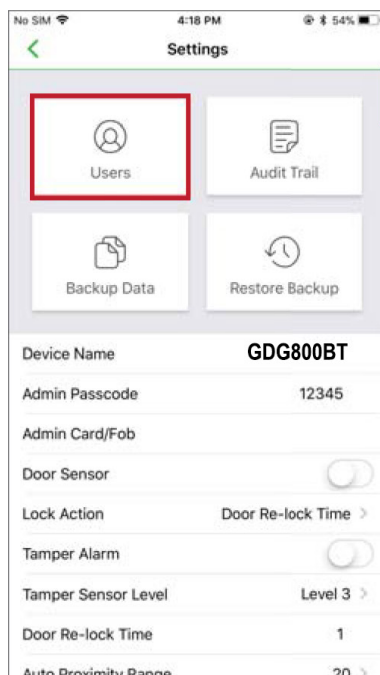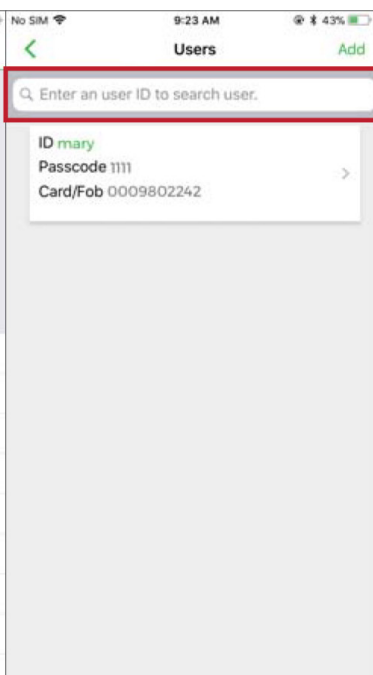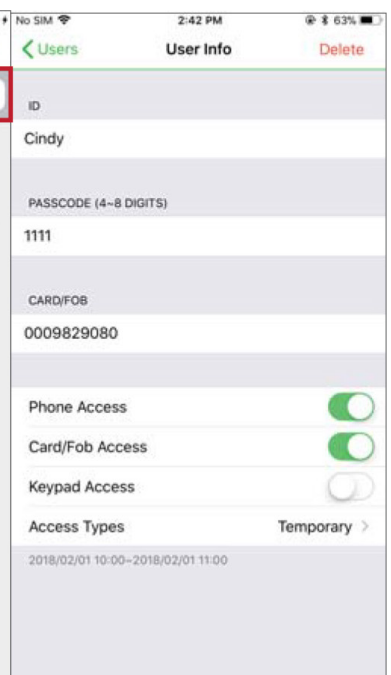

Figure 1   Figure 2   Figure 3

2. Audit Trail (See Figure 6 and 7)
   - Audit Trail is tracking last 1000 event logs including Tamper Alarm.
   - Enter an user ID to search events for an user.
   - Tap ⬀ to export all events to excel file.
   - Tap ↻ to refresh all events.

3. Backup Data (See Figure 8)
   - Backup Data is to backup Users, Admin Passcode, Admin Card/Fob, Door Sensor, Lock Action, Tamper Alarm and Door Re-lock Time to Administrator's phone and can be restored except Device Name, Tamper Sensor Level, Auto Proximity Range, About Us and Audit Trail logs.
   - Step 1: Press "Backup Data", the App will show: *Backup all data now?*
   - Step 2: Press Confirm, the App will show: *Backup Status Backup Completed!*

4. Restore Backup (See Figure 8)
   - Restore the last backup data by Admin's phone to a new Access Control Keypad / Reader.
   - Step 1: Press "Restore Backup", the App will show: *Restore all data now?*
   - Step 2: Press Confirm, the App will show: *Restore Status Restore Complete!*
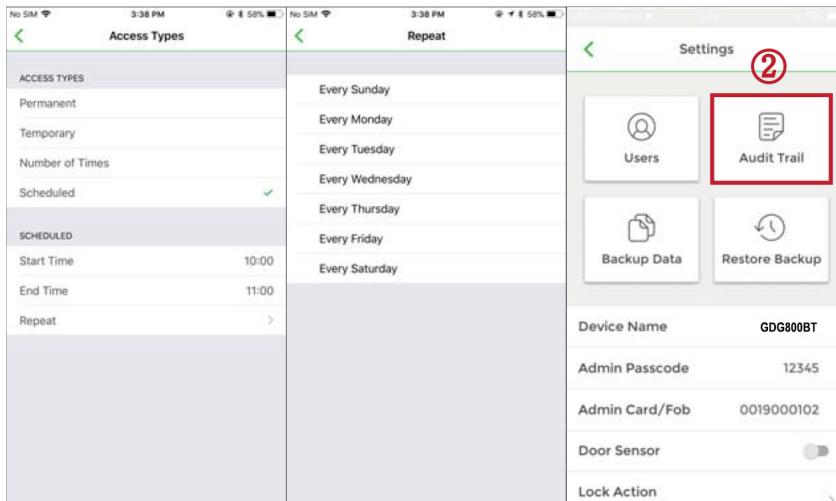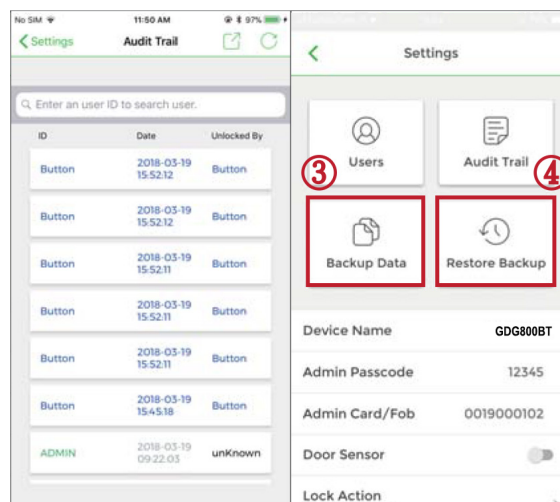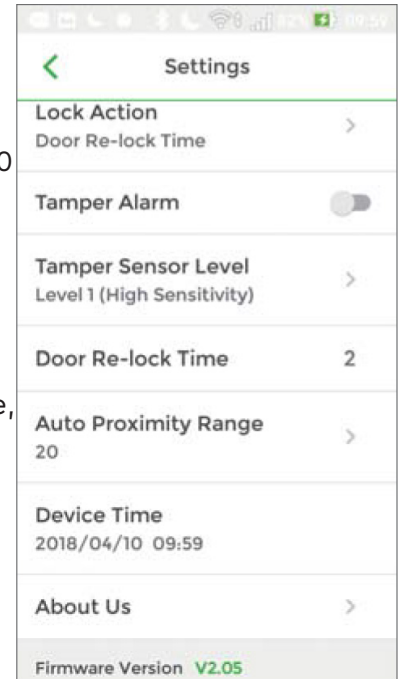
Figure 4	Figure 5	Figure 6

Figure 7	Figure 8

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5. <u>General Settings</u>
- Device Name: Edit Device Name (Up to 16 characters)
- Admin Passcode: Edit Admin Passcode (4~8 digits)
- Admin Card/Fob: Edit Admin Card/Fob number (10 numbers on your card or key fob)
- Door Sensor: Enable Door Sensor when you connect to a closed-circuit magnetic sensor or a monitored door lock that has door sensor (or lock sensor) outputs to monitor the open or closed state of a door
- Lock Action (3 options): Choose Door Re-lock Time, Door Always Unlocked, and Door Always Locked.
- Tamper Alarm: If the device is vandalised, the tamper alarm will beep immediately and won't go off until it's switched off by Administrator.
- Tamper Sensor Level: Level 1 (High Sensitivity), Level 2 (Mid Sensitivity), Level 3 (Low Sensitivity)
- Door Re-lock Time: 6 seconds by default. Edit the Door Re-lock Time interval between 1 to 1800 seconds.
- Auto Proximity Range: Adjust Auto Proximity Range here. The range is between 0 to maximum 20 and it may have different results under different circumstances.
- Device Time: Make sure the Device Time is precisely synced with your current time zone to have correct and precise access data and information.
- About us: View Device Models, App version, Website and E-Mail information.
- Firmware version: See Firmware version of your Bluetooth Access Control Keypads/Readers.

User's Settings
Tap "Settings" to view or change setting functions in User's "Settings" Page. (See Figure 10 below)

- Device Name: User can only view the Device Name. (See Figure 11 below)
- Auto Proximity Range: User can adjust Auto proximity range between 0 to maximum 20 to access. May have different results under different circumstances. (See Figure 12 below)
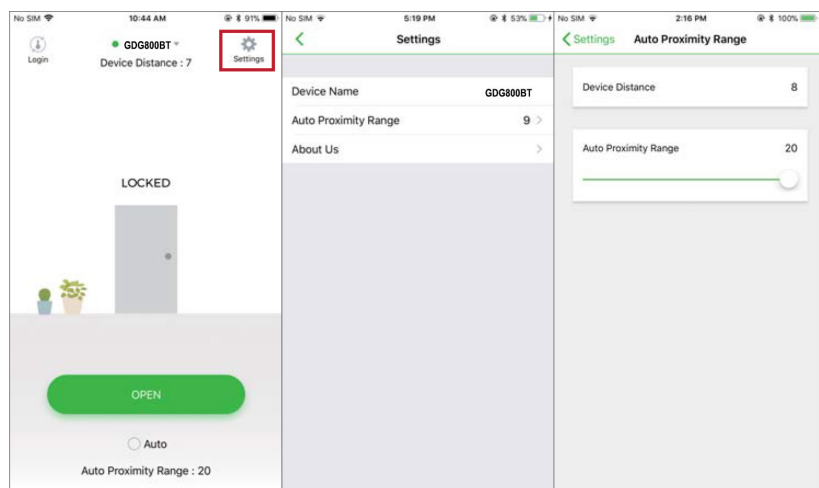- About Us: View Device models, App version, Website information.

Figure 10   Figure 11   Figure 12

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