Control iD

iDTouch - Quick Guide

Thank you for purchasing the iDTouch Access Control Keyboard! For more information, visit:

www.controlid.com.br/en/access-control/idtouch/

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1. Material Required

To install your iDTouch, the following items are required: drill, three wall plugs with the respective screws, screwdriver or Philips screwdriver and 12V supply of at least 1A.
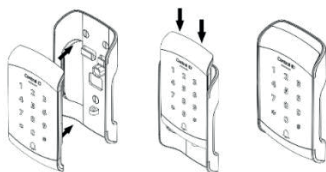
2. Installation

For the correct functioning of your iDTouch, the following precautions must be taken:

- No objects should be less than 20 cm away from the sides of the equipment.
- Avoid metallic objects near the back of the equipment so as not to impair the reach of the proximity card reader. In case this is not possible, use insulating spacers.
- The iDTouch must be fixed at a height in the range of 1.00 m and 1.40 m from the ground.
- Before fixing the device, ensure that all cables have been correctly connected.

Installation of the equipment is simple and should follow the sequence below:

1. Remove the iDTouch rear plastic bracket

2. Use the template on the back of this guide to drill the three fixing holes

3. Completely insert the bushings into the holes made

4. Pass all cables required for operation through the hole in the mounting bracket and connect them to the respective iDTouch connectors.

5. Snap the iDTouch onto the support piece, sliding the main equipment from top to bottom

6. Insert the screw provided at the bottom and secure it with the screwdriver.

3. Description of Connection Pins

For easy installation, the iDTouch has two connectors on the back that are responsible for product power, Wiegand communication, and port control and monitoring.

3.1. Connector of 6 pins (Power and Wiegand)

+12V	Red	Power supply of ±12V
GND	Black	Ground of the Power Supply
WIN0/RX	Green/BR	Wiegand Input – DATA0
WIN1	Green	Wiegand Input – DATA1
WOUT0/TX	Yellow/BR	Wiegand Output – DATA0
WOUT1	Yellow	Wiegand Output – DATA1

⚠ The connection to a +12V source of at least 1A is essential for the correct operation of the equipment.

⚠ An external Wiegand card reader can be connected to Wiegand inputs WIN0 and WIN1. In case there is a controller board, we can connect the Wiegand outputs WOUT0 and WOUT1 to the controller so that the user id identified in iDTouch is transferred to the controller.
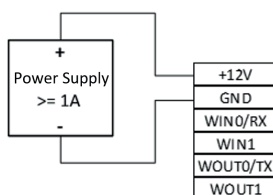
3.2. 5-pin connector (Relay and Bell Control)

BT	Blue	Input for Button (Relay)
NO	White	Normally Open Contact (Relay)
CO	Orange	Common Contact (Relay)
NC	Purple	Normally Closed Contact (Relay)
BELL	Brown	Output to Bell

4. iDTouch Getting Started Operations

4.1. Turning on iDTouch

To turn on the iDTouch, connect the 12V 1A source according to the following schematic:

4.2. Programming Mode

To access iDTouch settings, enter Programming mode by performing the following steps

1. Press (*) to go to Standby Mode

2. In Standby Mode, press (#)

3. The Green LED will be blinking

4. Enter the programming password (default: 12345) and press (#) again

5. The Green LED will be on

4.3. User Registration by Password Only

To register a password, follow the steps:

1. Go to Programming Mode

2. Press (1) and then press (#)

3. The green LED will be flashing

4. Enter the 4 digits of the user id and press (#)

5. The device will beep 2 times

6. Enter the password (between 4 and 6 digits) and press (#)

7. A long beep indicates successful programming

8. Press (*) to return to Standby Mode

4.4. User Registration by Card Only

To register a user with an RFID card, follow the steps below:

1. Go to Programming Mode

2. Press (1) and then press (#)

3. The green LED will be flashing

4. Enter the 4 digits of the user id and press (#)

5. The device will beep 2 times

6. Approach the card to be registered

7. A long beep indicates successful programming

8. Press (*) to return to Standby Mode

## 5. Wiegand communication protocol

iDTouch communicates with other devices using the Wiegand protocol.

To use iDTouch together with an iDProx for input and output control, just connect them as follows:
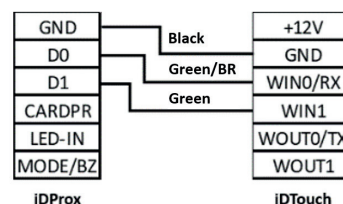
⚠ Cable colors refer to iDTouch.

It is also possible to connect the iDTouch to one of the inputs on a controller board or access controller. For this, the following connections must be made:
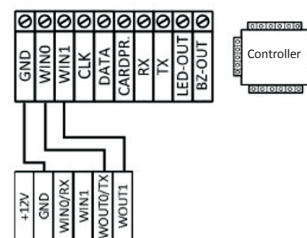
⚠ Input names may vary depending on the controller model.

6. Types of Locks

The iDTouch, through its internal relay of up to 220VAC and 5A, is compatible with practically all types of locks available on the market.

⚠ It is necessary to position the diode, which comes with the iDTouch, as close as possible to the locks.
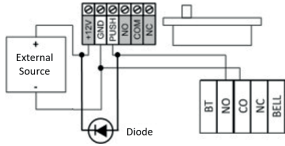
6.1. Electromagnet

To install an electromagnet lock together with the iDTouch, simply make the connections indicated in the image below:
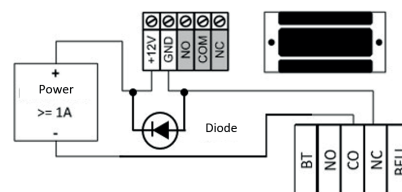
6.2. Pin-Solenoid

To control a Pin-Solenoid type lock from the iDTouch, connect the ports of the two devices according to the following diagram:
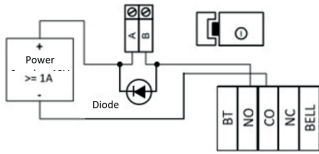

⚠ The terminals indicated in gray may not be present on all locks.
In case there is a power supply input (+12V or +24V), it is essential to connect it to a power supply before operating the lock.

6.3. Electromechanical Lock

For iDTouch to control the Electromechanical lock, just make the connections explained in the schematic below:

⚠Confirm the operating voltage of the lock before connecting it to iDTouch. Many electromechanical locks operate with 110V/220V and, therefore, must use the link in item 6.3.2 of the User Manual, whose link is: https://www.controlid.com.br/manual/idtouch- manual.pdf
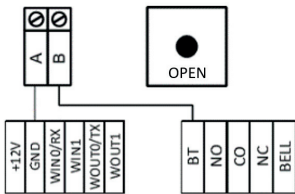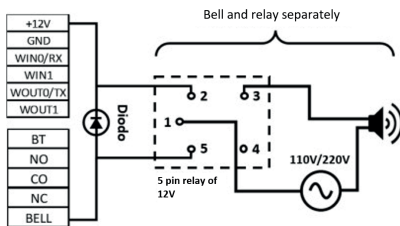
7. Pushbutton and Alarm

It is possible to connect the iDTouch to a pushbutton panel to open the door and to a module with bell and relay (a separate module) to control a simple alarm system. The connections can be seen in the following diagrams:

7.1. Pushbutton Connection

7.2. Bell Output

⚠ It is necessary to position the diode, which comes with the iDTouch, as close as possible to the relay.

8. Key Operations of iDTouch

Check out the procedures to carry out the main operations of iDTouch on the following table.

Operation	Procedures				
	1	2	3	4	5
Cancel all operations	Press * key				
Enter Programming Mode	Press # key	Programming Password DDDDdd + #			
Login with password	User Password: DDDDdd + #				
Identify yourself with card	Approach card				
Identify yourself with card and password	Approach card	User Password: DDDDdd + #			
Identify yourself with password and card	User Password: DDDDdd + #	Approach card			
Change Programming Mode Password	Enter Programming Menu	0 + #	Enter password: DDDDdd + #	Confirm: DDDDdd + #	
Register User with Password	Enter Programming Menu	1 + #	Enter ID: DDDD + #	Password: DDDDdd + #	
Register User with Card	Enter Programming Menu	1 + #	Enter ID: DDDD + #	Approach Card	
Delete user by ID	Enter Programming Menu	2 + #	Enter ID: DDDD + #		
Delete user by card	Enter Programming Menu	2 + #	Approach card		
Delete all users	Enter Programming Menu	3 + #	Confirmation: 1111 + #		
Door opening time	Enter Programming Menu	4 + #	Enter DD + # (10=1s, 20=2s)		
Register User with Cards in Sequence	Enter Programming Menu	5 + #	Enter ID: DDDD + #	1st Card + # + 2nd Card + # + ...	Finish by pressing #
Enable Sync in mode	Enter Programming Menu	6 + #			
Enable Sync out mode	Enter Programming Menu	7 + #			
Restore factory settings	Enter Programming Menu	8 + #	Confirmation: 4455 + #		
Blocking in case of 10 access attempts with wrong passwords	Enter Programming Menu	9 + #	0 + # (Turn off) 1 + # (Turn on)		
Verification mode	Enter Programming Menu	10 + #	0 + # (Card Only) 1 + # (Card or Password) 2 + # (Card and Password)		
Turn off LEDs in case of inactivity	Enter Programming Menu	11 + #	0 + # (Turn off) 1 + # (Turn on)		
Register User with Card and Password	Enter Programming Menu	12 + #	Enter ID: DDDD + #	Approach Card	Password: DDDDdd + #
Register User with Password and Card	Enter Programming Menu	12 + #	Enter ID: DDDD + #	Password: DDDDdd + #	Approach Card
Restore full factory settings	Enter Programming Menu	13 + #	Confirmation: 228855 + #		
Wiegand keyboard mode	Enter Programming Menu	14 + #	0 + # (Turn off) 1 + # (Turn on)		
Wiegand Output Mode	Enter Programming Menu	15 + #	0 + # (26 bits), 1 + # (32 bits), 2 + # (34 bits), 3 + # (66 bits)		
Enable receiving firmware update	Enter Programming Menu	777435 + #			
Enable firmware upload	Enter Programming Menu	777441 + #			

Caption: (D) Mandatory digits;
(d) Optional Digits;
(#) Tic-Tac-Toe Key;
(*) Asterisk Key