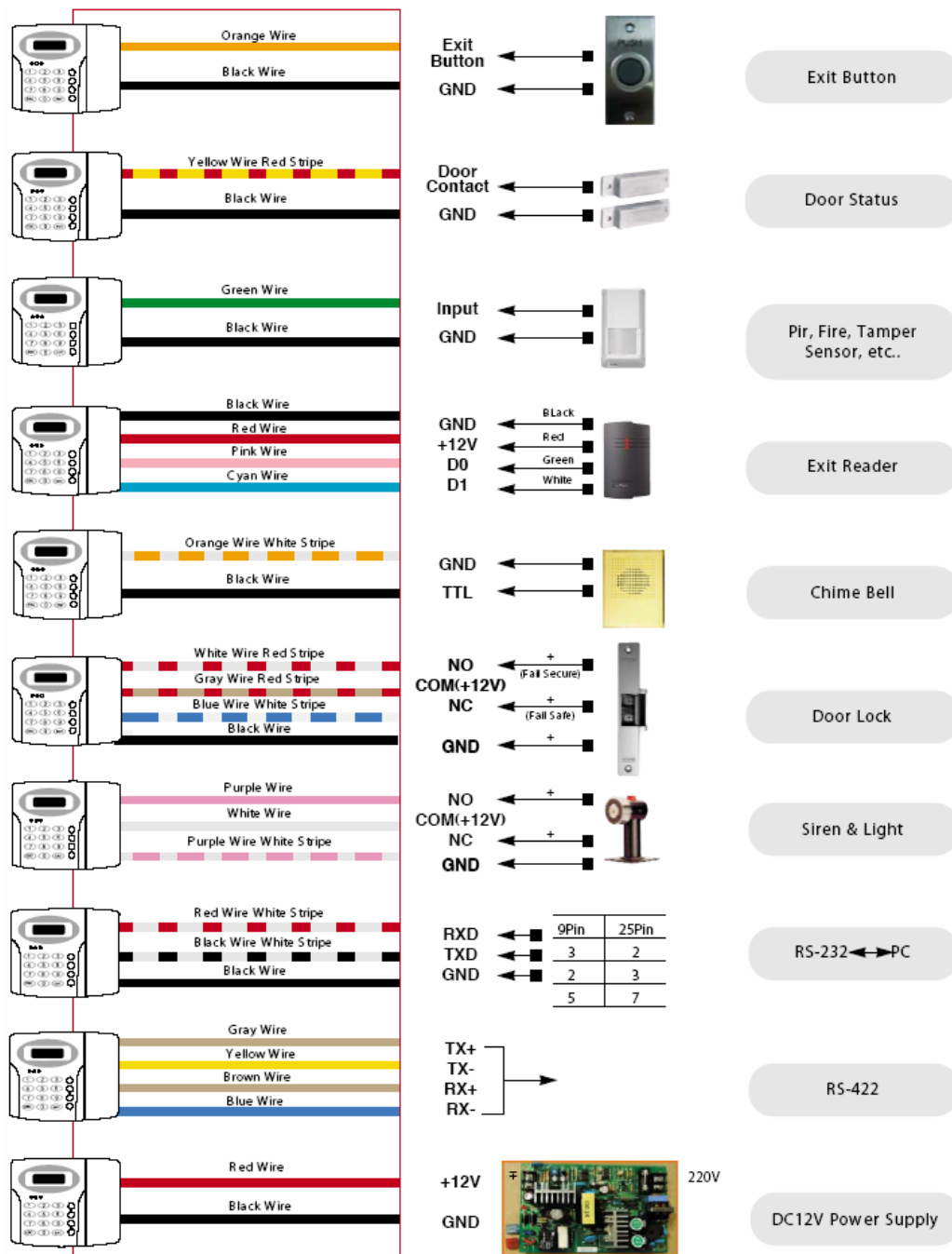


## 1. Check Environment

### 1.1 Check the power source

Before wiring, please check the voltage/current (DC12V/ 350mA) that will be input to the 505R.

### 1.2 Connection Diagram



## 2. Setup Hardware

### 2.1 Backup Battery setup and Hardware Initialization

2.1.1 Set up the switch located in the upper-left on the back of the device from 'OFF' to 'ON' as the picture below.



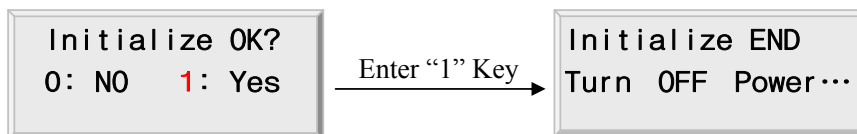
2.1.2 Connect those Pink and Cyan wires with the Black wire and then turn the power on.



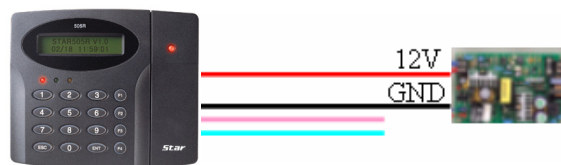
2.1.3 The message "Initialize OK?" will be shown on the LCD.

2.1.4 If "1" on the keypad is selected, the message "Initialize END Turn OFF Power.." will be shown on the LCD.

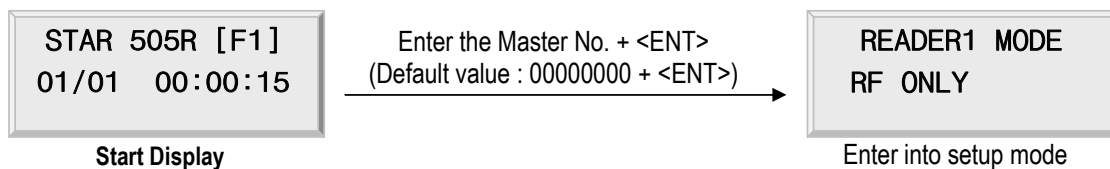
Turn the power off.



2.1.5 Disconnect those 3 wires (Black, Pink and Cyan).



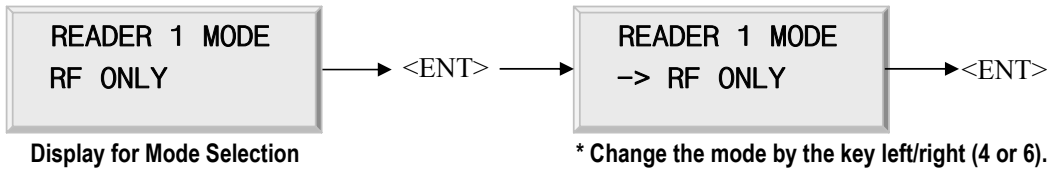
## 3. Setup Controller parameter



Key '4' or '6': Left/Right  
 Key '2' or '8': Up/Down  
 ENT: Change or Enter  
 ESC: Cancel

In the case of SR505, press <0> key (Default setting "000000000"+ENT) 10 times to enter the SETUP MENU.

3.1 Mode Setting (F1 Menu)

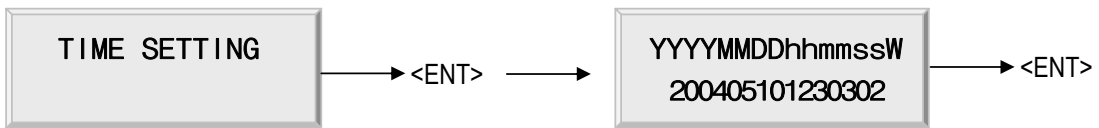


Display for Mode Selection

\* Change the mode by the key left/right (4 or 6).

RF-Only mode: In/Out by the Card  
 RF + P/W mode: In/Out by the Card + Password  
 PIN-Only mode: PIN (4 ~ 6 digits) – This function is not applicable for SR505.

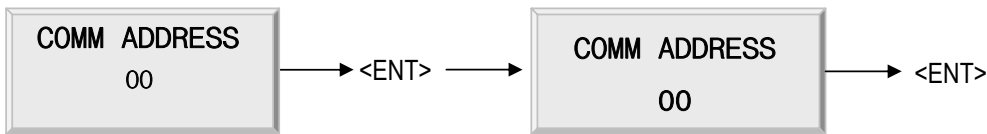
3.2 Date/Time setting (Select "TIME SETTING" Menu by the Key '4' or '6')



Display for Date/Time setting

YYYY: Year, MM: Month, DD: Date  
 hh: Hour (24-hour system), mm: Minute, ss: Second  
 W: Sun=1, Mon=2, Tue=3, Wed=4, Thu=5, Fri=6, Sat=7  
 Example: 200405101230302 => 12:30:30, Monday, May 10, 2004

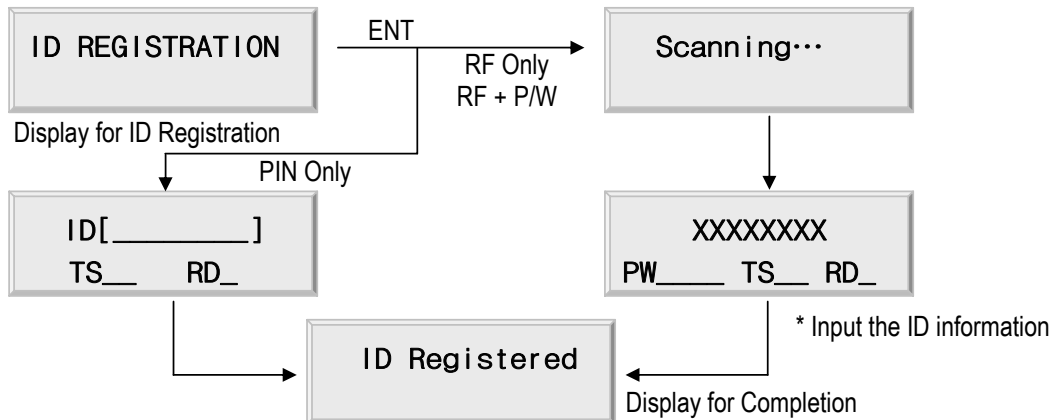
3.3 COMM Address Setting (Select "COMM ADDRESS" Menu by the Key '4' or '6')



Display for COMM Address setting

Press "ENT" and enter the address number (00~ 31) for communication address.

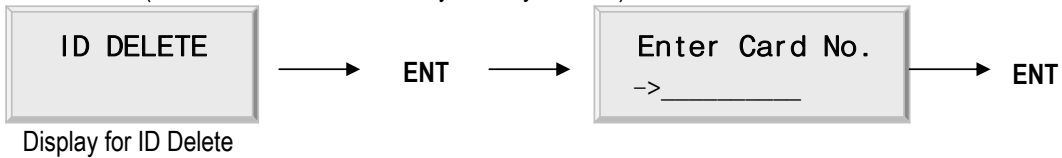
3.4 Card Registration (Enter F3)



RF Only, RF + P/W mode: Register Card & P/W  
 PIN-Only mode: Register PIN (4 ~ 6 digits) – Not applicable for the SR505.

< INPUT THE ID INFORMATION >  
 ID: RF-Only, RF + P/W mode – Card Reading by the reader  
     PIN Only: Register PIN (4 ~ 6 digits) – Not applicable for the SR505.  
 TS: Time Schedule code (Enter the default setting value "00")  
     - Enter such code for applying T/S  
 RD: Setup to use the reader or not (Enter the default setting value "3")  
     1 – To be read only by the reader of 505R  
     2 – To be read only by the outer reader  
     3 – To be read by the both readers

**3.5 Delete Card** (Select "ID DELETE" Menu by the Key '4' or '6')



Present the card for reading or enter 4~6-digit No. for deleting.  
 PIN only mode: 4 ~ 6-digit No. – Not applicable for the SR505.  
 RF-only, RF+PW mode: 8-digit (SR505: 10-digit) card No.

**4. Normal Operation**

**4.1 Power ON**

When the power is applied to **505R**, the **Red LED** (LED1) is turned on.

**4.2 Registered card reading**

When a registered card (or PIN) is read, the Door (Relay 1) will be opened for 3 seconds (Default) with the **Green LED** (LED2) light on.

**4.3 Exit Button**

The Exit Button or the Exit Reader should be installed inside.

When the Exit Button is pressed, the door will be opened for 3 seconds with the **Green LED** (LED2) light on.

**4.4 Alarm (Unregistered ID /PW Error / TS Error / Door Error)**

When an unregistered card is read, or any wrong password is input, or any error over the time schedule and the door access is occurred, the access is denied and the alarm will be activated for 3 seconds (Default) with the **Yellow LED** (LED 3) light on.



LED1: Power ON/OFF Status  
 LED2: Door Relay Status  
 LED3: Alarm Relay Status