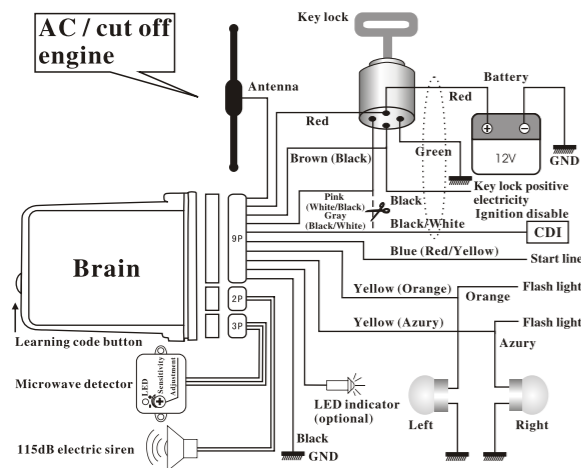
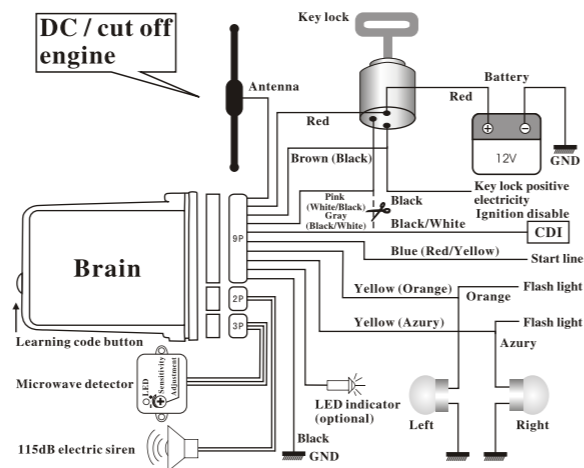


### 3. Installation Diagram



( Note: Factory setting is AC output )



( Note: Factory setting is DC output )

## TWO-WAY MOTORCYCLE ALARM SYSTEM






### USER MANUAL

It is recommended to read this manual carefully before using, please keep it for future reference.




## 1. Functions

### 1.1 Arm

Park the motorcycle and take the key off, then press the button  once to set arm with sound & flash alarm. In this status, (the LED in the brain unit will blink and the flash lights will gleam once), the siren will sound "Beep" once. The remote control will respond with a beep sound to confirm, icons  and  on the display lighting on.




### 1.2 Silent arm

Park the motorcycle and take the key off, press the button  twice to set silent arm mode, The remote control will respond with a beep sound to confirm, then the icons  and  on the display lighting on.



### 1.3 Disarm

In arm status, press the button  once to unlock and disarm the system, the siren will chirp twice and flash lights will gleam twice also. The remote control will beep twice with blinking of icons to confirm.

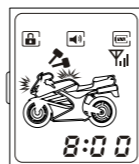
In silent arm status, the siren doesn't chirp.



### 1.4 Shock warning

In arm with sound & flash status, if the system is triggered by shock, the siren will beep for 5 times with gleaming of flash lights. The motorcycle could not be started in this situation. To remind the owner, the remote control will beep for 5 times, then it will be vibrating with blinking of icons (shock and headlight icon). Then the remote will repeat warning once. If it is triggered again within 10 seconds, the siren will chirp for 30 seconds with gleaming of flash lights, the motorcycle could not be started in this situation. The remote control will beep for 30 seconds, it will vibrate for 8 times after alarming, then it will be vibrating with blinking of icons (shock and headlight icon). The system will arm again.

In silent arm status, the siren doesn't chirp.





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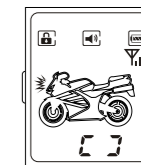
### 1.5 Microwave detecting (optional)

In arm status, if microwave detector detects any continuous movement of human or object for 5 seconds, the system will turn off the engine, lights will be off, the siren will sound "Bi" 5 times the system, enter into the 1<sup>st</sup> grade arming status, the transmitter will sound "Bi" 5 times & vibrate once, the light icon and "E" will be shown, the back ground color turns to green, the transmitter will repeat warning in this way for one time. If microwave detector detects any continuous movement of human or object for 15 seconds, the engine will be cut off, the flash lights will gleam, the siren will chirp for 30 seconds, the system enter into the 2<sup>nd</sup> grade arming status, the transmitter will sound "Bi Bi Bi" for 30 seconds, the light icon will be shown, and the back ground light turn to yellow. The transmitter will vibrate 8 times during warning.

In silent arm status, the siren will not chirp.

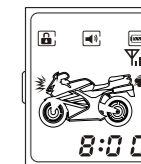
Press  +  to set the microwave function, the function is on when "E" icon twinkles on the screen, the function is off when the "E" icon does not twinkle on the screen.

When parking in the rain, the microwave sensor can detect the rain drops to make the system alarming, you can cut off the microwave function with transmitter when raining. Then turn on the function after raining.




### 1.6 ACC ON trigger

In arm status, if anyone tries to start the motorcycle (ACC ON), the siren will chirp for 30 seconds with gleaming of flash lights. The motorcycle could not be started. To remind the owner, the remote control will beep for 30 seconds with blinking of icons (exhaust pipe and headlight), then it will be vibrating for 8 times. The system will arm again.



### 1.7 Siren pause



In alarming status, press the button  to pause alarming. The system will arm again. And both of transmitter will stop alarming.

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### 1.8 Arm reminding


Park the motorcycle and ACC OFF, if the system is not armed within 8 seconds, the system will beep 3 times with gleaming of flash lights to remind to arm the motorcycle .

### 1.9 Anti-hijacking

Press the button  at least 2 seconds to enter into anti-hijacking mode during running. The headlight will flash sharply, the siren will chirp, the flash lights will gleam, then the motorcycle could not be started in 20 seconds. Press the button  to pause anti-hijacking.

### 1.10 Remote engine start 【Be sured bike in parked and in neutral (position)】

Park the motorcycle and press the start button 2 times within 3 seconds, the engine will be started, the gas outlet icon will twinkle on the screen, the transmitter will sound "Bi" for 3 times, the engine will turn off after 10 minutes.


After the engine started, if press the start button once, the siren will sound "Bi" once, press  to cut off the engine.



### 1.11 Engine cut off by remote

In running of remote engine start mode, only press the button  once to cut off the engine.

### 1.12 Auto-rearm (Anti-false disarm)

In arm status, press the button  to disarm. If the engine is not started within 25 seconds, the system will be in arm status as it is regarded as false disarm, reminding with a "Du" sound from the remote control. It will not sound in silent arm status.

### 1.13 Motorcycle locating

Press the button  once to find your motorcycle in the parking lot, then the siren will chirp for 10 seconds with gleaming of

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flash lights.

Keep pressing the button  to find your motorcycle in the parking lot, then the flash lights will gleam without chirping.

Press any button to pause motorcycle locating.




### 1.14 Power off memory

In case the power supply is cut off, the system will restore to previous status.

### 1.15 Day & Night monitoring

In disarm status, if ACC ON, the remote control will beep with vibration to remind the owner to arm the system.

### 1.16 Emergency disarm

In case the remote control is losing or it is damaged, just turn the key from OFF to ON for 10 times repeatedly, when the last time ACC ON for at least 2 seconds, the system disarm automatically. Press the button  to quit disarming. Or it will quit this mode after code learning by another remote control. It can not be armed if it is not disarmed.

### 1.17 LED indicator

In arm status, the LED will blink twice with interval of 2 seconds, reminding that the system is in arm status.

If the system is triggered by shock, the LED indicator will blink continuously, after alarming finished, the LED will keep blinking 4 times with interval of 2 seconds until the system is disarmed and ACC ON to remind the owner that it was triggered.

In arm status, if the system is triggered by ACC ON, the LED will keep blinking until it is disarmed and ACC ON.

### 1.18 Signal indicator

In arm status, if the remote control is unable to receive any signal from the brain unit, the signal indicator will disappear.

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That means it is out of service between them.

If only 1 or 2 signal indication bar on the remote control, means it is long distance between remote control and brain unit.

### 1.19 Special music reminding for no action

If no action when press any button on the remote, a special music from the remote will remind the remote control is trying to connect with brain unit.

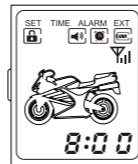
### 1.20 Power status indication

If it is low power, press any button will remind to change new battery with "Di..Di.." sound. If the icon keeps blinking, means it is weak power in the battery. It should be changed a new one, otherwise it's unable to operate.



### 1.21 Time Alarm setting

- ◎ Press the button + for 1 second to enter the setting status, transmitter will give out a sound, the will twinkle.
- ◎ Press the button to shift and set among the following icon: time/min→time/h→alarm on/off→alarm/min→alarm/h→quit. The icon will twinkle when selected.
- ◎ Press the button to set each function, press the button to enter next function setting. When "Quit" icon twinkles, press the button + for 1 second to save and quit. Press the button only to quite without saving.



Setting:

- ◎ TIME: set the Hour and Minute
- ◎ ALARM: set the alarm ON/OFF, hour, minute; When alarm alarms, the alarm icon twinkles and the back ground color is green.
- ◎  $\llcorner \lrcorner$ : set the microwave ON/OFF, enter setting, the microwave is on when " $\llcorner \lrcorner$ " twinkles, and it is off when " $\llcorner \lrcorner$ " does not twinkle.

Quit: Press the button + to save and quit, the transmitter chirps once, and return to standby mode showing the time.

### 1.22 Transmitter Vibration Sensitivity Adjusting

In disarm status, Keep pressing the button on the remote control, LED is on, flash lights will gleam once, the siren will "Bi" once, then adjust the sensitivity by pressing the button (with grade 1 to grade 5, default setting is grade 3), grade 1 siren "Bi" once, grade 2 "Bi" twice. Press the button to save and quit. The transmitter will chirp once and return to standby mode showing the time. LED will be off, siren "Bi" once.

### 1.23 Code learning

Keep pressing the code learning switch, the LED will light on. Then press any button on the first remote control, the LED will flash twice, then siren will sound twice. The first remote control will response with music, code learning is successfully. Press any button on the next remote control, the LED will flash four times, the siren will sound for 4 times. The remote control will response with music, code learning for the next remote control is successfully.

## 2. Technical Data

Working frequency: 433~434MHZ

Modulated way: FSK

Brain unit:

- ▶ Working voltage: 12V ± 3V
- ▶ Static current: ≤6mA
- ▶ Siren volume: 110~125dB

Remote control:

- ▶ Working voltage: 1.1~1.6V
- ▶ Static current: ≤100uA