

# HT-M09 TWO-WAY LCD MOTORCYCLE ALARM SYSTEM OPERATION & INSTALLATION INSTRUCTIONS

**Special Request:** This system is designed to be installed in motorcycle with 12V battery and electronic start.

## MAIN TECHNICAL SPECIFICATION:

### 1. Main Control Module:

Working Voltage: 9V—18V DC

Standby Current Consumption:  $\leq 4\text{mA}$  (LOW CONSUME)

Alarm Current Consumption:  $\leq 250\text{mA}$

Frequency Range:  $433.92\text{MHz} \pm 75\text{KHz}$

Working Mode: FSK


### 2. Two-way LCD Remote Control:

Working Voltage: 1.5VDC


Working Mode: FSK


Frequency Range:  $433.92\text{MHz} \pm 75\text{KHz}$


## REMOTE CONTROL KEY FUNCTIONS

“” Button: Arming with Sound and Light, Motorcycle Locating with sound and light / Panic Mode, Stop Alarm.

2. “” Button: Disarm.


3. “” Button: Silent Arming, Silent Location, Stop Alarm.


4. “” Button: Press once for illumination; Press and hold for 3 seconds, Check the battery Voltage. (For One-way Remote Control: this button only for Remote Engine start)

5. “” Press and Hold for 3 seconds, Remote Engine start.


**FEATURES ILLUSTRATION** (the Second button's operation will be available 2 seconds later)

## 1. Arming with Sound and Light


While the alarm is disarmed, press  button once, the siren will chirp once, the direction lights will flash once. The Remote Control will beep once, the green LED on remote control will be illuminating, the system will enter Arming with Sound and Light mode after 3 seconds. The LCD icons will display as picture 1.

2. **Silent Arming:** While the alarm is disarmed, press button  once, the direction lights will flash once, Two-way Remote Control will beep once, the green LED on remote control will be illuminating, the system will enter Silent Arming mode after 3 seconds. The LCD icons will display as picture 2.




## 3. Motorcycle Locating Sound and Light / Panic Mode:

While the alarm is armed with Sound and Light mode, press  button once, the siren will chirp **30 seconds** and the direction lights will flash 30 seconds, Remote control will beep 3 times for locating the motorcycle. The green LED on remote control will be illuminating.


## 4. Motorcycle Locating with Light:

While the alarm is in silent armed mode, press button  once, the direction lights will flash 6 times and Two-way Remote Control will beep 3 times (siren keep silence) for Locating the motorcycle. The green LED on remote control will be illuminating.




## 5. Stop Alarm:

When the siren is sounding after the system is triggered, press  or 、 button once will stop the trigger and return the unit to the armed mode 3 seconds later.



## 6. Disarming:

While the alarm is armed, press button  once, direction lights flash twice, siren chirp twice. (the siren will not chirp **while the system is in silent armed mode**) Remote Control beep twice, the green + red LED on remote control will be illuminating and the system will disarm. The LCD Icons will display as picture 3.




### 7. Anti-hijacking (optional):

① Open and close anti-hijacking function method. While the alarm is disarmed, turn ACC on, press and hold  button for 3 seconds, siren chirp once, two-way remote control LCD display ON, it means anti-hijacking function open. Press and hold  button for 3 seconds again, siren chirp twice, two-way remote control LCD display OFF, it means anti-hijacking function close. After open anti-hijacking function, every time turn ACC on, if main unite doesn't receive signal from the remotes in 30 seconds, system will go into anti-hijacking mode. Turn ACC off or press  button, it will close anti-hijacking function only for this time. Return ACC on, anti-hijacking function open again.

#### Anti-hijacking Open

② While the alarm is disarmed and ACC on, driver press and hold  button for 3 second within the transmission range of the remote control, siren sound once, then LED flash. After 10 seconds, siren will sound, LED keep flash. After 20 seconds, direction lights will flash rapidly, siren sound quickly, the engine will stop and be immobilized. To exit anti-hijack mode only by pressing emergency button 5 times in 5 seconds when ACC ON (turn ACC OFF firstly, then turn ACC ON), 3 seconds later it exit anti-hijacking mode. (After go into anti-hijacking mode in 30 seconds, press  button to exit anti-hijacking mode, 30 seconds later, only press emergency button to exit anti-hijacking mode.


### 8. Remote Engine Start:

When the alarm is armed or disarmed, press and hold button  for 3 seconds, the system will enter engine start mode, Two-way Remote Control will beep twice. Then press button  again, remote engine start. After the engine is started successfully, the remote control will beep 3 times again. The remote control engine shock 4 times for reminding driver and LCD Icon will display as picture 4. The green LED on remote control be illuminating. If remote control failed to start, it indicates as following: 1. the battery level of the motorcycle is low and you should recharge or replace your battery; 2. **it needs to pull the chock when cold the car**; Once the motorcycle is started, it will run for 10 minutes then shut down and return the system to armed state. While the motorcycle is running during remote start operation, press button  once, the siren will chirp twice and the remote control will beep twice to confirm. The LCD Icon will display as picture 4.

Special Remarks: When you operate the remote start function ( System should be in arming state), please don't let the rear wheel of the motorcycle touch the floor to avoid any accident. **(If it is Manual shift car, please be sure to use the remote engine start function only while the gear selector is in neutral)** If you can't operate comply with the above request strictly, we take no responsibility about any accident for you!!!

### 9. Sensitivity Adjustment

There are 5 grades of sensitivity of the shock sensor trigger, The higher grade of the sensitivity, the more sensitivity of the sensor trigger, The sensitivity grades display as picture 5. And the first grade indicates the sensor trigger is turned off ( the sensor trigger is disabled).

Press and hole button  for 3 seconds to choose the grade of the sensor trigger.



The factory default setting is grade 4.

### 10. (1) Shock Sensing :

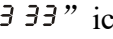
If the alarm is triggered by shock sensing, the siren will chirp 5times, the

direction lights will flash 5 times as well, the remote control will beep for 15 seconds. The remote control engine shock 4 times for reminding driver and LCD icon will display as picture 4. the red LED on remote control be illuminating (same as in silent armed mode) If the alarm is triggered again by shock sensing within 15 seconds, the siren will sound for 30 seconds (same as in silent armed mode), direction lights flash 30 seconds (won't flash in the third continuous triggered), the remote control will beep for 15 seconds, Remote control engine shocks 4 times for reminding driver and the LCD Icons display as picture 6. the red LED on remote control be illuminating.


#### (2) Tilt sensor trigger:

when the alarm is armed, The vehicle is moved by any reason, the siren will chirp 12 times, direction lights flash, engine locked; remote control beep 15 seconds, the remote control engine shocks 4 times for reminding driver, at the same time remote control “” (move) symbol flash 15 seconds, “” (direction lights) icon flash synchronization, the red LED on remote control be illuminating. The LCD display as picture 7.

When the vehicle is moved or tilted sharply, the siren will sound 30 seconds, direction lights flash 30 seconds and LCD display as picture 7. With silence arming, the vehicle is moved by any reason (except siren keep silent), direction lights still flash, and the LCD display as picture 7.

Notes: After tilt sensor trigger, “” icon will flash on LCD display from left to right.



#### 11. Trigger Memory:

If the alarm is triggered while it is armed, press button  to disarm the alarm, the siren will chirp 4 times and the direction lights will flash 4 times.

#### 12. ACC Ignition trigger:


With any armed state, if the ignition key turn on, the siren will sound and direction lights flash for 30 seconds. After that if the ignition key is not removed, the alarm cycle will repeat. (The third continuous trigger, direction lights will not flash) The LCD display as picture 8.

#### 13. Auto Arming (optional):

While alarm is disarmed, press emergency button 6 times in 5 seconds, turn ACC ON, sound 6 times, it go into auto arm programming. Press button , siren chirp once, two-way remote control show “ON”, it means auto arming open. Press button , siren chirp twice, two-way remote control show “OFF”, it means auto arming close. 10 seconds later or turn ACC OFF, it exit programming, siren chirp 4 times.

After auto arming open, when driver turn ACC OFF, no press any button on remote, 60 seconds later, siren beep once, direction light flash once, it go into arming, shock sensor no work, turn ACC ON, system arming.


#### 14. Auto Rearming:

Press button  to disarm the alarm while armed, if you do not turn the ignition key to ‘ON’ position or shock sensor trigger within 60 seconds, then the system will recover original arm state automatically.

#### 15. Power Interrupted Memory:

When the system's power is disconnected, no matter how long the disconnected time is, the system will be resume its last state after power reconnected.

#### 16. Query function

Within the transmission range, press and hold button  for 3 seconds, it can activate the query function, query tells you the battery voltage of the vehicle. And LCD display as picture 9.

#### 17. Remote Control Programming:

When the remote control lost, it is needed to erase the codes of the lost remote control from memory and learn all the remote control again. The process is as below:



On disarmed state, press the override switch 8 times within 5 seconds, then turn ACC “ON”, the siren will chirp 8 times. Then enter into the programming state, press any button on No.1 remote control, the siren chirp once indicating successful learning of the No.1 remote control, then press and button on the No.2 remote control, the siren will chirp once to indicate successful learning of the No.2 : follow the above operation to learn all the remote controls. 10 seconds later it exit the programming mode. Or after completion of the

learning, turn ACC OFF, the system will also exit the programming mode. The system is designed to memorized codes of 2 pcs two-way LCD Remote Control or 4 pcs one-way Remote Control.

Note: There should be no strong radio frequency around during the learning process, or else the learning will be affected or fail.


#### 18. Emergency Override:

While the alarm is armed, turn the ignition key to ON, (the siren will chirp) 、 Press the Override switch 5 times within 5 seconds, the system will disarmed 3 seconds later. While the alarm is auto armed, after emergency override, if the user do not turn on the ignition, the system will enter silent armed state 60 seconds later. After



emergency override, the user can arm the system by pressing button  or .

Special Remarks: The override switch should be installed in a hidden location where it is convenient to operate.





#### 19. Illuminating Function

Press button  once, red light flash 3 seconds.



#### 20. Remote control shut off:

Press and hold button  4 seconds, remote control sound once, Remote control turn off, then press and hold button  2 seconds, remote control turn on.

#### 21. Remote Control Vibrate Mode On/Off

Press button  and  once, Remote Control beep once and remote control **engine shock** once indicating vibrate mode on; then press button  and  once, the remote control beep twice indicating vibrate mode off. The factory default setting is vibrate mode on.



#### 22. Remote Control Battery:


The Remote control is powered by a 1.5V type alkaline battery, When the battery is new, the icon “” will display on LCD screen, When LCD screen display “” indicating the power of battery is exhausted and new battery should be replaced. The LCD display as

picture 8.



#### 23. 【Assistant Function】

##### Time Setting:

Press button “” & “” for 3 seconds , with a melody sound “Do Lai Mi” for reminding, Character flash enter into the setting state: (on a 24-hour basis)

Press button “” to switch between “Minutes” or “Hours”;

Press button “” to increase the flashing digit by 1;

After adjusting, press and hold button “” & “” for 2 seconds to save the present setting and exit , remote control beep once.

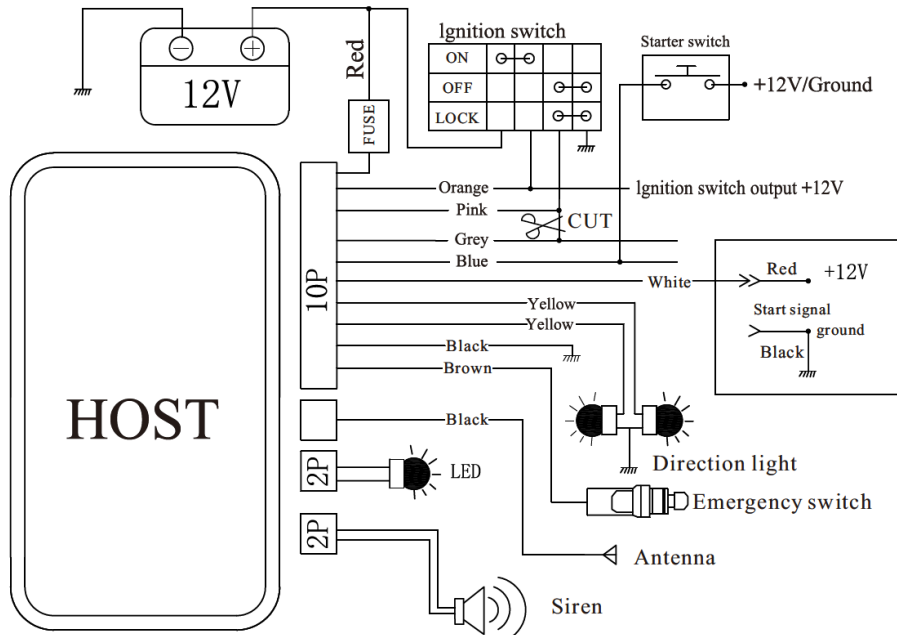
#### 24. LED state indicator:

LED will flashing when alarm is armed; LED light when alarm has been triggered; LED off when disarmed.

**Note: The wire of Main Control Module should be connected to that on LED Neutral gear (this wire is negative input sign).**

#### CONNECTION

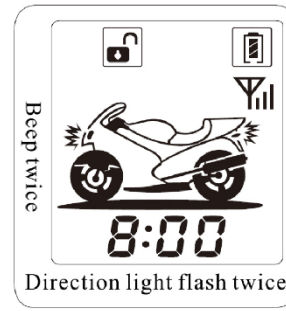
#### DIAGRAM:



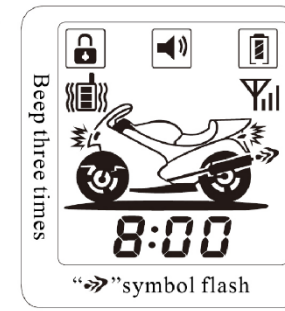
Picture(1) Arming with Sound & Light



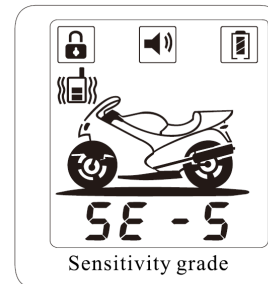
Picture(2) Silent Arming



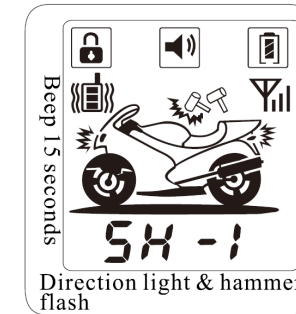
Picture (3) Disalarm



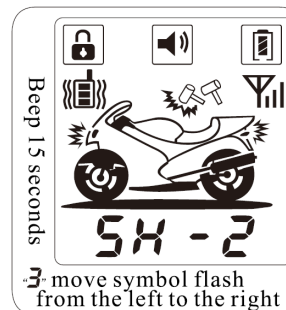
Picture(4) Remote start



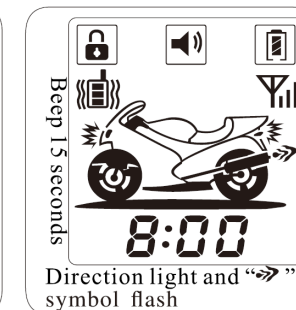
Picture(5) Sensitivity Adjustment



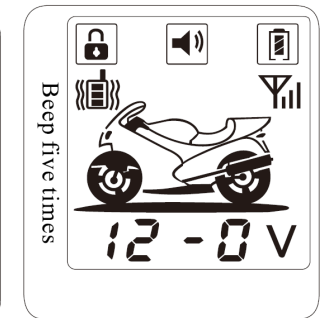
Picture (6) Shock Sensing



Picture(7) Tilt sensor trigger



Picture (8) ACC Ignition trigger



Picture (9) Query function

The warranty is subject to installation by a qualified service center.

Importer; S.M.Power Kft., 2310 Szigetszentmiklós, Csepeli út 15  
[www.smpower.eu](http://www.smpower.eu)