

# MEGALARM®

## MEGA 3100

2-WAY LCD 4-CHANNEL MOTORCYCLE  
ALARM SECURITY SYSTEM

Operation Manual



**MEGATRONIX**  
CALIFORNIA, U.S.A.

## OPERATION:

### A. TRANSMITTER OPERATION:

Transmitter Button	System Function	Remark
	Arm the System	Press and release momentarily
-	Arming with Noiseless Mode	Press  button within 3 seconds after arming.
-  -	Arming with Shock Sensor Bypass	Press  button 2 times within 5 seconds after arming
- <b>F</b>	Arming with Pathway Illumination	Press the  button first within 3 seconds press <b>F</b>
<b>F</b> -	Silent Arm	Press the <b>F</b> button first within 3 seconds press
+	Arming with Hidden Alarm	Press the  and  buttons together
	Car Locator	Upon armed
(3 seconds)	Panic	Press and Hold  button for 3 seconds
	Disarm System	Press and release momentarily
- <b>F</b>	Disarming with Pathway Illumination	Press the  button first within 3 seconds press <b>F</b>
<b>F</b> -	Silent Disarm	Press the <b>F</b> button first within 3 seconds press
<b>F - F</b>	Passive Arming By-pass	Upon disarmed, press the <b>F</b> button twice within 3 seconds.
<b>F - F - F</b>	Remote control Enter/Exit Valet mode	Press the <b>F</b> button 3 times within 5 seconds.
<b>F</b> (2 seconds)	Channel # 3 Timer Output	Press and Hold for 2 seconds
+ <b>F</b> (2 seconds)	Channel # 4 Timer Output	Press the  and <b>F</b> buttons together

### B. FOR 2-WAY LCD TRANSCIVER OPERATION ONLY:

Transceiver Button	System Function	Remark
	Motorcycle Locator	Press and release momentarily
(3-second)	Panic function	Press and Hold  button for 3 seconds
SET -  ( <b>C</b> )	System's Trigger Check	Press the SET button first within 3 seconds press  ( <b>C</b> )
SET - SET - SET	Clear the Flash Icon and Melody Sound on the LCD Screen Transmitter	Press the SET button 3 times within 5 seconds.

### C. LED INDICATORS:

LED	Function
Off	Disarmed
Slow Flash	Armed
Flash	Passive Start Disable
Fast Flash	Passive Arming
On (Solid)	Valet Mode

LED	Function
2 flashes... pause	Zone 2 / Activated on the Tilt Switch
3 flashes... pause	Zone 3 / Activated on the Close Loop
4 flashes... pause	Zone 4 / Activated on the Shock Sensor
5 flashes... pause	Zone 5 / Activated on the Ignition Switch

### D. CHIRP INDICATORS:

Chirp	Function
1 chirp	Arm
2 chirps	Disarm
4 chirps	Disarm / Triggered
6 chirps	Car locator

### E. PARKING LIGHT:

Parking light	Function
1 flash	Arm
2 flashes	Disarm
3 flashes	Disarm / Triggered
12 flashes	Car locator

### F. SYSTEM OPERATING CONDITION:

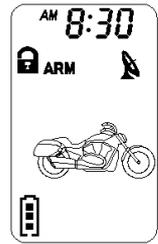
	Siren, Horn	Parking Light	LED	Starter
1. Arming	1 Chirp	1 Flash	Slow Flash	Disable
2. Disarming	2 or 4 Chirps	2 or 3 Flashes	Fast Flash or Off	
3. Trigger	Alarming	Flashes	Slow Flash	Disable

4. Passive Starter Disable			Flash	Disable
5. Panic	Alarming	Flashes		
6. Car Locator	6 Chirps	12 Flashes		

### G. ACTIVE ARMING:

1. Press  button on transmitter.
2. The siren will chirp once and the parking light will flash once indicating the system is armed. The LED will begin to flash and the engine starter will be disabled.

**SILENT ARMING:** Press the **F** button first, within 3 seconds press  button on the transmitter will arm your security system, No chirp sound will be heard, arm confirmation will be through the motorcycles parking lights only.



**ARMING WITH NOISELESS MODE:** With the system disarmed, press the  button once, the siren will chirp once. Within 3 seconds, press  button again. The siren will emit one short chirp indicating the system is set and will be fully armed in 5 seconds with the noiseless mode for one arming cycle. In this mode, whenever strong vibration or lesser vibration is presented to the protected motorcycle, the shock sensor cannot trigger the system and just only emit a few warn away chirps.

**ARMING WITH SHOCK SENSOR BY-PASS:** Press the  button on the transmitter three times within 5 seconds will arm the security system, by-pass the shock sensor. The system will chirp one additional time to confirm the sensor bypass mode was activated. The sensor bypass feature is programmed to activate for one arming cycle only. Security system will return to normal operation during the next arming cycle.

#### PASSIVE STARTER DISABLES: (See Feature I - 2 Programming)

The purpose of the feature is to protect the motorcycle from being stole at all times, regardless of whether or not the alarm is armed.

The starter of the vehicle will be disable 60 seconds after the ignition is turned off. Once the key is turned off, the LED will flash fast for 60 seconds.

After 60-second timer has elapsed, LED will flash slowly (one-half its normal armed rate) to indicate passive starter disable is activated and system will not respond to any trigger input except ignition trigger.

**ARMING WITH PATHWAY ILLUMINATION:** Press  button once to arm system, siren will chirp once.

Within 3 seconds, press **F** button. Parking light will turn "ON" for 30 seconds to illuminate your pathway.

**HIDDEN ALARM FUNCTION:** Press  and  buttons at the same time the security system will arm and with "Hidden Alarm Function". Siren / horn will be silenced even if sensor is triggered in the armed status.

### H. PASSIVE ARMING: (See Alarm Feature I - 3 Programming):

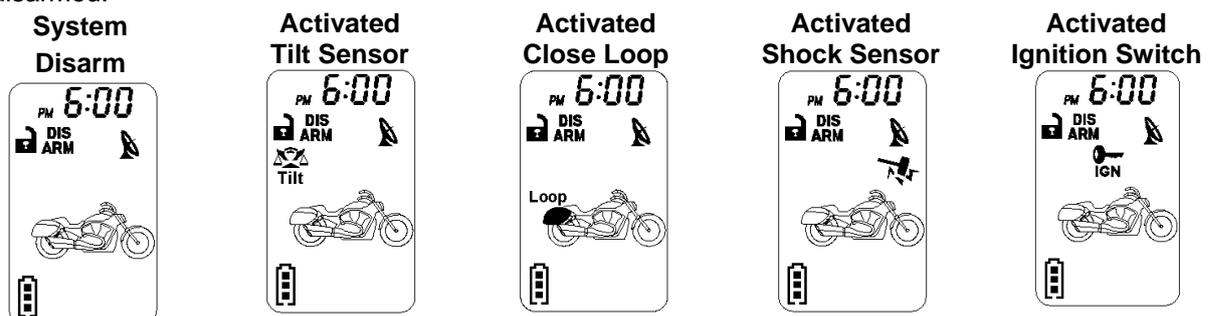
Active arming / disarming is controlling your security system via the remote transmitter. This security system is equipped with an optional Passive Arming feature, which allows the security system to arm 30 seconds after the ignition switch is turns off. Operation is as follows.

1. Turn the ignition to the "OFF" position.
2. The security system LED will flash fast for 30 seconds. Each time a sensor is triggered during the passive arming countdown, the 30-second countdown starts over.
3. After 30-second timer has elapsed, the security system will automatically "ARM". The siren will chirp [1] time and the parking lights will flash [1] time.

**PASSIVE ARMING BY-PASS:** While the system disarmed, press the **F** button twice within 3 seconds, the security will respond with [1] chirp and LED will turn "ON". The security system will remain in this temporarily state for as long as you wish. To exit passive by-pass, press the  button or  button and the system will return to normal status.

### I. ACTIVE DISARMING:

1. Press  button on the transmitter.
2. The siren will chirp twice and parking light will flash twice to indicating that the security system is now disarmed.



**Clear The Flash Icon:** Press the SET button 3 times within 3 seconds will clear the flash icon on the LCD screen transceiver.

**SILENT DISARMING:** Press the **F** button first, within 3 seconds press  button to silent disarm your security system, No chirp sound will be heard, arm confirmation will be through the motorcycles parking lights only.

**TAMPER DISARMING:** If alarm triggered, upon disarm the system, siren chirp 4 times, parking light flash 3 times.

**DISARMING WITH PATHWAY ILLUMINATION:** Press the  button once to disarm the system, the siren will chirp once. Within 3 seconds, press **F** button. The parking light will be turns "ON" for 30 seconds to illuminate your pathway.

**AUTOMATIC RE-ARM:** If this feature is selected, the security system will automatically re-arm itself 60 seconds after disarming with remote transmitter. Press the **F** button twice within 3 seconds or turns on the ignition switch will cancel the rearm. (See Alarm Feature I – 2 Programming)

## J. DISARMING WITHOUT A TRANSMITTER:

**OVERRIDE THE ALARM WITHOUT PASSWORD PIN CODE:** (Factory Default Setting):

The Override function may be used if the remote transmitter is lost or inoperative.

1. Turn the ignition switch to 'ON' position. (Alarm will sound.)

2. Within 10 seconds push and release the valet switch

Alarm will stop sounding and enter disarm mode. You can now start and operate motorcycle normally.

**OVERRIDE THE ALARM WITH PASSWORD PIN CODE:** (See Alarm Feature III – 2 Programming):

Unlike valet switch easily found, and defeated, this security system allows the consumer to program a password pin code. Offering a higher level of security.

1. Turn the ignition switch to 'ON' position. (Alarm will sound.)

2. Press the Valet switch the selected number of times (1-9 presses) within 15 seconds.

(Press the Valet switch, system's siren will stop alarming, parking light will stop flashing, but the motorcycle cannot be start and drive away until you disarm the system.)

The system should now disarm. If it does not, you may have waited too long to press the Valet switch; turn the ignition off and on and try again.

## K. VALET MODE: (System in Disarm or Valet mode):

The valet switch allows you to temporarily bypass all alarm function, eliminating the need to hand your transmitter to parking attendants or garage mechanics. When the system is in valet mode, all alarm function are bypassed, however the remote panic feature and Channel 3 /4 will remain operational. To use the valet mode, the system must first be disarmed either by using you remote transmitter, or by operating the Manual override sequence.

**Enter Valet Mode:**

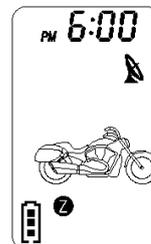
1. From the disarmed condition, turn the ignition to "ON" position.

2. Push and hold valet switch for 2 seconds until the LED turns on. The LED will remain on as long as the system is in 'valet mode'.

**Exit Valet Mode:**

1. Return to normal operation, turn ignition 'on'.

2. Push and hold valet switch for 2 seconds, The LED will turn off indicate the system are exiting the valet mode.



**REMOTE VALET: (System in Disarm or Valet mode)**

Press and release the **F** button three times within 3 seconds to enter / exit valet mode.

A parking light flash to confirm enter valet mode

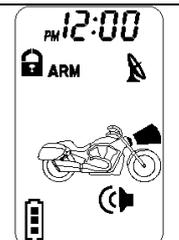
Two parking light flashing to confirm exit valet mode.

## L. MOTORCYCLE LOCATOR:

Press the  button on the 5-button 2-way transceiver or press the  button on the 3-button transmitter upon armed mode to active motorcycle locator function. The siren will chirp 6 times. The parking light will flash 12 times, for you to easily locate your motorcycle.

## M. PANIC FUNCTION:

The transmitter can be used as a remote panic switch to manually trigger the alarm in case emergency. To activate the panic mode, press and hold  or  button of your transmitter for 3 seconds. The siren will sound and continue for 30 seconds or until  or  button is activated a second time.



## N. TRIGGER THE SYSTEM:

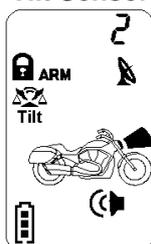
When armed, your motorcycle is protected as follows:

1. Light impacts will trigger the warn-away signal. A long chirp from siren/horn.

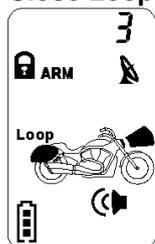
2. Heavy impacts will trigger the system. The full trigger sequence is 30 seconds of constant siren and flashing parking lights.

3. If the tilt switch is triggered / the close loop wires of the connection are not in contact / the ignition is turned on while the system is armed, the full trigger sequence will activate.
4. The starter kill prevents the motorcycle's starter from cranking.

**Activated Tilt Sensor**



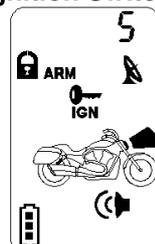
**Activated Close Loop**



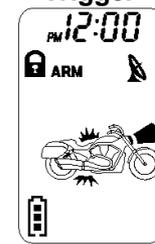
**Activated Shock Sensor**



**Activated Ignition Switch**



**Warn-Away Trigger**



**Clear The Flash Icon And Melody Sound:** While triggering the alarm the LCD screen will alert user through melody sound and flashing trigger icon, press the SET button 3 times within 3 seconds will clear the flash icon and stop melody sound on the LCD screen transceiver.

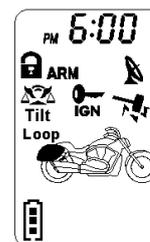
**Stop The Melody Sound Only:** While triggering the alarm the LCD screen will alert user through melody sound and flashing trigger icon, press any button on the LCD remote transceiver to stop melody sound only.

**NOISE ABATEMENT CIRCUIT:** Your system has "Noise Abatement Circuit". It prevents annoying repetitive trigger sequences due to faulty sensor or environmental condition such as thunder, jackhammers airport noise, etc.

Here's how "Noise Abatement Circuit" works: The alarm triggers five times. Each time, the same sensor or switch is triggering the alarm. "Noise Abatement Circuit" will interpret this pattern of triggers as false alarm. After the fifth trigger, "Noise Abatement Circuit" ignores, or by pass, that sensor or switch until the other sensor or switch is trigger.

**O. SYSTEM'S TRIGGER CHECK:** (For two-way transceiver operation only):

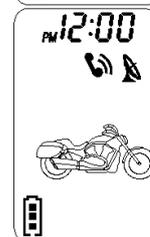
Press the transceiver SET button first, within 3 seconds press **(C)** button. It responds with one melody sound and all trigger's records will immediately displayed on the LCD screen.



**P. DRIVER PAGING:** (For two-way transceiver operation only)

It is useful the event that someone wants to page the driver of the parked motorcycle or someone cannot find his LCD motorcycle remote transceiver.

Upon disarmed, press and hold the Valet switch for 2 seconds to page the driver, one chirp sound shall be emitted from the motorcycle and the paging melody sound continues sounding from you Remote LCD transceiver and "📶" indication flashes on the LCD screen.



**Q. CHANNEL 3 TIMER CONTROL OUTPUT.**

Press and hold the **F** button on transmitter for two seconds to remote control the channel 3 output.

Channel 3 is user-programmable timer output. You may program the built-in timer to send a ground signal / latch / latch with ignition / 30 seconds/ 60 seconds/ 90 seconds timer output.

Note1: Factory default setting at 1second pulse grounded output (See Alarm Feature II – 2 Programming).

Note2: Upon activate the channel 3; the siren/horn will emit one chirp to indicator the channel 3 is latch on or emit two chirps to indicator the channel 3 is latch off.

**R. CHANNEL 4 TIMER CONTROL OUTPUT**

Press the transmitter **(L)** and **F** buttons at the same time to active Channel 4 function.

Channel 4 is user-programmable timer output. You may program the built-in timer to send a momentary / latch / latch with ignition / 30 seconds/ 60 seconds/ 90 seconds timer output.

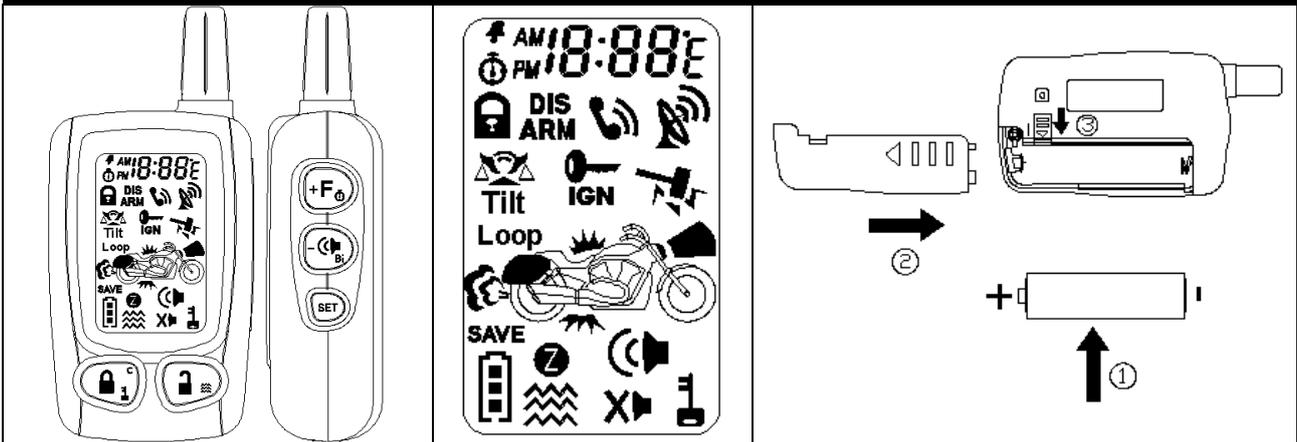
Note1: Factory default setting at momentary output (See Alarm Feature II – 3 Programming).

Note2: Upon activate the channel 4; the siren/horn will emit one chirp to indicator the channel 4 is latch on or emit two chirps to indicator the channel 4 is latch off.

**S. POWER ON MEMONRY:**

This security system is equipped with circuitry that will allow the unit to remember its alarm state if the power is lost and then reconnected.

## 2-WAY LCD REMOTE TRANSCEIVER:



Note: If system is interfered by stronger radio frequency around, sources of high voltage electric power, or such obstacles like tall buildings and so on, transmission range may get shorter as system uses low output powered frequency.

### A. BATTERY REPLACEMENT:

A 1.5V type AAA Alkaline battery powers the Remote Transceiver. When power of the battery weakens, a  icon shall be displayed on the LCD screen. When old battery is replaced with new one, there will be beep sounds indicate the power is up and the clock on the LCD screen returns to **AM12:00** after displaying all the icons. Correct time by pressing **SET** for 3 seconds before using (See Timer Setting).

Note: Press  button two times when the battery compartment is empty, and then insert the new battery.

### B. REMOTE LCD ICONS WITH FUNCTION:



#### Armed Mode

Your motorcycle is in armed mode



#### Disarm

The system is Disarm.



#### Remote Transmission

You are transmitting the signal to control unit



#### In – Range Indicator

You are within the remote control range



**Activate on the Tilt Switch (Zone 2)**



**Activate on the Close Loop (Zone 3)**



**Activate on the Shock Sensor (Zone 4)**



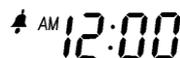
**Activate on the Warn away Trigger**



**Activate on the Ignition Switch (Zone 5)**



**Time Monitor**



#### Alert Alarm

You have set morning call alarm



#### Count Down Timer

Reminder when time is up for parking



#### Power Save Mode

Save the battery power



#### Vibration Mode

Remote Control vibrates when the system is triggered



#### Button Lock

Disable the transmission function temporarily



**Driver paging / Lose and Found**  
Someone is paging you in front of your motorcycle



#### Low Battery

You have to replace the battery of remote control.

### C. PROGRAMMING OF THE LCD REMOTE TRANSCEIVER:

Transceiver Button	Description	Operation
SET (1 second)	LCD screen lamp turns on for 5 seconds	Press and hold the <b>SET</b> button for 1 second, 1 melody sound to confirm enters
SET (3 seconds)	Timer Programming Mode	Press and hold the <b>SET</b> button for 3 seconds, 2-melody sounds to confirm enter
SET (5 seconds)	Power Save Mode	Press and hold the <b>SET</b> button for 5 seconds, 1 melody sound to confirm enters

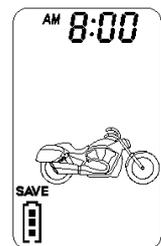
SET - SET - SET	Clear the Flash Icon and Melody Sound on the LCD Screen Transmitter	Press the SET button 3 times within 5 seconds
SET -  (2-second)	Button Lock (  ) enable / disable	Press the SET button first within 3 seconds press and hold  button for 2 seconds
SET -  (2-second)	Melody / Vibration (  ) Mode	Press the SET button first within 3 seconds press and hold  button for 2 seconds
SET - <b>F</b> (2-second)	Program Count Down Timer (  ) (10Min/20Min/30Min/1Hr/1.5Hr/2.0Hr)	Press the SET button first within 3 seconds press and hold <b>F</b> button for 2 seconds
SET -  (2-second)	Enable / Disable Bi Sound ( <b>Bi</b> ) While Pressing Button	Press the SET button first within 3 seconds press and hold  button for 2 seconds
SET- SET-  (2-second)	<b>Illumination On /Off</b>	<b>Press within 3 seconds</b>

**1. Screen Lamp ON:** Press and hold the SET button one second, with one melody sound and the LCD screen lamp will turn on for 5 seconds

**2. Power Save Mode For Remote Transceiver:** While the power save mode, the LCD remote transceiver uses "0" current to save the battery power.

**Entry:** Press & hold the SET button for 5 seconds, with one melody sound and **SAVE** icon on the LCD screen to indicate entry the "power save mode".

**Exit:** Press any button of the LCD remote transmitter to exit the "Power Save Mode".

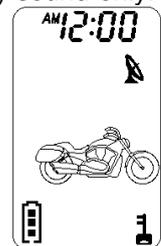


**3. Clear the Flash Icon and Melody Sound:** Press the SET button 3 times within 3 seconds will clear the flash icon and melody sound on the LCD screen transceiver

**4. Stop The Trigger Melody Sound:** While triggering alarm LCD screen will alert user through melody sound and flashing trigger icon. Press any button on LCD remote transmitter to stop melody sound only.

**5. Button Lock:**

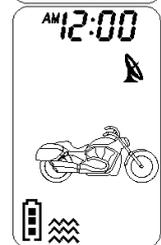
It is useful if you want to disable the transmission function of the remote control temporarily to prevent from any inadvertent pressing of buttons by others. Press the SET button first, within 3 seconds press and hold the  () button for 2 seconds to activate or cancel the button lock function, the  icon will displayed on the LCD screen to show the LCD remote transmitter is on "Button Lock".



**6. Vibration / Melody Mode:**

It is useful when you are in a noisy place and difficult to hear beep sound from remote control as the remote control in this mode, vibrates it if your security system is triggered.

Press the SET button first, within 3 seconds press and hold the  () button for 2 seconds to select the mode of vibration or melody, the  icon will displayed on the LCD screen to show the LCD remote transceiver is on vibration mode.



**7. Enable / Disable Bi Sound While Pressing Button:**

It has a short "bi" sound while pressing the button of the LCD screen transceiver

If you want mute the "bi" sound mute always while press button. Press the SET button first, within 3 seconds press and hold the  (**Bi**) button for 2 seconds to disable the "bi" sound.

**8. Low Battery Indication:**

When power of battery weakens, it has two short "bi" sound and flash  icon while pressing button of LCD screen transceiver.

**9. Set Up Fixed Count Down Timer:**

1. Press SET button first, within 3 seconds press and hold **F** () button for 2 seconds, LCD screen will show  icon and timer (i.e. 0:10).

2. Press **F** () button again showing next order time on screen (i.e. 0:20), press again (i.e. 0:30).

3. Leave the buttons starting count down then  icon flashes

**Note:** 1.Count down period is fixed 10 minutes, 20 minutes, 30 minutes, 1 hour, 1.5 hours, and 2 hours.

2. When count down timer showing 0:00 means to turn off the timer.

3. Press SET button for real time indication when the timer is counting down.

## 10. Out Of Range Indication: (See Feature II – 4 Programming.)

The system will automatically check the range every 30 minutes after armed.

1. If user is within the range, the  icon will display on the LCD screen.
2. If user is out of range, it has five short “b” sounds and the  icon will disappear on the LCD screen.

## 11. Illumination

Press the SET button twice, within 3 seconds press and hold the  button for 2 seconds. The remote will beep once for “On”, twice for “Off” and the light will turn on/off with each press.

## D. TIMER SETTING:

	Transceiver Button	Description	Press Transceiver Button
1	Press & Hold the SET button for 3 seconds	<b>Timer Setting (Hour)</b> *Flash digit for adjusting	 for – and <b>F</b> for +
	Press the SET button once	Time setting (Minute) *Flash digit for adjusting	 for – and <b>F</b> for +
2	Press the SET button once	<b>Alert Alarm Time Setting (Hour)</b> *Flash digit for adjusting	 for – and <b>F</b> for +
	Press the SET button once	Alert Alarm Time Setting (Minute) *Flash digit for adjusting	 for – and <b>F</b> for +
	Press the SET button once	Alert Alarm Setting ON / OFF	 for <b>OFF</b> and <b>F</b> for <b>ON</b>
3	Press the SET button once	<b>Count Down Timer Setting (Hour)</b> *Flash digit for adjusting	 for – and <b>F</b> for +
	Press the SET button once	Count down Timer Setting (Minute) *Flash digit for adjusting	 for – and <b>F</b> for +
	Press the SET button once	Count down Timer Setting ON / OFF	 for <b>OFF</b> and <b>F</b> for <b>ON</b>

EXIT: Press and hold SET button for 2 seconds or leave it for 10seconds. System will exit programming.

### 1. Timer Setting (Example to AM 10:30):

1. Press & hold SET button for 3 seconds, with two-melody sound and “Hours” digit flashes for adjusting.
2. Press the  or **F** button to decrease or increase the “Hour” digit until AM10:xx
3. Press the SET button once again then the “Minute” digit flashes for adjusting.
4. Press the  or **F** button to decrease or increase the “Minutes” digit until AM 10:30
5. Press the SET button for 2 seconds with one-melody sound to confirm exit the timer program mode.

### 2. Alert Alarm Timer Setting (Example to PM 6:30):

1. Press & hold SET button for 3 seconds, with two-melody sound and “Hours” digit flashes for adjusting.
2. Press SET button twice, LCD screen will shows  icon and “Hours” digit is flashes for adjusting.
3. Press the  or **F** button to decrease or increase the “Hour” digit until **PM 6:xx**
4. Press the SET button once again then the “Minutes” digit flashes for adjusting.
5. Press the  or **F** button to decrease or increase the “Minutes” digit until **PM 6:30**
6. Press the SET button once again then  icon flashes for alert alarm “ON / OFF” setting
7. Press the **F** button to start the “Alert Alarm Timer”, and the “ON” icon will show on the LCD screen.
8. Press the  button to stop the “Alert Alarm Timer”, and the “OFF” icon will show on the LCD screen.
9. Press SET button for 2 seconds with one-melody sound to confirm exit the timer program mode.

### 3. Countdown Timer Setting (Example Set countdown timer at 2:30 (Max 19 hours 59 minutes)):

1. Press & hold SET button for 3 seconds, with two-melody sound and “Hours” digit flashes for adjusting.
2. Press SET button 5 times, LCD screen will shows  icon and “Hours” digit is flashes for adjusting.
3. Press the  or **F** button to decrease or increase the “Hour” digit until **2:xx**
4. Press the SET button once again then the “Minutes” digit flashes for adjusting.
5. Press the  or **F** button to decrease or increase the “Minute” digit until **2:30**
6. Press the SET button once again then  icon flashes for alert alarm “ON / OFF” setting
7. Press the **F** button to start the count down timer, and the “ON” icon will show on the LCD screen.
8. Press the  button to stop the count down timer, and the “OFF” icon will show on the LCD screen.
9. Press the SET button for 2 seconds with one-melody sound to confirm exit the timer program mode.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions.

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.