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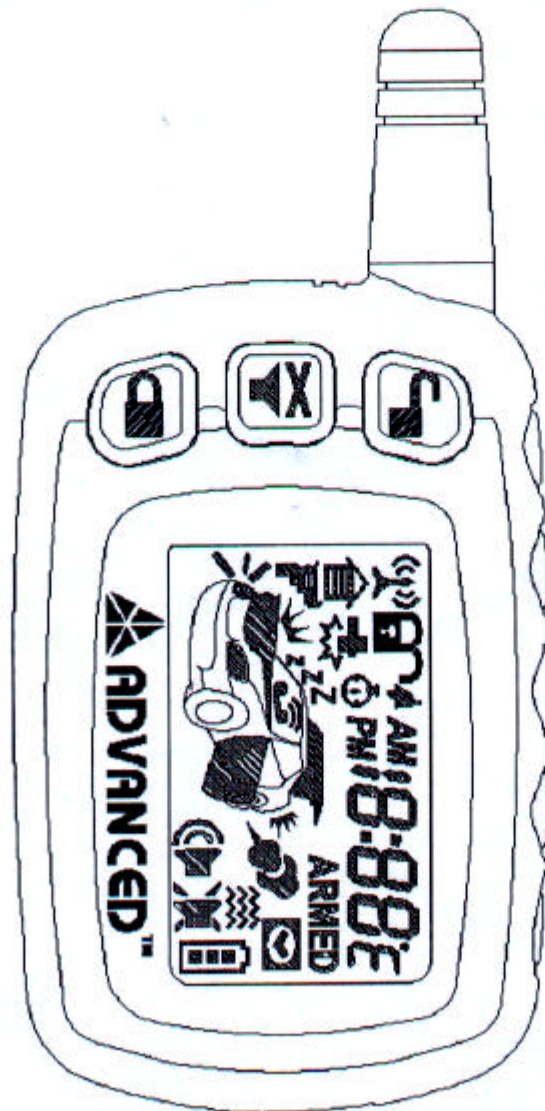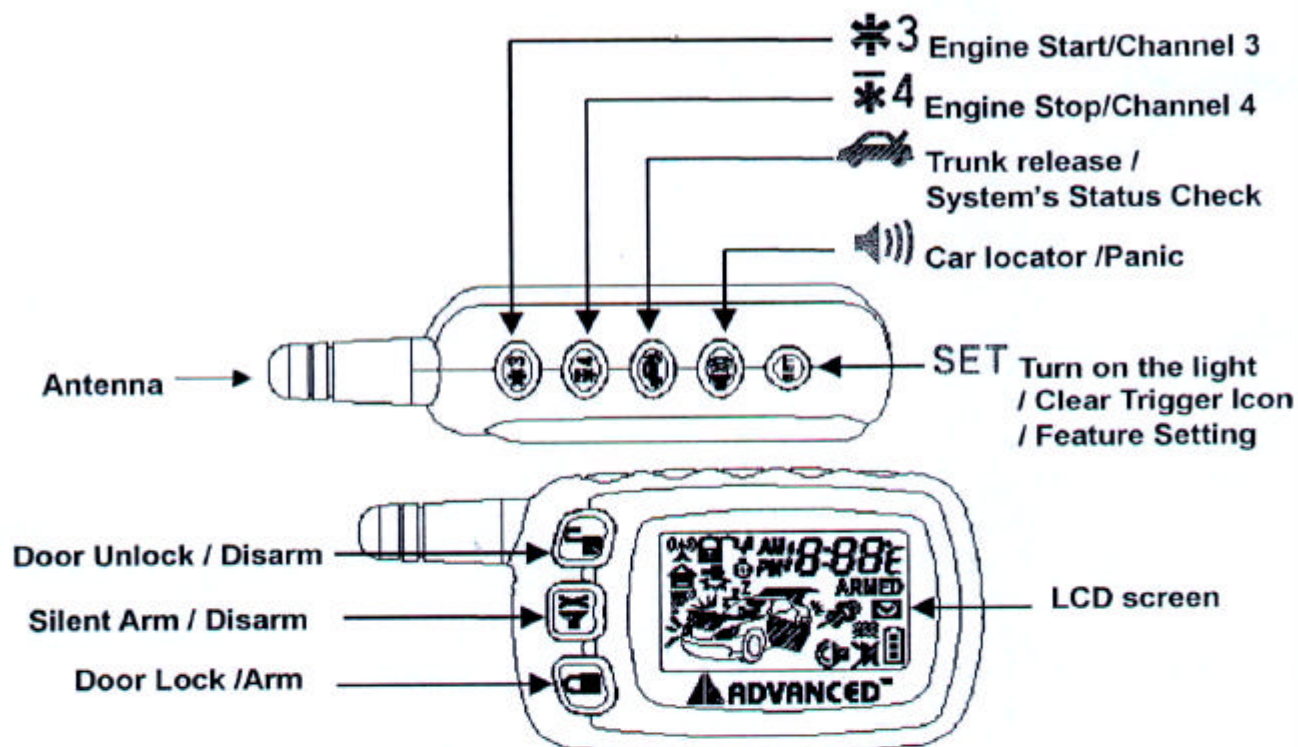# TX-780V
TWO WAY
COMMUNICATION LCD
SCREEN TRANSMITTER
USER'S MANUAL

1. Brief look of optional device
1-1.Two Way Remote Control

✳3 Engine Start/Channel 3

✳4 Engine Stop/Channel 4

Trunk release /
System's Status Check

Car locator /Panic

Antenna

SET Turn on the light
/ Clear Trigger Icon
/ Feature Setting

Door Unlock / Disarm

Silent Arm / Disarm

Door Lock /Arm

LCD screen

1-2. Two Way Transceiver/Antenna Module

It transmits and receives RF signals with the Remote Control.
If you applied optional two-way LCD screen remote transmitter on your
alarm system, you must install the new two-way transceiver /Antenna
module on your control module.

1-3. Paging Sensor (Optional)

The device is usually mounted at the bottom part of the front window.
In this device, there are paging(knock) sensor, which delivers the
tapping impact to the Remote Control(for paging driver).

1-4. Temperature Sensor (Optional)

The temperature sensor which takes the temperature of the passenger
compartment to display on the LCD screen of the Remote Control.

2. Points to be noted for your better use

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

2-1. Battery replacement

The Remote Control is powered by a 1.5V type AAA Alkaline battery. When the power of the battery weakens a 🔋 icon shall be displayed on the LCD screen.

When the old battery is replaced to 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 the time by pressing SET for 3 seconds before using.
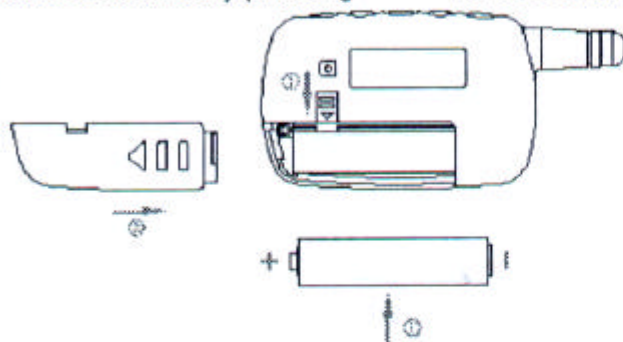
Note: Even if the battery is replaced, your programmed set value shall remain unchanged. The Remote Control automatically read and memorized all the previous set information saved in the Main Control Module.

2-2. About LCD screen
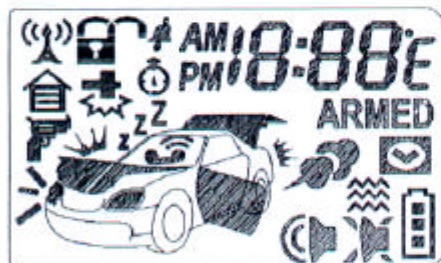
The LCD screen on the Remote control displays graphic icons or Figures. It provides you visual information on any trigger of the Sensors and around-a clock surveillance to your armed vehicle as well as showing the present status of the system.

Door Lock
Your vehicle doors are locked

Door Unlock
Your vehicle doors are unlocked

Remote Transmission
You are transmitting the signal

Anti-Carjacking Mode
Your vehicle is activated Anti-Carjacking

Time Monitor
Time indicator of Your vehicle

Temperature Monitor
Indoor temperature of your vehicle

Vibration Mode
Remote Control vibrates when the system is triggered

Mute Chirp Sound
Operating silent when the icon is emitted

Alert Alarm
You have set alert timer.

Count Down Timer
Reminder when time is up for parking

Valet Mode
All the function will be temporarily hold.

Arming Mode
Your vehicle is in arming mode

Timer Controlled Start
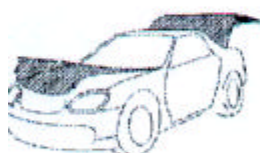At the set time(3 hours or 24 hours), engine starts automatically

Engine Start
Your vehicle's engine is running

Flashing

Battery Change
Battery duration indicator

Driver paging
Someone is paging you in front of your vehicle

Trunk/Hood Trigger
Trunk or Hood is illegally opened (Zone 2)

Door Open Warning
Doors are illegally opened (Zone 3)

Optional Sensor Trigger
Trigger on Optional Sensor (Zone 4).

Shock Sensor triggered
Trigger on board shock sensor (Zone 1)

Home Security trigger
Your PIR or Door Switch is triggered (Zone 5)

Note: Press [car icon] Button, with one melody sound, the system's status will be shown on the LCD screen.

3. Programming of Two Way Remote Control

Transmitter Button	Description	Operation
SET	LCD screen lamp ON	Press once lamp on for 5 seconds
SET	Clear the trigger icon(s) on the LCD screen	Press & hold for 2 seconds
SET + 🔊	Set up fixed count down timer (10min./ 20min./ 30min./ 1Hr/ 1.5Hr/ 2Hr)	Press both button cycling *leave both buttons starting count down then ⏱ flashes
SET + 🚗	Alert Alarm Setting(ON / OFF)	Press both button switching *Alarm On indicates 🔔 on the screen
SET + ＊4	Set up Vibration / Melody Mode	Press both buttons switching *Vibration mode indicates 〰. *Melody mode without 〰 but response melody

3-1. Screen lamp ON

Press button SET once lamp of the screen on for 5 seconds.

3-2. Clear the trigger icon(s)

Press SET once for 2 seconds then respond beep sound twice. It will clear the trigger icon(s) on the LCD screen.

3-3. Set up fixed count down timer

Press button SET + 🔊 simultaneously to adjust fixed count down timer.

Example: Press button SET + 🔊 once simultaneously showing time on the screen (ie. 0:10 Release the button start counting down. Press both buttons simultaneously again showing next order time on the screen(ie.0:20),press them again (ie.0:30).....and so on.

Note: 1.The count down period is fixed as 10 minutes,20 minutes,30 minutes,1 hour, 1.5 hours and 2 hours maximum.
2.When count down timer showing 0:00 means to turn off the timer.
3. Press SET for real time indication when the timer is counting down.

3-4. Alert Alarm setting (ON/OFF)

Press button SET + 🚗 simultaneously to set up alert alarm ON/OFF.

Example: Press button SET + 🚗 once simultaneously then screen shows 🔔 and alarm time (ie 12:00) to turn on the alert alarm.

Press both buttons once again then 🔔 disappear to turn off the alert alarm.

3-5. Set up vibration/Melody mode

Press button SET + ＊4 simultaneously to select the mode of vibration or melody.

Example: Press button SET + $\overline{*}4$ once simultaneously then screen shows 〰 to turn on the vibration mode.

Press both buttons once again then 〰 disappear and responds melody to the melody mode.

TIMER SETTING:

Step	Transmitter SET Button	Description	Press Transmitter 🔊 or 🚗 Button
1	Press & Hold for 4 seconds	Time setting (Hour) *Flash digit for adjusting	🔊 for - and 🚗 for +
2	Once	Time setting (Minute) *Flash digit for adjusting	🔊 for - and 🚗 for +
3	Once	Alert Alarm Time Setting (Hour) *Flash digit for adjusting	🔊 for - and 🚗 for +
4	Once	Alert Alarm Time Setting (Minute) *Flash digit for adjusting	🔊 for - and 🚗 for +
5	Once	Alert Alarm Setting (On / Off)	🔊 for Off and 🚗 for On
6	Once	Count down Timer Setting (Hour) *Flash digit for adjusting (Max.19 hours 59 minutes)	🔊 for - and 🚗 for +
7	Once	Count down Timer Setting (Minute) *Flash digit for adjusting (Max.19 hours 59 minutes)	🔊 for - and 🚗 for +
8	Once	Count down Timer ON/OFF	🔊 for Off and 🚗 for On

EXIT: Press and hold the SET button for 4 or leave it for 10seconds, the system will exit the programming mode.

3-6. Time setting
Programming:

1. Press SET once for 4 seconds then respond beep sound three times. It is on time programming mode.
2. Press 🔊 for decrease the digit of hour and 🚗 for increase it.(adjusting digit is flashing)
3. Press SET once again then the minute digit is flashing for adjusting.
4. Press 🔊 for decrease the digit of minute and 🚗 for increase it.(adjusting digit is flashing)

Example: Time setting at AM10:30

1. Press SET once for 4 seconds then the hours digit flashes.
2. Press 🔊 or 🚗 to decrease or increase the hour digit until AM10:xx
3. Press SET once again then the minutes digit flashes.
4. Press 🔊 or 🚗 to decrease or increase the minutes digit until AM 10:30

3-7. Alert Alarm time setting
Programming:

1. Press SET once for 4 seconds then respond beep sound three times. It is on time programming

mode.

2.Press SET twice then the alert alarm hours digit is flashing and 🕊 solid on for adjusting.

3.Press 🔊 for decrease the digit of hour and 🚗 for increase it.(adjusting digit is flashing)

4. Press SET once again then the minutes digit flashes for adjusting.

5.Press 🔊 for decrease the digit of minute and 🚗 for increase it.(adjusting digit is flashing)

6. Press SET once again then 🔔 flashes for alert alarm ON/OFF adjusting.

7. Press button 🔊 for Off and 🚗 for On of the alert alarm.

Example: Set alert alarm time at PM6:30

   1. Press SET once for 4 seconds then the hours digit flashes.

   2. Press SET twice then the alert alarm hours digit is flashing.

   3. Press 🔊 or 🚗 to decrease or increase the hour digit until PM6:xx

   4. Press SET once again then the minutes digit flashes.

   5. Press 🔊 or 🚗 to decrease or increase the minutes digit until PM6:30

   6. Press SET once again for alert alarm ON/OFF adjusting.

   7. Press 🔊 for Off and 🚗 for On the alert alarm at PM6:30.

3-8. Count down timer setting
Programming:

1.Press SET once for 4 seconds then respond beep sound three times. It is on time programming mode.

2.Press SET 5 times then the Hours digit of count down timer is flashing and ⏱ flashes for adjusting.

3.Press 🔊 for decrease the digit of hour and 🚗 for increase it.(adjusting digit is flashing)
   Note: Maximum is 19 hours.

4.Press SET once again then the minutes digit flashes for adjusting.

5.Press 🔊 for decrease the digit of minute and 🚗 for increase it.(adjusting digit is flashing)

6. Press SET once again then ⏱ solid on for count down timer ON/OFF adjusting.

7. Press button 🔊 for Off and 🚗 for On of the count down timer.

Example: Set count down timer at 2:30

   1.Press SET once for 4 seconds.

   2.Press SET 5 times then the hour digit flashes.

   3.Press 🔊 or 🚗 to decrease or increase the hours digit until 2:xx

   4.Press SET once again then the minutes digit flashes.

   5. Press 🔊 or 🚗 to decrease or increase the minutes digit until 2:30

   6. Press SET once again for count down timer ON/OFF adjusting.

   7. Press button 🔊 for Off and 🚗 for On of the count down timer at 2:30.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two condition.(1).this device may not cause harmful interference. (2).this device must accept any interference received, including interference that may cause undesired operation

Warning:

Note: This equipment has been tested and found to comply with the limits for digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, used and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference in to radiate communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

● Reorient or relocate the receiving antenna
● Increase the separation between the equipment and receiver.
● Connect the equipment into an outlet on a circuit different form that to which the receiver in connected.
● Consult the dealer or an experienced radio/TV technician for help.

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   (1) This device may not cause harmful interference: and

   (2) This device must accept any interference received: including interference that may cause undesired operation.

THE MANUFACTURER IS NOT RESPONSIBKE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT.SUCH ODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.