

MT3000

FCC ID : OT2MT3000B

USER'S GUIDES

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This device complies with part 15 of the FCC rules. Operation 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.

Caution : any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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1.PRODUCTION'S DISTINCTION

Thank you very much for purchasing RADIOPLUS MILLENNIUM MAX.

This production is made more convenient and satisfy vehicle security user with the most advanced communication protocol and battery saving time. Please, be aware of this direction book before using the production.

-Convenience of use

Taking advantage of ICON to all functions makes the production handled any function easily. Therefore, allows use this even at first can handle with any differences.

-Dialogue form carriage

Allows LCD and buzzer of remoter indicate all answers from orders.

User doesn't have feelings of anxieties.

-Full setting method

User can set up so far as detail time thorough cold start, reserve start, warm-up etc.

-Easy to judge alarm

When alarm situation takes place, all movements are embodied as if real car situation.

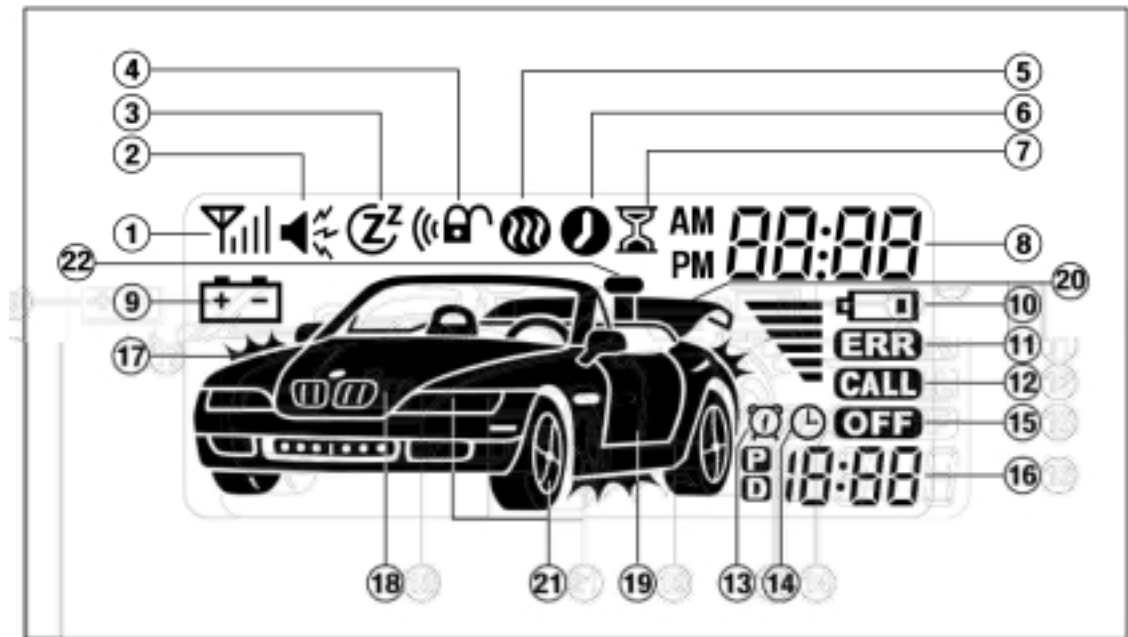
User grasps the situation easily. Each situation's buzzer tone is different to distinguish

with ease.

-Safety functions and loading

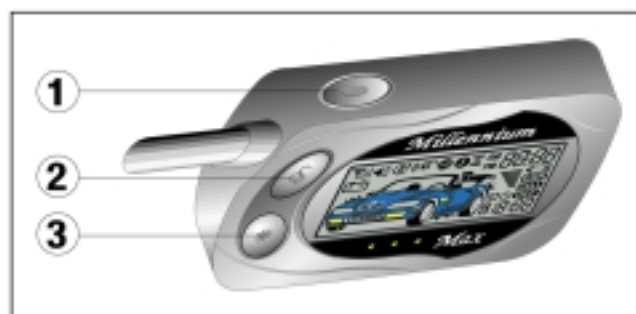
All functions are preserved that used by user even power-off .No need to set mode again after exchanging batteries.

2. EACH ICON SIMPLE EXPLANATION



- | | |
|------------------------|-------------------------|
| 1.ANTENNA | 12.REMOTE CALL |
| 2.HORN | 13.REMOTOR MORNING CALL |
| 3.VALET | 14.REMOTOR TIME SET |
| 4.AUTO LOCK/UNLOCK | 15. REMOTOR POWER OFF |
| 5.COLD START | 16.PARKING/DRIVING TIME |
| 6.RESERVE STAR | 17.IMPACT (HIGH/LOW) |
| 7.WARM-UP TIME | 18.HOOD OPEN |
| 8.CLOCK | 19.DOOR OPEN |
| 9.VEHICLE LOW BATTERY | 20.TRUNK OPEN |
| 10.REMOTOR LOW BATTERY | 21. ENGINE START |
| 11.RUNNING ERROR | 22.LOCK/UNLOCK |

3.SWITCH GUIDESPOT



1.STARTING ENGINE SWITCH AND MENU

- Press button to control engine start shortly.
- Press button long enough to conclude after choosing function of ICON blinking currently or enter the menu mode to correct detail contents.

2.LOCK/UNLOCK PANIC MODE

- Press shortly for lock/unlock operation
- Press long for panic on/off operation.
- In menu mode, setting ICON becomes movable to right and left. In the detail set-up mode, data adds +1 gradually.

3.AUX. 1/2 OUTPUT SWICH

- Press shortly for AUX.1 operation.
- Press long for AUX.2 operation.
- In menu mode, setting ICON becomes movable to right and left. In the detail set-up mode, data adds -1 gradually.

ICON	SHORT	LONG
	Lock / Unlock	Panic
	Find	Trunk
	Aux1	Aux2
	Menu mode	Engine start

4.FUNCTION KEY EXPLANATIONS.

4-1.LOCK/UNLOCK

Make car into the opposite state unlocked or locked in turn. You can recognize it through LCD. Lock situation accompany alarm mode, unlock goes with non-alarm. Light react once and siren twice after normal performance.

4-2.REMOTE START ENGINE ON and OFF.

Control car remotely. Warming up engine time is settled by warm-up time as memorized. When cold-start, reserve-start, remote-start are operated just press button to stop them. Lights and siren react 4times after normal performance

4-3.FIND

To know where car is located and current car situation. Lights and siren react 3times after normal situation.

4-4.PANIC ON/OFF

Emergency case is notified by blinking of lights and siren. Press twice for termination. Standard action time is 30 sec.; you can change time from 1sec. to 99 sec. With installer.

4-5.AUX 1/2 OUTPUT POWER.

Use to control heater air conditioner, sunroof, audio. It is possible to connect selected

equipment through installer.

4-6. TRUNK OPEN.

Release car trunk.

5.MENU EXPLANATION.

Press menu button to enter menu mode.

You can set wanted functions up pressing the front two switches.

5-1.VEHICLE SIREN SET –UP. (ICON PICTURE)

Vehicle siren operated at two situations.

- When receive data from remoter (repeat a single sound)
 - Consider it is invaded by someone under the alarm mode (a long sound)
- Set up the siren for these situations.

5-2.COLD STARTS SETTING-UP.

This function is used for warm the engine up in the cold area periodically.
Select this icon and put into time for periodical engine starting.
A unit is an hour.

5-3.RESERVE START ENGINE TIME

You can reserve time for daily use car. Select this icon and put into time for periodical engine starting.
A unit is an hour and a second.

5-4.VALET SET-UPS

Valet mode is needed when your car is in charge of outsider for car wash, maintenance or parking in restaurant. Only lock/unlock is available at this time.

5-5.AUTO LOCK/UNLOCK.

Test electric sensitivity between vehicle and remote transmitter (approximately 10 m) to practice lock/unlock automatically.

5-6.ENGINE WARM-UP TIME MODES

To decide starting engine time for cold start, reserve start, remote start etc. Be able to set under any situation of seasons, countries freely.

5-7.REMOTE MORNING CALL MODES

Set alarm for appointment or wake-up in the morning.

5-8.REMOTER FOR SETTING TIME.

Set the current time.

5-9.REMOTOR POWER -OFF.

Power-off switch to save battery during long-term absence or no use of alarm mode, for a while. but morning call is still available.

6.SORTS OF ALARM RECEIVER.

When receive these alarms, buzzer of remoter occur alarm sound but LCD won't stop. For example car door must be shut down to close remoter LCD door. But impact is one shot that remote icon vanish after alarming as far as it doesn't happen continuously.

6-1.LIGHT IMPACT RECEIVERS

Not a severe situation alarm but an impact alarm for preparation. Just one disappear among three impact icons. Violent wind, speedy car, slight contact may cause reaction.

6-2.HEAVY IMPACT RECEIVER

An impact alarm under the severe alarm situation. All three icons are removed. Buzzer tone of remoter is same with slight impact alarm but sound is bigger.

6-3.DOOR OPEN SENSORS.

In the case of door open under alarm mode.

6-4.ENGINE STARTING MODES.

In the case, vehicle engine starting under alarm mode. Parking lights vanish and wheels go around.

6-5.HOOD OPEN PERCEPTIONS.

In the case of car hood open. Hood icon may vanish at remoter LCD.

6-6.TRUNK OPEN PERCEPTIONS.

In the case of car trunk opened. Trunk icon is vanishing at remoter LCD.

6-7. VEHICLE LOW BATTERYALARM FUNCTION.

Disappear when car battery drops under regular electric power .It means battery accident could happen someday.

6-8.ACTION ERRORS NOTIFY ALARM FUNCTION.

Error icon may disappear at those situations.

-In the case of car door open when remote car lock/unlock.

-In the case of car door open when operate cold start, reserve start, remote start.

- When remote engine starting even car started whit her own key.
- When remote engine starting is not operated.

7.IN THE CASE OF MANUAL TRANSMISSION VEHICLE.

When user parks the car without neutrality of gear, accident might happen when starting engine for cold start, reserve start, remote start.

Of course, engine starting won't be operated under the situation of non-safe parking at the security system. But user has to complete the process of safe parking as follow to remote engine starting.

In the case of being registered as manual transmission car by installer.

- Engine won't stop even key is removed after driving.
- Car will go ahead or back when user goes out of the car without neutrality of gear. This will notify user to put the gear neutral.
- Pulling hand brake and closing door make engine stopped automatically.
- Engine-stopped compulsorily by remote transmitter cause engine won't start at next time.

8.BRAIN OPERATE DESCRIPTION

Brain has two ways of sending RF signal.

The first is remoter receives certain data (ex. door unlock), the second is car outside environment changes (ex. car in shock)

In case of remoter receives certain data.

When brain receives data (door lock, engine start) from remoter, brain locks door, starts engine and send these messages to remoter. Then user come to know door locked, engine started.

In case of car outside environment changes (operate in arm)

When car is in shock from the outside or door open, brain percepts and send these data to remoter.

Refer to brain wiring diagram, INPUT PORT and SHOCK SENSOR send data to remoter by vehicle inside, outside changes. Other PORTs send data from remoter to brain and operate to resend data to remoter.