

2-Way car alarm TS 6000



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■ System description

- KEETEC TS 6000 is 2-way car alarm for vehicles with power supply 12V. The system senses doors, hood, trunk of vehicle. TS 6000 has a shock sensor and possibility for additional sensor connection. The system is protected by hopping code of second generation. The car alarm cut start of engine at violation of any sensed zone and triggers the alarm by sound and optical alerting. The vehicle status is possible to monitor on display of LCD transmitter with range to 2000m. If the vehicle is violated, the display informs violated zone by sound, optical and vibration alerting. The LCD transmitter controls also central lock and trunk. The system has many other function written in this manual.













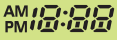









■ LCD 2-way transmitter description



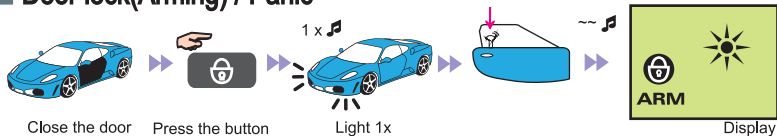
- illuminated LCD display
- vehicle status and range display
- violated input display
- sound signalling (ON/OFF)
- vibration signalling (ON/OFF)
- time, alarm-clock, timer (ex. for parking)
- buttons blocking
- function SMART activation
- valet mode display
- program menu
- system control
- battery in transmitter - 1,5V AAA

Button		Function		1x short press (1 sec.)	2x short press (within 1 sec.)	1x long press (2 sec.)	Page
Nr.	Symbol						
1		Arming / Disarming		Arming / Disarming	Arming / Disarming (mute mode)	Panic alarm	7
2		NC		NC	Anti-hijack disarming	Anti-hijack arming	9
3		Car location		Car location	ON / OFF shock sensor	Trunk unlock	7,8
4		Vehicle status		Vehicle status	Valet mode ON/OFF (with turn ignition ON)	Stopwatch	8,9,11
5	 illuminated LCD ON (press 1x)	Press continues (basic functions)	2 sec.	HoL	Buttons lock		
			4 sec.	Atb	Automatic buttons lock		10
			6 sec.	bur	Transmitter mute mode		
			8 sec.	ALm	Stopwatch ON		
			10 sec.	CLOCK	Time setting		
			12 sec.	ALARM	Time setting for stopwatch		11
		Press 3x (program setting mode)	Button 4		Menu setting		14
			Button 3		Function setting		
			Button 2		Setup OFF or selection		
			Button 1		Setup ON or selection		
Button 5			Setup finish				
5+3	+		LCD back light (ON / OFF)				12
5>1		Siren ON/OFF at the shock sensor					11
5>3		AUX-1 output (1-way transmitter: Press button * for 2 seconds)					12
1+3	+		Programming mode (1-way transmitter, ignition ON) Program reset (in valet mode)				14
5+4	+	Vibration mode (ON / OFF)					12

LCD display

 ARM	Arming (Doors lock)	CLOCK	Current time setting
 DIS ARM	Disarming (Doors unlock)	ALARM	Time setting for alarm-clock
 START	NC	START	NC
 TRUNK	Trunk unlock	 VALET	Valet mode
 DOOR	Door open		Battery status (for transmitter)
 SHOCK	Shock sensing		Optical alerting
 CALL	NC		Buttons lock (functions setting)
 ALARM	Alarm-clock ON		Time, temperature program menu
 AUTO START	NC		Stop-watch
	Siren OFF (for shock sensor)		RF transmit
	Buzzer OFF	 START	NC
ACCESS	SMART access ON	AUX1	AUX-1 output
TURBO	NC	AUX2	NC
TEMP	NC		NC
 ERR	Signal error		Vibration mode ON

Door lock(Arming) / Panic



- Delay of input activation (doors contacts, ignition) is Setting in range 5-45 sec. of system activation (function 3-8). Default delay: 5 sec.
If doors are opened, starts sound alerting after expiry of delay.

Display
(Remote engine start can't be operated if the door is opening)

PANIC

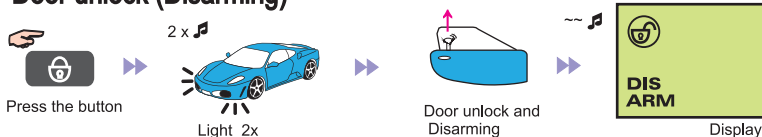
Press the button for 22 sec

Siren operation for 30sec

Panic alarm:

In case of emergency you can let people know the emergency status by flashing the parking lights and siren.

Door unlock (Disarming)



- If you don't open the door within 30sec, after the disarming, the vehicle enters alarm mode again with the door is automatically locked.
- **Mute arm / disarm:** Press 2x button: (within 1 sec.).

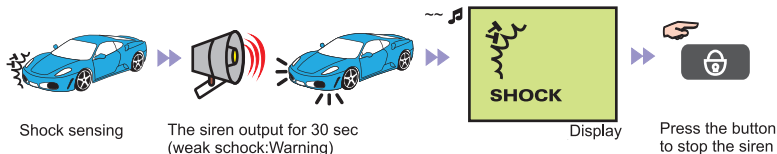
Trunk unlock (Car finder)






- The system disarms after trunk unlock by transmitter (if the system is armed). If any door is not opened within 30 sec., the system arms automatically and the vehicle locks.
- The shock sensor will turn ON after trunk closing.
- **Car finder function:** If you press the trunk button for 1sec in arm mode, you can confirm current status of vehicle with "Beep" sound and light.

Alarm functions

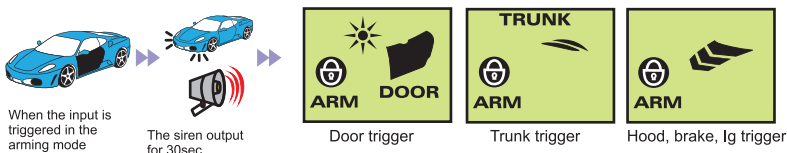
Shock sensing



- After arm delay time (5 - 45), this function is operated after 20 seconds. Arm delay time default:5 seconds, See the table 3-8.)
- Shock sensing OFF: If you want shock sensor is OFF(1time) you need to press the trunk button  2times in arm mode.
- weak shocks sensing OFF: press 2x button 
- strong shocks sensing OFF: press 2x button again 

Shock sensing is stopped at the remote engine start.

When input is triggered



- The alarm is repeated 4x at each violation.

 Press the button to stop the siren

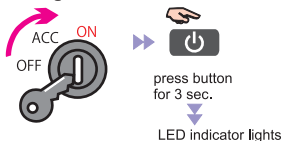
Checking the vehicle status



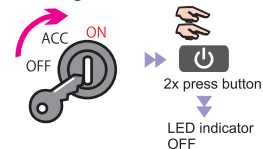
- **ERR** This icon is turned on when it can't receive reception after operate transmitter.

Anti-hijack

Arming



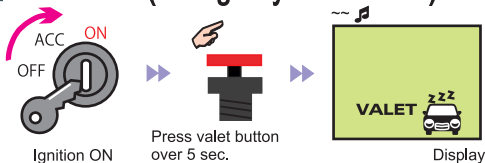
Disarming



- Active mode (vehicle theft attempt during driving - at stop)**
 Arm anti-hijack. Open and close door at ignition ON. LED indicator will OFF. Doors will unlock within 20 sec. After 2 min., the alarm will trigger 4x for 30 sec.
Anti-hijack disarming : turn ignition ON and press valet button 5x
- Passive mode (vehicle theft attempt with original key and transmitter)**
 Arm anti-hijack. Turn ignition OFF, LED indicator will OFF.
 Arm the system. after disarming and door open LED indicator will switch ON. Turn ignition ON, LED indicator will OFF, doors unlock over 15 sec. After 2 min., the alarm will trigger 4x for 30 sec. The alarm is triggered for 30sec. each door open.
Anti-hijack disarming: turn ignition ON and press valet button 5x

Notice: In anti-hijack mode is signalling the alarm only. Engine-cut circuit doesn't work.

Valet mode (Emergency deactivation)



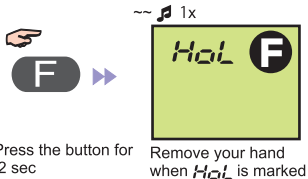
The function is normally functioned if you repeat again. (Valet icon is off on the display)

ON: 1 x 🎵
OFF: 2 x 🎵

- In the case of the valet mode, you can operate only door lock/ unlock and trunk open by transmitter.
- Use this function when you leave your car to other person that don't know how to use this transmitter.
- Use these steps also for emergency deactivation.

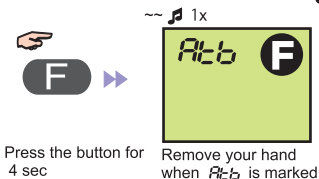
Basic functions

Buttons lock



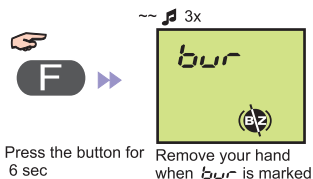
- If the button hold mode is ON, **F** is displayed and user can operate only **F** or **M** button
- If you want to cancel it, press the **F** button for 2sec one more time (**F** is OFF)

Automatic buttons locking



- If the the automatic buttons locking is ON, the display shows icon **F** and active buttons are only **F** and **M**
- If would you like OFF blocking, press button **F** again over 4 sec.

Buzzer ON/OFF



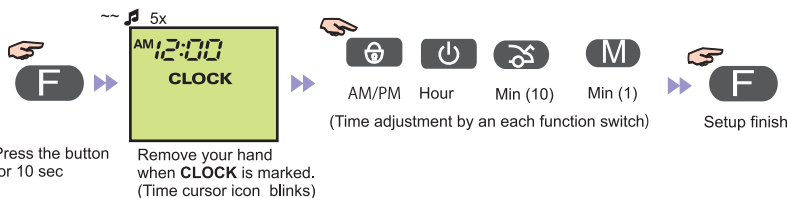
- If the buzzer is OFF, is displayed and the transmitter do not output any sound.
- Mute mode is signaled on the display by icon.
- If you want to cancel it, press the **F** for 6 sec (icon is OFF).

Alarm ON/OFF



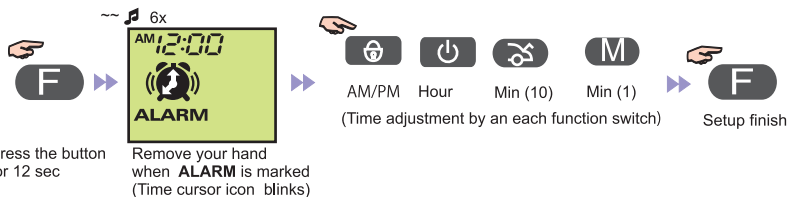
- If the alarm is ON, is displayed and the melody is outputted at setting time.
- If you want to cancel it, press the **F** button for 10 sec (is OFF)


Current time setting



- Notice: Time setting will finish automatically, after 10 sec. of last button pressing.

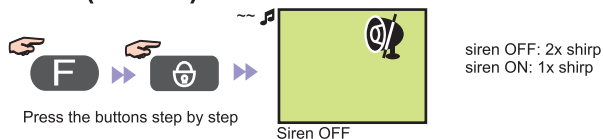
Alarm time setting



- Setting time is inputted in memory.
- The icon  is marked in transmitter when alarm is "ON". (page 14).

ALARM

Siren (ON/OFF)



- When turned siren off, sound of the shock sensor is only stopped
(The state is displayed to the LCD 2-way transmitter).

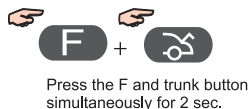
Basic functions

Timer function



- This function is convenient when confirmation of the parking time and driving time.

LCD Lamp ON/OFF



LCD lamp OFF: 1 x 🎵
LCD lamp ON: 2 x 🎵

Vibration mode



- This icon is displayed on when vibration mode is on and buzzer off. (At the door, trunk, hood, brake strong shock sensing)

Aux-1 output



AUX-1 will be outputted for 1sec. If you want to output time, change to 3-5 of the program menu.

One way transmitter:
Press button (✳) for 2 sec.

This icon is turned on when you operate AUX1 output.

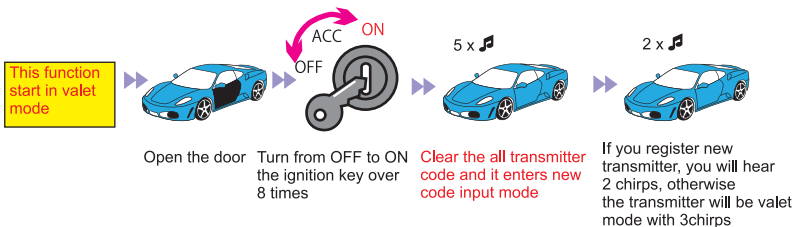
SMART acces mode

- SMART function provides automatic arming in move away from vehicle and disarming come near to vehicle (function ON/OFF - program menu 4-6)

If you use this function, the transmitter battery life will be short.



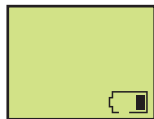
■ Transmitter code learning



- This function is used when you lose transmitter or break down. You can use this function though siren is continually operated.
- The transmitter input is possible to each maximum 2pcs both one way and two way transmitter.

■ Low battery indicator

- If the operation range of transmitter is shortened or the buzzer sounding was lower than normal, please replace the battery to new one.
- You must adjust current time again after battery interchange.
- The alkaline battery life is 2-3 months and exchange the battery at once if the icon blinks.



Display

■ 1-Way transmitter description



- system control
- system setting
- battery in transmitter - 2x CR 2016, 3V

(transmitter is not included!)

Program settings

Program reset

- **Program reset of the main control unit:** If you press and button simultaneously for 2 seconds within 30sec after ignition OFF at the valet mode, all program will default setting
- **Program reset of the LCD transmitter:** If you reset main control unit, you must reset of the transmitter. Put battery in with press M button after remove the battery of the transmitter and then all program of the transmitter will default setting.

Program setting

- Program setting method is different according to transmitter. Two-way and way). Transmitter must be disarm at the program setting.
- **LCD 2-WAY TRANSMITTER**



Step 1: Press the **F** button 3x

Step 2: You can change to menu of the P-1, P-2, P-3, P-4 by press the **M** button.

Step 3: Choose the function you want by press the trunk button.

Step 4: Choose the program state by press the button 1(ON) or button 2 (OFF)

Step 5: Function you choose will be transmit a main and setting is completed by press the **F** button.

ONE-WAY TRANSMITTER

One way transmitter can be change only in P-1 and P-2 of the program menu. Program menu step is marked by chirp sound (ex: Menu 1-1 = 1x , 1-2 = 2x , ..)

Step 1



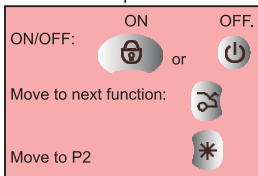
Ignition key
ON

Step 2



Press the 1 and 3 button simultaneously
for 3sec within 30sec after ignition ON

Step 3



Step 4



The setting is completed
if the ignition key OFF
or turn off automatically
after 5sec.

■ Program menu #1 (P1)

- for TS 6000 not used

Program menu	LCD Display	P-2 Basic functions	Factory setting	Optional
			Press button 1 or 2	
2-1	CCH	N/C		
2-2	IGL	Ignition lock/unlock	OFF	ON
2-3	PSA	Passive arming	OFF	ON
2-4	PSL	Passive lock	OFF	ON
2-5	LdA	Last door arming	OFF	ON
2-6	CHP	Chirp sound	ON	OFF
2-7	dUP	Double unlocking pulse	OFF	ON
2-8	dLP	Double locking pulse	OFF	ON

Program menu	LCD Display	P-3 Timing settings	Factory setting	Optional
			Press button 1 or 2	
3-1	Stt	N/C		
3-2	Std	N/C		
3-3	Sto	N/C		
3-4	Cst	N/C		
3-5	Au1	Aux 1 output (LCH=Continue)	1	5 10 20 40 LCH (Sec.)
3-6	Au2	N/C		
3-7	ttt	N/C		
3-8	Amd	Delay of outputs protection.	5	10 15 25 35 45 (Sec.)

Program menu	LCD Display	P-4 Advanced setting	Factory setting	Optional
			Press button 1 or 2	
4-1	Spo	Siren pulse output	OFF	ON
4-2	Aed	Automatic engine disable	OFF	ON
4-3	Lot	Unlocking pulse	0,5 sec.	3,5 sec.
4-4	Bps	Arm reminder	OFF	ON
4-5	dom	N/C		
4-6	SAC	SMART access mode ON/OFF	OFF	ON
4-7	CAS	Locking pulse	As unlock	20 sec.
4-8	Acd	Arm cancel mode at door open	OFF	ON

■ Program menu (P-2) - Basic settings

● 2-2 Ignition lock/unlock

When turned ON, the doors will be locked when step on brake after the ignition is turned ON. The doors will be unlocked when the ignition is turned OFF.

Getting on the vehicle during remote start: Door is locked when ignition key ON and then step on the brake.

● 2-3 Passive arming

When turned ON, the system will arm automatically after 30seconds if the ignition key is OFF and door open/close.

● 2-4 Passive lock

When turned ON: When the system is arm by passive arming, door lock will be automatically operated.

● 2-5 Last door arming

When turned ON, if all door is closed at the disarm, door lock will be operated with arm after 30 seconds.

● 2-6 Chirp sound

In the default setting, siren of the vehicle will output chirp sound when you operate transmitter.

● 2-7 Double unlocking pulse (installation only)

If this function is ON, each door unlock = 2 impulses. The function is activated, when unlock impulse is setting on 0,5 sec.

● 2-8 Double locking pulse (installation only)

If this function is ON, each door lock = 2 impulses.

■ Program menu (P-3) - Timing settings

● 3-5 Aux 1 output (installation only)

Duration of Aux1 output setting. If CLH is adjusted, Aux1 output is constant (the output will be activated till disarm by transmitter).

● 3-8 Arm delay time setting

Arm delay time delay of sensing for doors, trunk, hood and ignition.
Shock sensor will work 20 sec. after delay time.

■ Program menu (P-4) - Advanced functions

● 4-1 Siren pulse output

In the default setting, siren will be continually outputted for 30 seconds when alarm is operated. When turned ON : Siren will be outputted to pulse

● 4-2 Automatic pulse disable

When turned ON, starter kill will be automatically outputted 30 seconds after ignition OFF with LED blink slowly.

● 4-3 Unlock pulse (installation only)

If this function is ON, unlocking impulse length is 3,5s. If this function is OFF, unlocking impulse length is 0,5s.

● 4-4 Arm reminder

If this function is ON, the car alarm will sound 2x, after each open and close door over 10 sec., it reminds that is OFF. If the function 2-3 or 2-5 is ON, The reminder doesn't work.

● 4-6 SMART access mode ON/OFF

When turned ON, LCD display ACCESS icon. And the main control unit sense the transmitter when transmitter is near by vehicle, the system will be automatically disarm (Unlock). If the transmitter is far from vehicle, the system will be arm. If you use this function, the transmitter battery life will be short.

● 4-7 Locking pulse

If this function is ON, locking impulse length is 20 sec. If the function is OFF, locking impulse is the same as unlocking impulse.

● 4-8 Arm cancel mode at door open

When turned ON, if the door is open, arm is not operated by transmitter. In this case, you can operate arm after closing the door.