



FS-99

2-Way Touch Screen Remote Paging Alarm & Engine Starting System *OPERATION INSTRUCTIONS*

FCC Regulations:

This device complies with part 15 of the FCC Rules. Operation is subject to the following

two conditions:

1) This device may not cause interference and

2) This device must accept any interference, including interference that may cause

undesired operation of the device.

15.21

You are cautioned that changes or modifications not expressly approved by the part

responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital

device, pursuant to part 15 of the FCC rules. These limits are designed to provide

reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not

installed and used in accordance with the instructions, may cause harmful interference to

radio 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 from that to which the receiver

is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Remote function table

Remote command	Buttons		Conditions
Arm			
Disarm			
Lock			Ignition on
Unlock			Ignition on
Silent Arm			
Silent Disarm			
Car Finder			Arm state
Anti-Hijack			Ignition on
Panic		 hold 2 sec	Ignition off
Shock by pass			
Activate Channel 1 (Trunk Release)		 hold 2 sec	See function program
Activate Channel 2 (2 nd Unlock)		then 	See function program
Activate Channel 3 (Dome Light)			See function program
Activate Channel 4			See function program
Activate Channel 5			See function program
Activate Channel 6			See function program
Remote engine start		 hold 2 sec	
Remote engine shut down		 hold 2 sec	
Arm with engine running			Engine run (by ignition key)
Remote valet			Disarm state

Outside view:



MAIN PAGE:

Press KEY to display Page 0: **press anywhere in touch area to display PAGE ONE**

Press KEY hold 2 sec to display **black& white pages**

Press the button for KEY it will become the main page press again it will become clock, and there are four colors for the clock, just touch these color point, the clock will change the color too.



PAGE ONE:



Press Forward or Backward button display other page

Other PAGES:




























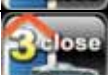





















Button define is same as PAGE ONE,such as : P10K3 is CH5 button in p10

When transmitter received the car alarming will play trigger movies and sound voice:
The move will be stopped,if the key pressed

Cancel count down: set count down =00:00

Cancel alert time: set alert time =00:00

Button in other page function table:

Buttons	Buttons	Buttons	Buttons	Buttons	Buttons
	Arm		Set count down start time		
	Disarm		Compass		
	Trunk		Infrared remote control		
	Remote engine start		LOCATE/FIND		
	Silent arm key		Status Check		
	Silent disarm key		Get vehicle battery volt		
	Activate Channel 3		Get the outside temperature		
	Activate Channel 4		car jack key		
	Activate Channel 5		Remote valet		
	Activate Channel 6		Set currently car to 1 st		
	Engine running time add		Set currently car to 2 nd		
	Silent Mode		Set currently car to 3 rd		
	Open/close garage1		Set currently car to 4 th		
	Open/close garage2		set car name		
	Close Garage		Set car loge in p0		
	Open Garage		Set park time		
	IR remote control switch		Set park position		
	IDLE DOWN		Set count down time		
	Set temperature start		Trigger record		
	Set daily start 1		system set		
	Set daily start 2		Show DEMO		
	Arm bypass 1 st sensor		PIN CODE ON		
	Arm bypass 2 nd sensor		PIN CODE OFF		
	Arm bypass all sensor		Set vibrate/melod /tone		



can enter the setting page, to change the following settings

Date : MM-DD-YYYY 10-10-2011	date	Power save : OFF	power save: ON/OFF
Time mode : 24H	time mode 24H/12H	Melody : ON	Melody: ON/OFF
Language: English	language	Key beep : ON	Key beep: ON/OFF
Set time: HH:MM 12:00	set time	Shock : ON	Shock: ON/OFF
Back light 1-5 5	back light	Power off Y/N? N	power OFF N/Y
Light delay : 4-19 08	light delay	Compass reset N	compass reset N/Y
Alert : HH:MM 12:00	alert time	Pin code switch: OFF	Pin code switch ON/OFF
Alert switch: OFF	alert switch ON/OFF	pin in 1st: *****	Pin code change
temperature unit °C	temperature unit /		

Press can switch option, press can switch on/off



Infrared ray remote control instructions

Can learn 4 different infrared ray remote control

Learning method:

1. First choose item



2. Press and the upper left corner will display Learn, then press other button to learn the corresponding function

EX: First press to learn power, then press , it will display **S** 1ST on the top

3. TS11 and learning infrared ray remote control, the infrared ray must in 8MM

4. Press the corresponding function button of infrared ray remote control, on the top of TS11 will display **S** 2ST and beep a sound

5. Then press once the corresponding function button of infrared ray remote control, TS11 will beep a sound, means learning successfully, TS11 will display FALL if learning fail.

PS: Every different function buttons will need to re-operation once







Touch-Screen Locate/Find function description


- **Locate/Find page:**

Press the button  to enter the Locate/Find page

- **Select the transmitter:**





Press     button to select different transmitter which you want to Locate/Find/Learning/Name register

- **Register the name for your selected transmitter:**

Press the  name button to register each Locate/Find transmitter name
For example: Select TAG1 to name the 1st transmitter.

 Change uppercase/lowercase  Change number/words  ENTER


- **Locate/Find transmitter Code-Learning:**

a. Press     button to select different Touch-Screen transmitter which you want to Learning.


For example:

If you want to transmitter TS1 & TS2 (please mark 1&2 on the 1st & 2nd transmitter to avoid the forgetting) to be Locate/Find each other:

Press the TS1 Locate/Find page  button to select  TS2

you want to do the code-learning, then press  code-learning button.

Then press the TS2 Locate/Find page  button to select  TS1

you want to do the code-learning, then press  code-learning button.




The TS1& TS2 will automatic to do the Locate/Find code-learning each other within 30 seconds.

If learning successful, will display “OK” on the top-right side of the screen also a confirm melody.

Each time only allow 2 transmitters to do Locate/Find code-learning.





Please refer the above example to do the L Locate/Find code-learning for TS1/TS3, TS2/TS3, TS1/TS4, TS2/TS4, TS3/TS4.

b. To do the 1-way transmitter Locate code-learning:

Press the Touch Screen transmitter  code-learning button, within 30 seconds, press one way transmitter button  +  together at the same time.

If learning successful, the Touch-screen transmitter will display “OK” on the top-right side of the screen also a confirm melody.


● **Locate**

a. Press     button to select different transmitter which you want to Locate.

Then press the button  to **Locate**





Activate this function can locate where the missing key is. If there is a successful returned signal receiving from the lost transmitter, will display OK on the top-right side of the handset. If failed, will display LOST. The transmitter which has been searched will keep beeping and LCD flashing for 60 seconds and also display the name of the call transmitter on the screen.

b. Using 1-way transmitter to Locate Touch-Screen transmitter

Press one way transmitter button  + * together can locate the remote which has been learned.

The TS transmitter which has been searched will keep beeping and LCD flashing for 60 seconds and also display the name (by number or by name depends on the name registration preset) of the 1-way transmitter on the screen.

● **Find**

Press     button to select different transmitter which you want to Find.

Then press the button  to **Find**

Activate this function can trigger the missing transmitter, to be beeping and transmit signal out for 60 seconds. The finder TS transmitter also will beep and display the range depend on the finder TS how close to the missing transmitter as below:

Distance signals:

Far: Each time beeps twice.

Middle: Each time beeps 3 times.

Near: Each time beeps 4 times.


You can see the distance message (Far/Middle/Near) showed on the display to know whether you are getting closer to the searched transmitter or not.

The transmitter which has been searched will keep beeping and LCD flashing for 60 seconds and also display the name of the call transmitter.

If the transmitter is out of the receive range or have no returned signals from the searched transmitter, system will show “NO FIND” on the display.

1. Arm



Press button  once, system will chirp once, parking lights flash once, lock the doors, starter disabled, window close output 30 sec. (if CH4 programmed), status LED start to flash slowly,


Will chirp 4 times and parking lights flash 4 times if door or hood or trunk isn't closed well while arming, and will not detect the door (hood, trunk) open until there are full closed well.

The pre-warn is bypassed after 5 cycles and reinstated after 10 minutes.

The sensor trigger is bypassed after 4 cycles and reinstated after 1 hour.

2. Disarm




Press button  once, system will chirp and flash twice, unlock the door, turn on dome light, LED flash rapidly 30 sec. (if rearm function ON and off when door or trunk open or ignition turn ON). IF system was alarmed in arm mode (except warning zone of shock sensor) then if disarm siren chirps 4 times.

IF system was alarmed in arm mode, Transmitter will chirp 4 times and show triggered detail record include trigger zone name, time, date.


3. Silent Arm



Press button , system will arming without chirp.

4. SILENT DISARM




Press button , system will disarm without chirp.

5. Alarm mode

The siren will sound, parking lights flash 30 sec. if door or hood or trunk is opened or ignition key is turned on or triggered main zone of shock sensor. If triggered warning zone of shock sensor siren chirps 6 times.



To stopping alarm press button  or .

Number of alarm hasn't to be more than 5 times for each zone.

6. Trigger zone display


When system is alarming or after disarming, if the LED quick flashes several times and then 1 second pauses, it indicates the system has been triggered, and the times the LED flashes indicate the zone that was triggered, as below:

- Twice: AUX 4 PIN 1 heavy trigger
- 3 times: AUX 4 PIN 2 heavy trigger
- 4 times: TRUNK
- 5 times: DOOR
- 6 times: HOOD
- 7 times: IGN

7. Arm without ZONE


1. Arm bypass sensor 1



Press button , once to set arming, siren chirp, parking lights flash once, Sensor 1 will be bypassed. Sensor 2 is normal


2. Arm bypass sensor2





Press button , once to set arming, siren chirp, parking lights flash once, Sensor 2 will be bypassed. Sensor 1 is normal

3. Arm bypass sensor1 and sensor2




Press button , once to set arming, siren chirp, parking lights flash once, Sensor 1 and Sensor 2 will be bypassed.

4. IDLE DOWN

While engine is running and the key at ignition ON position press button , parking lights flash, **transmitter** sounds. Then get out ignition key (engine goes on running!). Press button  system will chirp once, parking lights flash once. Engine will be running 15, 30, 45 or unlimited time period (according the program features 24) then shut down and system. Shock sensor is bypassed at this period.



Press button  hold 2 sec to shut down engine. Parking flash once for confirm. Engine also shut down when alarm.

5. Auto rearm

System will be rearm and relock if ignition key doesn't turn on within 30 seconds after disarmed. It's programmable function – see program features 05.

6. Passive arming / Arming reminder




If passive arming function is on, arming reminder automatically disabled.

Ignition is off after driving, open the door, leave out and close it. the system will automatically armed after 30 sec. Passive arming still no lock door. It's programmable function – see program features 06


If passive arming function is off, arming reminder automatically enabled.

Ignition is off after driving, open the door, leave out and close it. Customer leave car without arming. After 15 sec. should give 4 chirps once to remind customer has not armed the system. After warning chirps not do anything.



7. Two-Stage unlock

Press button  will unlock driver's door only. Hold button  for 2 seconds or press button  twice (see program feature 10), will unlock the passenger's doors (activate "2nd stage Unlock Output"). If programmed.

8. Lock

Press  button will lock the doors.


9. Unlock

When system is disarmed and ignition key is on, press  button will unlock the driver's door. Hold button  will unlock the passenger's doors (activate "2nd stage Unlock Output").


10. Lock / Unlock door upon ignition

If this function programmed (program feature 02) car's doors lock automatically when ignition turn on and unlock when ignition turn off.
After all doors are closed, the door will be locked automatically upon first footbrake.




11. Car finder

When system is armed, press button  simultaneously one time, siren will chirps 6 times and parking lights flash 6 times.

12. Channel 1 (Trunk Release)

 **Push and hold button**, will keep output till release the button.. When system armed shock sensors and trunk trigger will bypass until 10 sec after trunk closed. (See program feature 10)


13. Channel 2 (2ND UNLOCK)

Press button  will unlock driver's door only. Hold button  for 2 seconds or press button  twice (see program feature 11), will unlock the passenger's doors (activate "2nd stage Unlock Output"). If programmed.

Press and release button , then press button  in 3 seconds to activate channel 2, remote Output pulse time of channel 2 is programmable function (program feature 11).


14. Channel 3 (Dome Light)



Press and release button  to activate channel 3, remote Output pulse time of channel 3 is programmable function (program feature 12).


15. Channel 4 (HORN -O/P)



Press and release button  to activate channel 4, remote Output pulse time of channel 4 is programmable function (program feature 13).


16. Channel 5 (ACC -O/P)



Press and release button  activate channel 5, remote Output pulse time of channel 5 is programmable function (program feature 14).

17. Channel 6 (IGN3 -O/P)




Press and release button  to activate channel 6, remote Output pulse time of channel 6 is programmable function (program feature 15).

18. Panic

In arm or disarm mode and ignition key is off.





Hold button  for 2 seconds , system enter panic mode. System arm (with doors locking), siren will sound and parking lights flash for 30 sec. Press button  or  during 30 sec to stopping alarm mode. (System stays at arm mode).

19. Anti-hijack mode

Ignition must be ON and all doors closed.



Press button  , (or press override button once then open and close door) to activate anti-hijack mode.

Parking lights flash once, LED start to flash rapidly. To deactivate anti-hijack mode press button  or enter override.

After 30 sec system enter arm with alarm modes, stopping alarm and disarm by transmitter is disable. To deactivate anti-hijack mode enter override only.

20. Valet mode

At valet mode system can be remote door lock / unlock, activate channels. No any protect function.

Enter and exit Valet mode procedure:

- Turn on ignition in disarm mode
 - Press override button 5 seconds
 - Parking lights flash and siren chirps 2 times
- Enter valet mode led still on. Exit valet mode led will off

Other way:

- In disarm mode



- Press and release button

21. Override disarm

- turn ignition ON
- press override button 5 seconds. The system will disarms.

22. Manual arm

Turn ignition off, press override button 3 times. Then open and close all doors. System auto arms in 10 sec with out door closing. If used manual arm mode and any zone triggered system turn alarm mode in 20 sec delay.

23. Turbo timer

Turbo timer is programmable function (feature program 23)

If function on:



press button once

- turn ignition key off and take out the key (engine is still running)
- engine will run for the programmed duration



To stopping engine press button hold 2 sec. Parking flash once for confirm.

24. Learn tachometer (RPM)

- turn on ignition
- press override button 6 times,
- wait 2s, parking lights flash and siren chirps 6 times
- press override button 1 times,
- siren chirps one time

Start the vehicle with the key. while the engine is running, the parking will flash. if don't, please check tachometer wire connection.




Press  on transmitter to record the RPM. Chirp once to confirm. And exit the RPM learn mode.



Press  on transmitter to exit the RPM learn mode. chirp 4 times and flash 4 times

25. Remote engine start



Press and hold 2 sec. button  to remote engine start, parking light flash twice to confirm. If engine isn't started up from first, the system will automatically total start the engine 4 times. Cranking time (program feature 19) of each next attempt will be increased by 0.2 sec.


If start is successful. parking lights flash 3 times

Engine runs during "running time". Then shut down automatically.



To stopping engine press button  hold 2 sec. Parking flash once for confirm.



During engine is running, press  to add engine running time. Engine running increased 10 minutes
The maximum can extend to 120 minutes

* Remote engine start failure indicator

LED flash 2 times, HOOD OPEN

LED flash 3 times, HAND/PEDAL BRAKE ERROR

LED flash 4 times, IF CAR BATTERY VOLTAGE IS LESS THAN 11.5V

LED flash 5 times, RPM is run.

LED flash 6 times, RPM TOO SLOW OR HIGH

LED flash 7 times MANUAL GEAR CAR NO MID GEAR PROCEDURE

LED flash 8 times, DIESEL WAIT TIME OUT

LED flash 9 times, TRY 4 TIMES FAIL

26. Learning codes of remote transmitter


There are only four transmitters may be learned in system's memory.

Codes of learned remote transmitters will be erased each time the learning mode is activated.


To activate leaning codes mode:

- turn on ignition
- press override button 4 times
- wait 2 seconds, parking lights flash and siren chirps 4 times




- press button  of first remote transmitter
- siren chirps and remote transmitter beeps once




- press button  of second remote transmitter
- siren chirps and remote transmitter beeps two times



- press button  of third remote transmitter
- siren chirps and remote transmitter beeps 3 times





- press button  of fourth remote transmitter
- siren chirps and remote transmitter beeps 4 times

After 20 sec or turning off ignition system will get out the Learning codes of remote transmitter procedure, parking lights flash 4 times.

27. MANUAL TRANSMISSION EXIT PROCEDURE:



1. With engine running, parking brake set and vehicle secured in neutral, press and hold 2 sec the  button (or Idle Down button) on transmitter. The remote start system will unlock the doors, and "take-over" operation of the vehicle.
2. Remove ignition key and exit vehicle.
3. 10 seconds after closing all doors, press the  button. The system will now shut down the engine, lock the doors and Arm the alarm system. From this point, the unit will start the engine unless the alarm was triggered and/or a door was opened.

hand brake not set SIREN chirp 3 times engine not running SIREN chirp 5 times

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Turbo Timer on Manual Transmissions

Make option to have engine turn off after Turbo timer is finished (instead of turning off with lock). When



 button is pressed, the parking lights start flashing to signal manual transmission mode and the engine turns off after Turbo Timer. This would only be for Manual Mission with Turbo Timer

28. Programming functions

1. Turn Key to the ON position
2. Press program / valet button 5 times. After a few seconds the unit will flash the Parking lights and siren chirps 5 times

3. Push the valet program button [again] the number of times that corresponds to the option number desired (1-20X). You must get a light flash after each button press. See chart on next page for option list.

Exit feature programming: After 20 sec or turning off ignition system will get out the feature programming setting procedure, parking lights flash 4 times.

Option #	Option Description	TX Button #1 Factory Default	TX Button #2	TX Button #3	TX Button #4
1	Engine Monitoring	<i>Tachless Low Level</i>	Tachless High Level	Engine R.P.M. (Tach)	Hybrid Mode
2	Auto lock with Ignition	<i>Ignition ON = Lock Ignition OFF = Unlock</i>	OFF		
3	Open Door Warning	<i>45 Sec. Delay</i>	30 Sec. Delay	15 Sec. Delay	0 Sec. Delay
4	Horn Honk Output	<i>Arm/Disarm/Warning/Trigger</i>	<i>Warning and Trigger</i>	Trigger Only	
5	Auto Rearm / Active Rearm	<i>OFF</i>	Auto Rearm with Lock	Auto Rearm without Lock	Active Rearm ON
6	Passive Arming	<i>OFF with No Reminder Chirps</i>	Passive Arm with Lock	Passive Arm without Lock	OFF with Reminder Chirps
7	Data Port Protocol	<i>SL Series</i>	OFA Series		
8	Siren Output	<i>Arm/Disarm/Warning/Trigger</i>	<i>Warning and Trigger</i>	Trigger Only	
9	Pink/White Wire Selection	<i>IGN 2</i>	<i>ACC 2</i>	<i>START 2</i>	
10	Channel 1 Output (Green/red wire)	<i>Trunk Pop (Momentary Hold)</i>	30 Second Timer	Latch On/Off	Latch On/Off with Ign Reset
11	Channel 2 Output (Blue/white wire)	<i>2nd Unlock Hold Button 2 Sec.</i>	2nd Unlock Double Press	Momentary hold	30 Second Timer
12	Channel 3 Output (Black/white wire)	<i>Dome Light</i>	*8 Sec. Pulse with Arm* (window roll up)	Momentary hold	30 Second Timer
13	Channel 4 Output (Brown/white wire)	<i>Horn Honk</i>	*8 Sec. Pulse with Arm* (window roll up)	Momentary hold	30 Second Timer
14	Channel 5 Output (Orange/white)	<i>Accessory</i>	OEM Rearm	Latch On/Off with Ign Reset	Momentary hold

	wire)				
15	Channel 6 Output (Blue/black wire)	<i>Ignition Run (Ground when Running)</i>	Latch On/Off	Latch On/Off with Ign Reset	Momentary hold
16	Disarm with Trunk Pop	<i>OFF</i>	ON		
17	30 Sec. Park Lights w/Disarm	<i>ON</i>	OFF		
18	Pink Wire Selection Diesel or Gasoline Engine	<i>*(-) Start Activation*</i>	<i>*15 Sec. Delay Start*</i>	(+) Glow Plug	(-) Glow Plug
19	Maximum Crank Time	<i>0.8 Seconds</i>	(-) 0.1 Seconds	(+) 0.1 Seconds	(+) 0.4 Seconds
20	Door Locks	<i>0.8 Sec. Lock / Unlock</i>	<i>3.5 Sec. Lock / Unlock</i>	Double Unlock	"Wake Up" pulse on Unlock (0.8 sec. +12V to IGN & (-)Run)
21	Remote Start Run Time	<i>20 Minutes</i>	15 Minutes	10 Minutes	5 Minutes
22	Chirps on Remote Start	<i>3 Chirps with Remote Start</i>	OFF	Horn	Siren & Horn
23	<i>Turbo Timer with Remote Start Button Press</i>	<i>OFF</i>	1 Minute	3 Minutes	6 Minutes
24	Idle Down	<i>15 Minutes</i>	30 Minutes	45 Minutes	Infinity Run
25	Lock with Remote Start	Lock with Remote Start Only	OFF - No Lock or Arm with remote start	Lock with Remote Start and Lock / Arm OEM Alarm with Remote Start Abort	Lock / Arm OEM Alarm with Remote Start Abort only
26	Transmission Type	Automatic Transmission	Manual Transmission with Remote and Hand Brake	Manual Transmission with Hand Brake Set	Manual Transmission with Hand Brake Set (Auto shut down with door closed 2 sec)
27	Carjack Protection	<i>OFF</i>	Carjack Protection = ON		
28	Arm & Disarm thru OEM Remote (Data Mode Only)	<i>OFF</i>	Arm & Disarm	Arm / Disarm / Start (3 Pulse Lock = Remote Start)	
29	Unlock before Remote Start (to Disarm Factory Alarm)	<i>OFF</i>	ON		
30	Factory Defaults	Press Button 1 to Reset All Options to Default			

