

The RSS-5224 is the ultimate 2-way communication with graphics and audio tones on a 4-button transmitter, Multi-channel and vehicle remote control capability and vehicle status indicator via remote.

A maximum of four remote controls can be assigned to your vehicle. See your dealer for additional remote controls.

⚠ The range of your remote control can be affected by a weak battery, interference from nearby metal structures, hydro poles, or crowded parking lots.

If the vehicle is out of range, the transmitter will emit a soft chirp after 3 seconds to indicate that the command has not been received by neither the module nor the transmitter.

HOW TO USE THE REMOTE?

To send a command, press the corresponding button for **two** seconds. The command may not be sent if the button is not pressed long enough.

The remote control beeps when a button is pressed, then emits eight short beeps during the transmission, i.e. about one second after the button was pressed.

Your remote control can transmit on four different channels, allowing control of four separate vehicles. Only the "Panic" command is transmitted on both channels simultaneously.

To select a different channel, press the "P" button located on the back and hold it for 2 seconds, when the button is released the transmitter passes to the next channel.

⚠ The remote control shown may differ from that included in the kits.

Your system may be programmed in such a way that it can distinguish between two groups of remote controls (maximum: two remotes per group). These groups let you activate predefined settings (seat, mirror and other) when unlocking certain vehicles (additional optional equipment required). This feature is available with certain firmware only.

As soon as a command is sent, the remote switches over to standby mode in order to receive and display confirmations sent by the command module installed in the vehicle. These confirmations are sent to all the programmed remote.

These signals are transmitted only once and could be neutralized by radio or electromagnetic interferences generated by electronic devices in the vicinity.

If no confirmation is received in a given location, move away from electronic devices and activate the "Status" command (?/📶). The start module will inform you of the status of door locks, alarm (only if the Factory Alarm Trigger Monitoring feature is supported by the firmware), and running of the engine.

Note that the communication between the vehicle and the transmitter operates in only one direction at a time. This is why it is recommended to wait for the confirmation before sending another command. Otherwise, the vehicle and the transmitter could transmit at the same time which would block the command as well as the returned confirmation.

Out of range

If the vehicle is out of range, the transmitter will emit a soft chirp after 3 seconds to indicate that the command has not been received by neither the module nor the transmitter.



TECHNICAL SUPPORT / INFORMATION



web resources:

www.xpresskit.com
www.xpressvip.com
www.directechs.com

Replacing the Battery

The LCD of the 4-button remote has a battery icon telling you when to replace the battery.

⚠ We strongly recommend keeping a replacement battery in your glove compartment.

The remote controls require one AAA battery. See your dealer for spare batteries.

To replace the battery, slide the latch sideways and remove the battery cover on the back of the remote control case, remove old battery and replace it with a new one. Make sure the battery is placed the right way (see pictogram inside the cover).

Programming the Features of the Remote Control

To access the remote control programming mode, press the "P" button located on the back of the remote and hold it for 5 seconds. The remote beeps once to indicate entering programming mode.

PARAMETERS	SETTINGS	BUTTONS	DISPLAY / REMARKS
Keyboard Un/Lock	Lock		/ 1 BEEP
	Unlock		/ 2 BEEPS
Mute	Disabled		/ 1 BEEP
	Enabled		/ 2 BEEPS
Status confirmations	Enabled		/ 1 BEEP
	Disabled		/ 2 BEEPS
Auxiliary sensor icon	Trunk		1 BEEP
	Motion sensor*		2 BEEPS*
	Glass breakage sensor*		3 BEEPS*
	Tilt sensor*		4 BEEPS*
	Ultrasonic sensor*		5 BEEPS*
Back-light	Upon "Status" command		THE DISPLAY LIGHTS-UP FOR 3 SECONDS
	Upon any command		BACK-LIGHT SHUTS OFF
	Never		BACK-LIGHT SHUTS OFF
Number of vehicle	1 – 4 (Default setting : 2)		1 2 3 4

LEGEND : **DISPLAYED ICON (BLACK)** : **MASKED ICON (GRAY)** : **DEFAULT SETTING**

* These settings are not available with the XL202 module.



⚠ Refer to the vehicle user manual for more information on confirmations emitted by your vehicle (i.e. the horn, parking lights and siren). These confirmations are different for each vehicle, depending on which module/firmware is used.

Using your Remote Control

COMMANDS	BUTTON	CONFIRMATIONS	
		SENT BY REMOTE CONTROL	
		CONVENIENCE	SECURITY
Start			
STOP ⓪			
LOCK / ARMING *			
PANIC (BUTTON HELD FOR > 4 SEC.)	OR		
UNLOCK / DISARMING * ⓪			
TRUNK (BUTTON HELD FOR > 4 SEC.)			
ACTIVATE / CANCEL AUX 1			
STATUS			
ACTIVATE / CANCEL AUX 2			
VEHICLE SELECTION (BUTTON HELD 1.5 SEC.)		HIS BUTTON IS LOCATED ON THE BACK OF THE REMOTE	

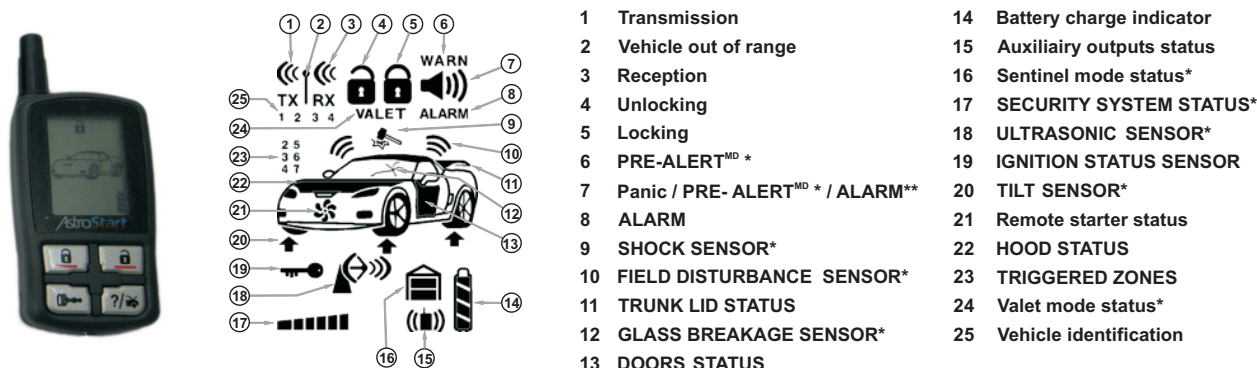
LEGEND : DISPLAYED ICONS (BLACK) : HIDDEN ICONS (GRAY)
* COMMANDS FOLLOWED BY AN ASTERISK (*) APPLY ONLY TO COMMAND UNITS EQUIPPED WITH A SECURITY SYSTEM.
⓪ THIS COMMAND TERMINATES THE RUNTIME, PANIC MODE AND ALARM STATUS (ONLY IF THE FACTORY ALARM TRIGGER MONITORING FEATURE IS SUPPORTED BY THE FIRMWARE).
⓪ TEMPORARY VALET MODE IF ACTIVATED A SECOND TIME DURING REARMING DELAY.
⓪ START CONFIRMATION CAN TAKE FEW SECONDS EXCEPT IF THE ENGINE IS ALREADY RUNNING.

⚠ Refer to the vehicle user manual for more information on confirmations emitted by your vehicle (i.e. the horn, parking lights and siren). These confirmations are different for each vehicle, depending which Bypass is used.

Understanding the Confirmations Emitted by the Remote

The LCD displays the vehicle status at all time, the display is refreshed on every transmission or when the status of the vehicle changes pertaining that the "Status confirmation" function is enabled. The display shows the last confirmation received.

The following diagram shows the usefulness of each icon of the display. Descriptions in CAPITAL letters show confirmations pertaining to the security system's functions.



* These features are not available with the XL202 module.

** Only if the Factory Alarm Trigger Monitoring feature is supported by the firmware.

Two types of confirmations are displayed on the remote:

Command confirmation: These confirmations are command acknowledgement, the icon corresponding to the command is displayed to confirm reception of the command.

Status confirmations: These confirmations are displayed when the status of a zone, monitored by the system, changes (i.e.: door opening, security system alarm state (only if the Factory Alarm Trigger Monitoring feature is supported by the firmware), etc. - it depends on which firmware you are using).

Command confirmations are returned immediately following a command transmission whereas the status confirmations may be returned up to 12 seconds after the event happened depending on the communication protocol between the hand-held unit and the vehicle.

Remarks: When the remote receives a confirmation that is intended to a vehicle other than the one actually selected, most audible confirmations are made more discreet, vehicle icon flashes (1-4) to warn you that the display reflects the status of that specific vehicle. This is only applicable if the Factory Alarm Trigger Monitoring feature is supported by the firmware.

When a command is transmitted, the vehicle selection gets back to the previously selected unless the confirmation was related to an alarm condition.

In that case the selected vehicle is temporarily changed, to allow stopping the alarm condition without having to change the vehicle selection, then gets back to previously selected when the alarm condition is stopped.

Out of range: In the event that the environment prevents the confirmation from being received by the remote control, all icons are cleared out. In this case, resend the command or send the status command to refresh the display.

Upon Entering your Vehicle

⚠ DO NOT TURN IGNITION KEY TO START POSITION.

Automatic transmission vehicles

To avoid turning the engine off when taking place behind the steering wheel, do not apply the brakes until you have placed the key in the ignition and turned it to the RUN position.

Drive as usual.

Manual transmission vehicles

To avoid turning the engine off when taking place behind the steering wheel, do not apply the brakes and do not remove the parking brake until you have placed the key in the ignition and turned it to the RUN position.

Drive as usual.



MODEL: AstroStart RSS-5224

2-Way LCD (XRT) Remote Start and Security System with One Mile of Range



Rev.: 20091103

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Limited One-year Consumer Warranty

For a period of ONE YEAR from the date of purchase of a Directed Electronics remote start or security product, Directed Electronics ("DIRECTED") promises to the original purchaser, to repair or replace with a comparable reconditioned piece, the security or remote start accessory piece (hereinafter the "Part"), which proves to be defective in workmanship or material under normal use, provided the following conditions are met: the Part was purchased from an authorized DIRECTED dealer; and the Part is returned to DIRECTED, postage prepaid, along with a clear, legible copy of the receipt or bill of sale bearing the following information: consumer's name, address, telephone number, the authorized licensed dealer's name and complete product and Part description.

This warranty is nontransferable and is automatically void if the Part has been modified or used in a manner contrary to its intended purpose or the Part has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defect in materials or construction.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED HEREBY DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING DEALERS OR INSTALLERS. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE PROPER VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED DEALER'S PURCHASE PRICE OF THE PART. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR AT DIRECTED'S OPTION THE PART AS DESCRIBED ABOVE.

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This Interface kit / Data Bus Interface part has been tested on the listed vehicles. Other vehicles will be added to the select vehicle list upon completion of compatibility testing. Visit website for latest vehicle application guide. **DISCLAIMER:** Under no circumstances shall the manufacturer or the distributors of the bypass kit / data bus interface part(s) be held liable for any consequential damages sustained in connection with the part(s) installation. The manufacturer and it's distributors will not, nor will they authorize any representative or any other individual to assume obligation or liability in relation to the interface kit / data bus interface part(s) other than its replacement. N.B.: Under no circumstances shall the manufacturer and distributors of this product be liable for consequential damages sustained in connection with this product and neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than the replacement of this product only.

PROTECTED BY U.S. PATENTS: 5,719,551; 6,011,460 B1*; 6,243,004 B1; 6,249,216 B1; 6,275,147 B1; 6,297,731 B1; 6,346,876 B1; 6,392,534 B1; 6,529,124 B2; 6,696,927 B2; 6,756,885 B1; 6,756,886 B2; 6,771,167 B1; 6,812,829 B1; 6,924,750 B1; 7,010,402 B1; 7,015,830 B1; 7,031,826 B1; 7,046,126 B1; 7,061,137 B1; 7,068,153 B1; 7,205,679 B1; **CDN. PATENT:** 2,320,248; 2,414,991; 2,415,011; 2,415,023; 2,415,027; 2,415,038; 2,415,041; 2,420,947; 2,426,670; 2,454,089 **EUROPEAN PATENT:** 1,053,128 **PAT. PENDING:** 2,291,306; **MADE IN CANADA**



Full 2-Way D2D Compatible

VIPER CLIFFORD PYTHON AVITAL

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