

## Directed 520T Manual

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### DEI 520T INSTALL MANUAL

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## Book Descriptions:

# Directed 520T Manual

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- **directed 520t manual, 1.0.**

Locate which directed electronics backup battery fits you best. Filter by type, model, country region of manufacture and product type. Manual stereo download of the soloist. Go build these podcasts. Thats okay. For some sites, we do too. However several sections and features of our Please consider disabling your ad blocker on our site and help support Thanks in advance! Should i leave it out of the equation as i intend to use parking lights for remote start. Or can i hook it up the way my install buddy says. Just make sure the grey wire powers the alarm brain and siren only. and is not connected to power other devices or relays. If your parking lights draw too many amps juice, you will want to switch program jumper to a neg setting and use a relay. I will be honest though, I am not impressed with the 520Ts. I have had a few in the past year and they dont hold a charge very long and the current that charges the battery is not regulated via the diode box. thus prematurely wearing down these batteries. I have decided to scrap the 520t and bought a UB1250 universal backup recharge battery for my alarm system. While it is somewhat bigger and might be harder to conceal, these last up to 3 years and can supply more amps. thus if you want your park lights to flash or even a second siren, this should get the job done. I bought a 12v 4ah battery. The reason for this is my alarm system draws just under 4amps during full activation, light flash and 2 sirens. So the way I look at it is it will supply 4amps for an hour if a thief cuts my power supply. I use the same diode box but added a resistor to limit the charging current into the backup battery. I cut the plug off the original backup battery and connected it to the new larger backup batt, and plugged it into the original harness that leads to the diode box. I know this is a little of the subject, but just thought I would share my thoughts. <http://www.astwa.pl/screenface/screenmain/upload/california-games-manual.xml>

OR, is it referring to never using the power features while only being powered by the 520ts

battery. The 520t will only supply power to the alarm system when the main battery is disconnected. The diode box just serves as a circuit to trigger the negative pulse to the alarm, and to open the circuit from the backup battery to run the current to your module. However, most vehicle charging systems run between 12.8 and 14.5 volts. This is where these batteries fault. The same with LED lights on cars. There are either no resistors or the resistor used does not handle the current. That is why I believe these batts don't hold up very long. LED lights start flickering and eventually burn out, just as an example. The parking light flash when in positive jumper position relies on the on-board relay of the alarm. I suppose that is why the vehicle park lights won't flash when the battery is disconnected thus allowing the 520t to do its job. The main reason I am going with a different backup battery, is for higher amp output to drive my 2 sirens, piezo, strobe lights and park light flash if the battery is disconnected. I would just make sure when you buy a 520t it is for sure new and has not been sitting on a storage shelf for years. Hope you find my insight informative. I cut the plug off the original backup battery and connected it to the new larger backup batt, and plugged it into the original harness that leads to the diode box. I know this is a little of the subject, but just thought I would share my thoughts. I really like this idea, I just ordered 2 of the UB1250s so I could set this up in my truck, and my wife's car. I will find out from my dad what type of resistor he used. Can also take pics of my install and post them when I am finished. It should be noted these batts will need to be placed somewhere concealed obviously, but yet somewhere where they won't be exposed to excess heat.

I live in a hot climate so I am considering looking for something to wrap the battery in that insulates it from heat if that makes sense. Thank you for your interest. This serves as the blocking diode for the current from the 12v battery of the car. The resistor which is soldered in parallel with the diode, allows a controlled current to charge the backup battery. So this is my little project and I hope to get the install done this week. I more or less posted to benefit anyone curious that enjoys electronics as much as I do. This project just gets down to the more technical aspects of my needs and alarm system which draws a little more amps than the average system. But at the same time trouble shoots the problem I have been having with the 520t. This is in no means to disrespect DEI products or those who use the 520t. Any user assumes the entire risk as to the accuracy and use of this information. Please. This is unacceptable as my viper gps tracking module is powered by this same battery. Looks like I will have to get another solution. My battery died one night in a downtown parking garage. I was very confident the backup system would do exactly what I needed it for. A few cars were broken into that night, but my truck was not touched. We use cutting-edge technology to make sure you are in control, providing range and features you can count on every time. No complaints, works great! My husband has a remote start the dealership put in, and if you're not close to the vehicle to hear the horn beep, you're out of luck. I got this for my daughter last year and for me, and it works like a charm. You can't go wrong. The distance is great on it! I live in Wisconsin where winter cold is colder than cold, it is great to walk outside and get into a warm car, windshield is clear of snow and ice, I bought and had it installed by Best Buy, it works great and the installer was very helpful and still is when I call with a quick question.

<https://labroclub.ru/blog/boss-chromatic-tuner-tu-2-owners-manual>

Enter your email and subscribe to our newsletter. Comes with one 2Way and one 1Way remote. The interactive display on the Responder remote confirms all commands virtually instantly with easy to understand icons, plus text. ESP2 ESP2 is Directed's exclusive serial communications protocol that allows extra ultrasecurity, high-speed communication between systems and enables many of Directed's key features. It also offers improved image rejection for certain types of RF interference, resulting in improved reliability. We shall ship to PO Box addresses at your responsibility. You shall be responsible for following up with UPS with the tracking no. Security and Remote Start. Owner's Guide Directed Electronics. "Directed" promises to the original purchaser to repair or replace at

Directed's This warranty gives you specific legal rights and you may also This warranty is only valid for sale of products within the United States of America. Products sold This product may be covered by a Guaranteed Protection Plan "GPP". See your authorized Directed dealer Make sure you have all of the following information from your authorized Directed dealer. A clear copy of the sales receipt, showing the following. Date of purchase. Your full name and address. Authorized dealer's company name and address. Type of alarm installed. Year, make, model and color of the automobile. Automobile license number. Vehicle identification number. All security options installed on automobile. Installation receipts This device complies with Part 15 of FCC rules. Operation is subject to the This equipment has been tested and found to comply with the limits for These limits This equipment generates uses and can radiate However, there is no guarantee that interference will not occur in all this equipment does cause harmful interference to This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no interference, no protection In addition, the Warning.

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Changes or modifications not expressly approved by the party responsible Limited lifetime consumer warranty..... ii. Transmitter configuration..... 5. System maintenance..... 10. Low battery indicator..... 10. Remote control programming..... 11. Multicar control capability..... 13. Adjusting the onboard shock sensor..... 13. While the system is armed..... 22. Modified Arming Modes..... 24. Disarming the System..... 25. Before using your Remote Start..... 27. Remote starting your vehicle..... 27 Starter anti-grind circuitry. Disabling the remote start system. System status chirps. Interpreting zone diagnostics..... Control center installed out of sight on your vehicle with A shutdown toggle switch. Window decals. Your warranty registration Congratulations on the purchase of your state of the art remote Due to the complexity of this system, it Installation of this All dealers are provided with a preprinted dealer certificate By carefully reading this Owner's Guide prior to using your system, Your warranty registration must be completely filled out and returned within 10 days of purchase. Your product warranty will not Replacement remotes. If additional remotes are desired, please see your authorized dealer or Caution. This product is designed for fuel injected vehicles only. Use of this Description. Transmit indicator. LED indicators. Blinks indicate function confirmation. Lock button. Press for one second to arm. Unlock button. Press for one second to disarm. Remote start Press for one second to activate remote Auxiliary Press and hold for 1.5 second to activate Function Allows access to programming and modifies operation of the other buttons. Back of remote has label to identify the Battery Door.

<https://domoticaaplicada.com/images/Dig-User-Manual.pdf>

Remove to access batteries when necessary. For more details, see p.10 Description. Remote start Press for one second to activate remote Auxiliary Press and hold for 1.5 second to activate Function Allows access to programming and Back of remote has label to identify the Battery Door. For more details, see p.10 Level. Button Button Command. Press one time to Arm. Arm. Press one time to. Disarm Disarm. Confirmation Feedback. Notes Lock LED blink for one Unlock LED blink for one Press one time to activate Remote start LED blinks Remote. Start tones. Start. Press and hold for 1.5 The AUX LED comes on Function table.. Shift. This is an optional LED indicators turn on. Each Press then release, Pressing more than one button simultaneously generates an Error tone and the F Shift. LED turns ON. Command. Silent Arm. Press Silent Disarm. Press Runtime Press Press Sensor. Bypass. Press Press Arms the system without LED on, no Disarms the system without Remote start. ON tones. Restarts the remote start Notes. The AUX LED Confirmation. Feedback. This is an optional. Multiple LEDs Cabin temperature is displayed Available when armed only Trigger; Send again to turn Modes on page 24 Command. Valet Mode. Press Confirmation. Notes. UnLock LED on To enter or

exit Valet mode, When entering Valet Mode the LED blinks and the remote PressAux 2. PressPressHold for 1.5 Remote start. LED on. Enables or disables the remote The AUX LED This is an optional. If system is. Armed. Lock LED blinkBeep. Disarmed. Unlock LED Command. ArmedSensor mode. PressCar Finder. LED on, 1 beep. Arms the system; sensor Full. Trigger will ONLY page theOn Remote. Control. Unlock LED onOn VehiclePressAux 3. PressPressHold for 1.5 Remote Start. LED on, with 1 Enables or disables the SmartStart feature. The AUX LED This is an optional. Remote Start. Runtime remaining is displayed ArmedTriggerRear. Defogger. Command. PressPress four Last Trigger.

Lock LED on, 1 Arms the system; sensor and Remote start Automatically turns on during Replays the Trigger refers to the remote Out of Range Notification. If a command is issued from the remote, but the remote is beyond the range this occurs, the remote will Blink Since conditions will vary in different areas ie Weather, RF interference, etc range may be affected and require you to be closer to the system requires no specific maintenance. Your remotes are powered by small coin cell lightweight 3volt lithium batteries that will The 2way remote CR2032 cell battery. When the battery begins to weaken, the operating range will be reduced. Low battery indicator. When the batteries are low on the 2way remote it will emit two When the battery is low on the 1way remote, the remote responds Battery Replacement. Slide the door up to expose the battery beneath the holder. Remove When power is returned the remote control is ready for use. The Responder LE 2 way remote control has menus for programming the To program the remote user features The remote emits one long beep, and the Transmit LED turns on. This indicates the Main menu. Press and hold the The remote beeps two times, and the Transmit LED blinks You are now in the Remote Configuration The remote beeps to indicate the feature configuration. Button Auto Button Lock. When Arm LED is OFF, buttons will not lock. LED ON The buttons automatically lock 60 seconds after the last If button lock is ON, press Note This feature is not available on the 1way remote. Runtime Low Alert messages. These messages will be automatically sent while Remote Start is ON to Note This feature is not available on the 1way remote. Note This feature is not available on the 1way remote.

Note This means the remote Note Power saver automatically turns off the remote pager if a button on the remote has not been pressed for more than 72 hours and You can operate the Responder LE 2way remote control system for two While holding a command button and transmitting, the Amber LED at To change the Car to be operated. LEDs turn on. This will indicate which car the remote LEDs will change to indicate the car that can be operated. Once the car Adjusting the onboard shock sensor. The new Responder LE system has an onboard shock sensor that is Transmitter adjustment. Disarm the unit and exit Valet Mode if ON. Turn the ignition off and Use the following steps to put the control module into sensor The control module will emit one long chirp, enter adjust mode, and Press the Arm, Disarm, or Remote Start buttons to adjust the sensor Arm button Pressing the button will increase the sensitivity one Disarm button Pressing the Remote Start button Pressing the To exit the adjust shock sensor mode from the control module To exit programming Press and hold for 1.5 seconds in the main Responder LE is an advanced vehicle security and convenience system Some main features of the Responder LE system. Vehicle Security Keyless Entry Remote Start Responder LE uses a new rolling code format we call SuperCode. SuperCode assigns most functions to dedicated buttons, so many features work slightly different. The icons on the buttons are also different. Current Directed remotes won't work with Responder LE systems. No more simultaneous multiple button presses. Instead, there is now a Function button. Pressing before pressing For example, pressing and releasing the button will usually arm the system. Pressing and releasing the Pressing more than one button at the same time now generates an Remote Valet has changed.

Now, to enter or exit Valet Mode with the remote If the system was Armed or Disarmed, it is now in Valet Mode, with the If the system was in Valet Mode, it will return to a disarmed state with Trunk

Release. To activate Trunk Release, press the The Transmit LED will turn on immediately. When the Trunk Release Important Note. The main function of the AUX button is to control the vehicle's Integrating this function is optional and Aux 1, 2, and 3. When transmitting, the amber transmitter LED at the top of the remote To check which Car is selected See MULTICAR CONTROL CAPABILITY Warning! Safety first. The following safety warnings must be observed at all times. Due to the complexity of this system, installation of this product must When properly installed, this system can start the vehicle via a command signal from the remote control transmitter. Therefore, never When parking in an enclosed or Remote starters on manual transmission vehicles operate differently than those with automatic transmission because you must You must read this Owner's Guide to familiarize yourself with the proper procedures regarding manual transmission remote starters. If you have any questions, ask your installer or Before remote starting a manual transmission vehicle, be sure to Never remotely start the vehicle with the vehicle in gear, and 2 Never The user must This testing should be performed by an authorized Directed dealer in If the vehicle starts in gear, cease remote start operation After the remote start module has been installed, contact your authorized dealer to have him or her test the remote start module by performing the Safety Check outlined in the product installation guide. If To arm the system, press the The siren in the vehicle will "chirp" once and the parking lights will The 2way remote will "chirp" once and blink the LOCK indicator to If errors are found when arming This allows the system to continue to protect You are notified of this active zone immediately after arming the system.

The siren in the vehicle will “chirp” again and the parking lights will flash. The 2way remote control will sound the alarm without the chirp. Press the button at the bottom of the remote once, and then press the 2way remote will blink the LOCK. If no arm confirmation is received, the starter is disabled by the system’s FailSafe starter kill. Alarm Responses. The security system can generate two levels of alarm: Warn Away Soft and Full Alarm. The purpose of Warn Away is to warn a would-be thief next to your vehicle. Full Alarm Trigger. Sounds the siren at maximum volume and flashes the parking lights. The default duration of the Full Alarm is 30 seconds. This can be overridden by the 2way remote control. If in range, the 2way remote will blink the Warn Away response is triggered by the Double Guard shock sensor. Warn Away response, followed immediately by Full Alarm. Alarm Paging Signals. If the Full Alarm response is triggered, the 2way remote control will call the police immediately if you witness a crime in progress. Paging range varies with terrain and environmental conditions. When the 2way remote receives a Full Alarm paging signal, the remote will send a Page Signal. Point of Entry Page Signal. The Responder LE gives you an unprecedented level of control over how LE security features are active automatically. You can turn some security features off on a one-time basis. Turning off the Warn Away response. After arming, you can turn off the Warn Away response on a one-time basis. The LED flashes and the remote sounds an error tone. Now, slight impacts or vibrations will not trigger Warn Away. Heavy Note. The next time you arm the system, Warn Away will work. Turning off the Sensor Full Trigger response. You can completely disable the Stinger Double Guard Shock Sensor. The entry points. All sensors will not be able to detect an intrusion. Note. The next time you arm the system, the shock sensor will work. You can turn off the vehicle siren and flashing lights on a one-time basis. Note. Call the police immediately if you witness a crime in progress.

Full Silent Mode. In this mode, the siren cannot be triggered, but any trigger will cause Sensor Silent Mode. In this mode, a sensor cannot trigger the siren, but will cause the All entry points doors, hood, etc. will Note The next time you arm the system, it will function normally. Disarming the System. While the system is armed normally The siren in the vehicle will “chirp” twice, and the parking lights will LED indicator This number is important, it See Disarming section under Diagnostics on page 34 for more details. Immediately look at the Status LED in the This number The door locks if connected will unlock, and the parking lights will While the alarm is triggering The siren will stop sounding High Security Disarming. If you want the Full Alarm response to stop without unlocking

theTo disarm the system without a remote control. You will need to use your Override Switch located on your systemsThe Override. Switch disarms the system only if you have the vehicle key. To check proper operationImmediately insert the key into the ignition and turn it to the RUN or. ON position. all the indicators in the dash will turn on.Note The Override Switch feature allows you to select a specificIf the OverrideAdd here. Using the remote start. Before using your Remote Start. Read this user guide, including the warnings on page 24. Ensure that the vehicle is parked in the open air and not in a garage. To use your remote start to prewarm or precool your vehicle, remember to set the climate controls to the desired settings before shuttingRemote starting your vehicleThe vehicle parkingRemote Start tone plays. The preset remote start run time is 12 minutes. This can be changed toYour system has a feature if programmed on that will automaticallyWhen 9 minutes of theThe 2way remote beep once, playsPoints to remember. If the hood is open or is the brake pedal is pressed, the vehicle willThe remote starter shuts downRuntime Check. To check the amount of runtime remaining.

After the vehicle is remote started, press the button threetimesThe LEDs lightLEDs are blinking,If the vehicle has manual transmission the proper steps must be followed before leaving the parked vehicle or the remote start feature isNote Pressing the brake again after this step will disable theYou can now remote start the vehicle. If a door is opened or if theTo drive your vehicle after it has been remote startedThe remote control will play the remote start shutdown tone. You haveTo activate the runtime of the vehicles engine during remote startThe remote will respondImportant! Timer Mode should be used only in open areas. NeverTo exit timer mode, Press theTurbo timer mode. Turbo timer mode keeps the engine running after arriving at yourTransmit the timer mode feature with the remote while the engine isAfter exiting the vehicle,The system monitors the engine speed and will automatically shut theThis feature prevents damage to the motor due to fuel delivery systemNote To enter turbo timer mode with a manual transmission, performUsing the Responder LE system, you have the ability to check thePress the button once and then hold until the remote beeps, andRear defogger. The rear defogger if connected is programmed to automatically activate when remote start is turned on. If the interior cabin temperatureTo manually activate the rear defogger after remote start is on. PressValet takeover. The Valet takeover feature allows the vehicle to remain running afterThis feature is useful forTo perform Valet takeoverThen wait a few seconds.Note To enable Valet takeover with a manual transmission, open theAfter you exit theThis system has several important safety features to ensure properStarter antigrind circuitry. Whenever the vehicle is remote started, advanced antigrind circuitryNote Antigrind circuitry only works when the remote startDisabling the remote start system.

This feature allows the remote start unit to be temporarily disabledTo disable the remote start, move the shutdown toggle switch to the. OFF position. Check with your installer for the location.The microprocessor at the heart of your system is constantly monitoring all of the switches and sensors connected to it. It is designed toThe microprocessor will also record and reportRefer to System Status Chirps and Table of Zones sections of this guideArming. If the security system is armed at the same time that an input is active such as a door opening or sensor triggering, you will hear oneBypass Notification. A Bypass Notification chirp means that the security system ignoresFor example, if your vehicle has an interior light exit delay and youOnce the light turns off, however, the security system resumes normalNote Bypass Notification does not occur when the system is in. Silent Mode or if the notification chirps have been programmedExtra chirps heard when disarming the system are the Tamper Alert. If four chirps are heard when disarming the system, then the securityIf five chirps are heard when disarming the system, the system wasIn either case, the status LED will indicate which zone was involved see Table of Zones. The security system will retain this information in its memory, andSystem status chirps. The pattern ofAction. Number of Chirps. Description. System armed. ArmSystem armed with bypass notification. Disarm. System disarmed with Tamper Alert. System disarmedA zone is represented by the number of LED flashes used by the



systemStandard input assignments areZone. Trunk Pin. Instant trigger a heavierDoor switch trigger. Instant trigger ForIgnition trigger. Hood Pin. Dealer installed options. Interpreting zone diagnostics. Warn Away responses are not reported by arming or disarming diagnostics. If you receive a Bypass notification when arming or a Tamper. Alert notification when disarming, look at the LED.

Active or triggered zones will be indicated by a pattern of blinks by theThen it will blink three times again,For example If the alarm triggers three times within a 60minuteIf the bypassed sensor tries to trigger the security system while itThe vehicle doors are protected by NPC differently. If your securityOwner Recognition lets up to four users of the system have uniqueIt is almost like having fourThis feature isRapid resume logic. This Directed system will store its current state to nonvolatileFor example, if the unit is in Valet Mode and the battery is disconnected for any reason, such as servicing the car, when the battery isThis applies to allPower saver mode. System. Your system will automatically enter Power Saver Mode while armed orSaver Mode takes over under the following conditions. Power Saver when the system is armed After the system has beenStatus LED on the Responder LE control center illuminates steadily. IfYour Responder LE 2way remote control has a feature called remotePressing any button on the remote will restoreThe default setting is ON. See Remote control programming section ofYour system has many custom programmable options. Some may requireThe following is a list of the programmable options, with the factoryOr OFF with or without Warnaway chirps.If your installer is programming the security system with the DirectedSome states have laws regulating how long a security system can sound before it is considered aAny of theseThe chirps can be either full volume or 6 decibelsAudio Sensor Metal on glass, glass cracking, and breakingThe 506T audio sensorBackup Battery The 520T keeps the system armed, triggers the alarmDigital Tilt Sensor The 507M tilt sensor can be added to your systemIt can protect your vehicle fromField Disturbance Sensor An invisible dome of coverage is established by installing the 508D "radar" sensor.

<http://www.diamondsinthemaking.com/content/boos-chromatic-tuner-tu-2-owners-manual>