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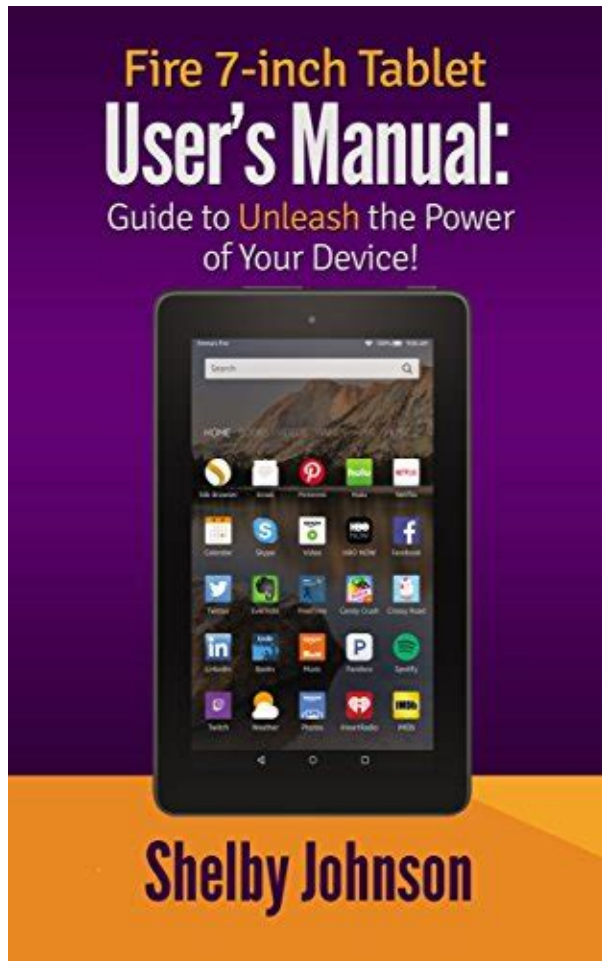
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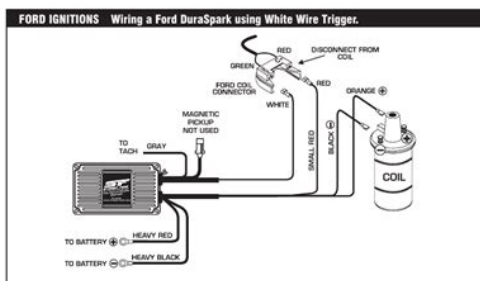
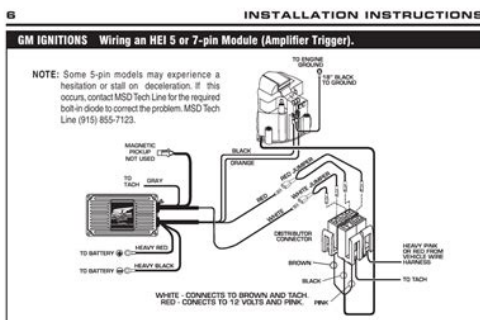
Dark Fire Owner S Manual



Dark Fire is a self tuning instrument that can employ up to 18 different tuning presets, but there are many finer points of its functions that you will want to explore, particularly its Chameleon Technology, which is your gateway to an array of sounds never before possible in a single instrument. We will detail all of Dark Fire's many functions on this site and update this material as software and hardware upgrades are made available in the coming months. The Master Control Knob At the heart of Dark Fire's operating system is the Master Control Knob MCK. It is a highly sophisticated push pull knob with an illuminated display. The display is interactive and will communicate with you as you utilize Dark Fire's many functions. You will notice that the MCK has a variable color light pipe Display Matrix in its center, with LED symbols positioned around its perimeter. It also has a guitar symbol which indicates the status of the Piezo blend, and a pickup symbol which indicates the status of Dark Fire's magnetic pickups. In its normal position, the MCK behaves as a regular control knob. When pulled out, the MCK becomes activated, and its many functions can be accessed and in some cases, modified. When the MCK is pulled out, selecting the LED symbols navigates through various functions. When using the MCK to execute any command, sometimes short, momentary presses are required, and at other times a longer, sustained press is required. I also recommend that every time a feature's instructions cross reference another feature, that the cross referenced feature name also be a hyperlink to that feature's main heading. The Display Matrix will alternate between the letter S indicating Standard Tuning and the first letter of the Chameleon setup which is currently in use. G Classic Gibson is the default tuning setup. There is no need to select an LED symbol in this function; simply pulling out the MCK begins

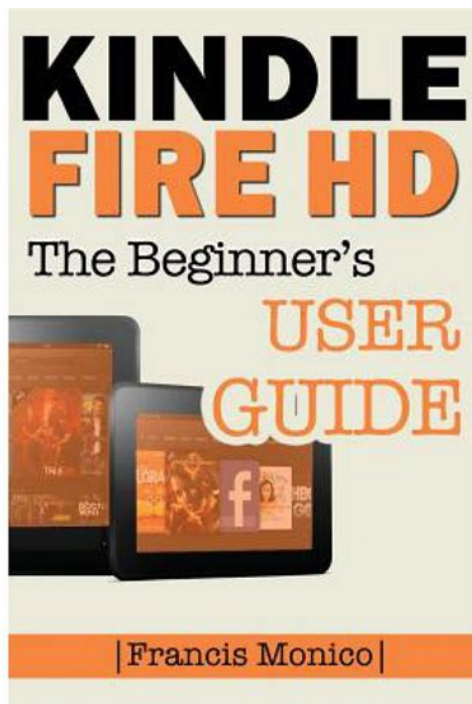
Instantly Activated Tuning in A440Hz Standard Tuning. Now strum all 6 strings. <http://ankamet.com/userfiles/6es7158-0aa01-0xa0-manual.xml>

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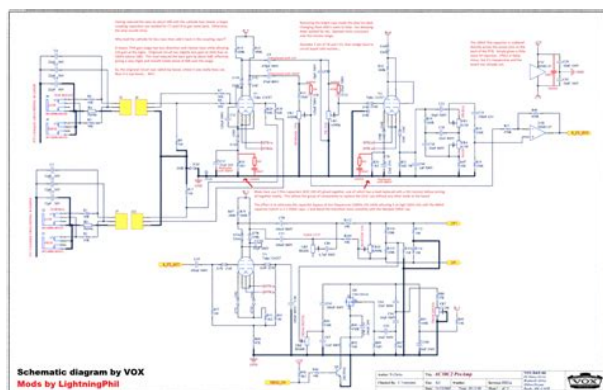
The Powerheads will turn robotically and the String LEDs the MCK will shine various colors. It should ly take e or two strums, and there is no need to strum hard. When you are in tune, all LEDs will turn off except for the LED positi you are in. The LED of the positi you are in will shine solid blue. Push the MCK back in and you are ready to play. Note You can also change your desired Instantly Activated Tuning, and even your Calibrati as described in the Setup Mode secti. You can also change your choice of Instantly Activated Tuning in Chamele Te. String LEDs Display Actis During Tuning Operatis During Instantly Activated Tuning, and all other tuning operatis, the String LEDs will change colors and flash as the Powerheads tune. Here is a table of what the LED colors you see signify String not in tune solid red Measuring frequency red flashing Powerheads turning yellow flashing Preset in tune solid color LED for that preset positi String Frequency at Extreme Range solid purple Individual String in Tune green All strings in tune String LEDs turn off, with solid color preset positi remaining. Unlike cventional tuning keys, they all turn in the same directi. The Powerhead tuner posts have locking nuts to secure the end of each string during tuning operatis. Each Powerhead has a powerfully geared mechanical transmissi inside it. Never use a motorized key winder or manual key winder tool your Powerhead tuning keys, because applying these mechanical devices could cause damage to the Powerhead s internal parts. Peg winder tools are not needed. There are 3 Primary Functis intended to help you change strings String Up Mode, Single String Up Mode, and String Down Mode. These functis are the ly practical means of changing strings, because each key turns extremely slowly when turned by hand. Bank Selecti and Factory Default Altered Tuning Presets Dark Fire s features are accessed through 3 banks of Primary Functis. <http://cq2sc.com/userfiles/6es7195-7hd10-0xa0-manual.xml>



There is a Blue Bank, a Green Bank, and a Red Bank, and the LED symbol positions vary in purpose in each different Bank. The Blue Bank is the default Bank when the MCK is pulled out, and any Blue Bank function can be selected by dialing directly to that function's corresponding LED symbol. Each of the Banks contains six Factory Default Altered Tuning Presets, which are detailed later in this section. These Tuning Presets can be modified as you desire. In each Bank, Factory Default Altered Tuning Presets are found at LED positions E, A, D, G, B, and e. These LEDs are also called the String LEDs. Here is how to activate the Factory Default Altered Tuning Preset you want to use. Pull out the MCK and you will be in the Blue Bank by default. If you are selecting a Factory Default Altered Tuning Preset from the Blue Bank, simply turn to the Blue Bank's correct String LED and press the display momentarily. Strum the strings, and the Powerheads will tune Dark Fire to the pitches required for that altered tuning. You will see the String LEDs display act as the tuning process occurs. When the tuning process is complete, the String LED you selected will shine solid blue and the other String LEDs will turn off. Push the MCK back in. You are ready to play in the Altered Tuning Preset you chose. Bank Select. If the Tuning Preset you want to use is in a Bank other than the Blue Bank, you will need to perform Bank Select. Pull out the MCK and turn it all the way counter clockwise. Press the display momentarily, a few times in succession. Notice how the Display Matrix dot alternates between blue, green, red and back to blue you are switching between the 3 Primary Function Banks. Stop the color of the Bank you want to pick a preset from. Now turn the MCK to the LED that coincides with the Tuning Preset you want. Press the display momentarily once more, and gently strum your strings. Dark Fire will quickly tune itself to the Factory Default Altered Tuning Preset you chose.

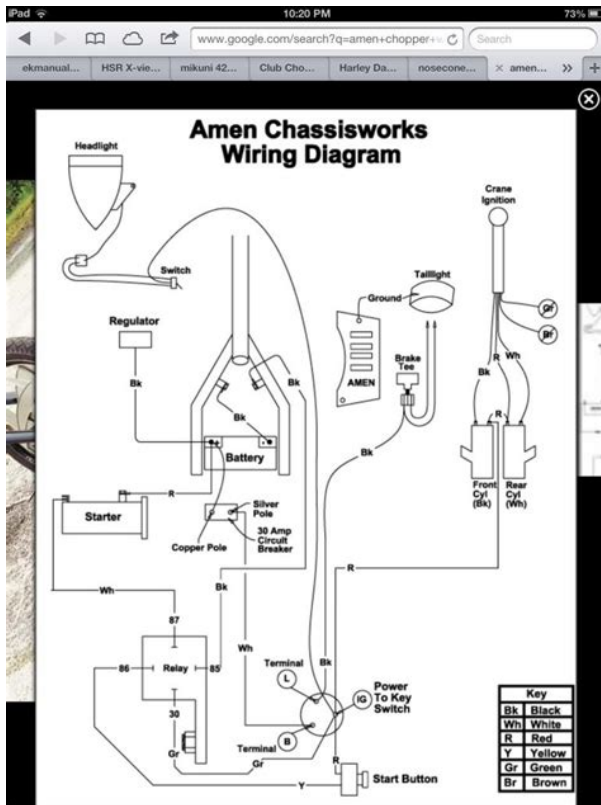
Again, your in-tune confirmation signal is when all the String LEDs go dark except for the String LED you selected it will shine in the color of the Bank you are in. Push the MCK back in, and you are ready to play in your chosen tuning. B E Flat Major Eb Bb Eb G Bb eb 12. E E Flat Eb Ab Db Gb Bb eb 14. If you do change to heavy gauge strings this way, do NOT use the Green and Blue Bank presets as you may risk damage to Dark Fire. You can store your own Custom Altered Tuning Presets in any position 1 through 18. For information on how to do this, see the section Custom Altered Tunings. More Bank Select. Selecting Banks and LED Positions can do more than just recall Dark Fire's 18 Tuning Presets. The following chart will show you the Primary Functions accessible in the 3 Banks, and all of these functions will be explained in this manual. Notice how in some cases a short, momentary press of the MCK will have a different result than a longer, sustained press. The Blue Bank is active by default when you pull out the MCK and all its Primary Functions can be selected without having to perform Bank Select. To

select a different Bank, pull the MCK out and turn it all the way. Now short, momentary presses will scroll you through the different banks and you will see the Display Matrix dot change color from blue, to green, to red, and back to blue again. When a Bank has been selected the Display Matrix dot will shine in the selected Bank's color, and you are able to choose your desired function in that Bank by dialing the MCK to the proper LED position as indicated in the Dark Fire Primary Functions Table. Again, notice in the Primary Functions table how in some cases a short, momentary press is required to activate a function, and in other cases, a longer, sustained press about 2 seconds is necessary. Dark Fire's factory default fundamental reference frequency is A440Hz. However, Dark Fire does not have to be calibrated to 440Hz. You can change your calibration in Setup Mode, under Function 10.

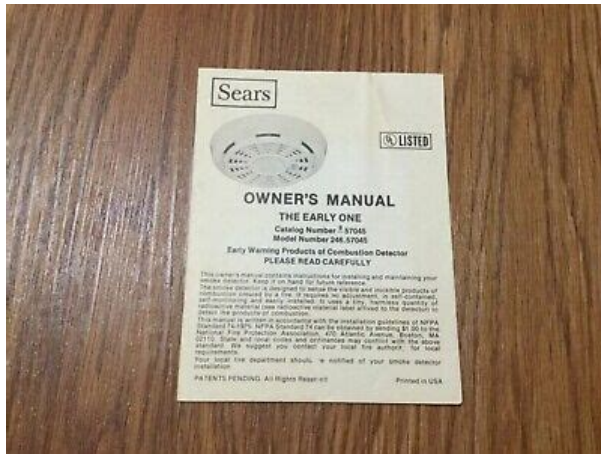


<http://schlammatlas.de/en/node/23603>

Custom Altered Tuning To create your own Custom Altered Tuning, tune Dark Fire manually to the pitches you want. Remember all Powerheads turn in the same direction! Then pull out the MCK. You will be in the Blue Bank by default. Turn the MCK to the Peg LED. Press in the display and hold it until the Peg LED shines cyan. Symbols E, A, D, G, B and e will shine red. Now, strum each string individually, e by e d t strum too hard! and when each string's frequency has been measured and registered its LED will turn green. When all string LEDs have turned green To store your Custom Altered Tuning as a Tuning Preset, select a String LED position in any Bank. Press the display momentarily and the String LEDs will flash red 4 times, indicating your Custom Altered Tuning is now stored in that position. This will overwrite the Factory Default Tuning Preset for that position, but you can restore all your Factory Default Presets in Setup Mode. **Reference Tuning Standard Tuning to a Selected Reference Pitch** You may find the situation when you want to tune to a reference pitch, perhaps when playing along with a piano, or during a recording that is not using A440Hz as its fundamental tuning frequency reference. Here's how this can be done Select a string and manually tune it to the desired reference pitch. The Matrix Display dot will also shine blue, because you are in the Blue Bank. Press the MCK momentarily and the Matrix Display dot will shine green. Now you are in the Green Bank. At this point, turn the MCK to the Peg position. Press in the display and hold it until the LED symbols E, A, D, G, B and e shine red. The Peg LED will be shining magenta at this point. Now strum the string which will serve as the basis for your Reference Tuning until its LED turns green. When that string's LED has turned green, this is your confirmation that your reference frequency has been measured and registered. Strum all strings at this point, and the remaining LED symbols will behave as during a normal tuning operation.



Dark Fire will tune to Standard Tuning EADGB_e with respect to your new reference pitch. When tuning is complete, the string LEDs will turn off. You can store your Reference Tuning in the same manner as a Custom Altered Tuning in any Bank's String LED position. You must execute the entire procedure described in the Custom Altered Tuning section. Push the MCK back in, and perform the Custom Altered Tuning function in full, including the procedure for storing the tuning in a preset position. Note: An alternative to having a different frequency other than A440Hz as your fundamental reference is to change your Calibrati in Setup Mode. Piezo Blend Dark Fire's toggle switch pickup selector also acts as a volume knob to blend in the piezoelectric signal from the tune control bridge. To activate the Piezo signal output, pull the MCK out and turn it to the C LED in any bank and press momentarily. Then, turn the MCK to it to Letter I LED and press the display momentarily. When a stereo cable is connected, the Piezo signal routes independently to the sleeve of the plug, and the Dark Fire's magnetic pickups are routed to the tip of the plug. Thus the Piezo sound is heard in one of the stereo outputs and the electromagnetic pickups can be heard in the other Channel. When not using your Dark Fire guitar for any period of time, make sure the Piezo Blend is off. The Piezo blend will drain Dark Fire's rechargeable battery pack in hours if the Piezo blend is left when not in use. Follow the instructions for System Shutdown before putting your guitar away. General Guidelines for Installing Strings: Guide each string through your tailpiece, over the center of each saddle where contact is essential, and through the nut slot, and then straight through the post hole. Pull a slight amount of tension on the string, and tighten down the locking nut in the post hole.



Cut the extra length off each string close to the post so that they will not make contact with other strings, as that would cause the system to function improperly. Also, do not use any strings which have frayed wraps at the ball end, because that could short circuit the Data Transmitting Tailpiece. It will not damage the Tailpiece, but Dark Fire will not function if any part of the string touches beyond its insulated holder. String Up Mode When putting a new set of strings, Dark Fire can automatically string itself up by using the String Up Mode function. This is the most practical way of stringing Dark Fire, as the Powerheads can only be turned very slowly by hand. The use of manual or mechanically powered string winder tools is not advised, because turning the Powerhead keys too quickly can cause damage to the Powerheads. The Matrix Display dot will also shine blue, because you are in the blue bank. Press the MCK momentarily and the dot will shine green. At this point, turn the MCK to the revolving arrow position. Now press the display and hold it in until the String LEDs all shine red. Begin by gently tapping the strings against their Piezo saddles, and their corresponding Powerheads will start to turn and place tension on the strings. Once there is enough tension on the strings for them to deliver pitch, gently strum all strings. Pause briefly between strums to allow the heads to turn. The Piezo saddles will now be detecting string frequencies and the Powerheads will wind themselves until each string is wound to A440Hz pitch as you continue strumming. During this time, the string LEDs will be changing colors red until each string reaches its pitch, which will be indicated by that string's LED turning green. After all Powerheads have stopped turning, all the string LEDs will stop shining, indicating your strings are tensioned to Standard A440Hz tuning. Attach the string or strings that you are installing in the manner previously described General Guidelines for Installing Strings.

Pull out the MCK and the Display Matrix will shine blue, because you are in the Blue Bank. Now turn the MCK to the Revolving Arrow and press it down until a green cross symbol shows in the center of the Display Matrix. Release the display and the Revolving Arrow LED will shine blue and all the string LEDs will shine green. Now turn the MCK to the String LED that corresponds to the string you are working with. The String LED you select will shine red. Press the display momentarily, a few times in succession, and the corresponding Powerhead will start to turn and place tension on that string. Once there is enough tension on the string for it to deliver a pitch, push the MCK back in. Unlike String Up Mode, Single String Up Mode does not target any pitch, so be careful not to press the MCK too many times, or the string could snap from over-tightening. Note Single String Up Mode can be performed for more than 1 string during the same operation. Notes Regarding String Up Mode and Single String Up Mode You may want to break your strings in by tugging gently on them and also performing multiple tunings until they have stabilized, for the same reason you would when changing strings on a conventional guitar. Also, if you have changed your Calibration in Setup Mode, the target pitches for String Up Mode will be referenced to the setting you selected in those functions. String Down Mode If you are changing out your entire set of strings, String Down Mode will cause all Powerheads to detune all strings at the same time so that you can remove them all. Press the MCK momentarily 2 times, and the Matrix Display dot will shine red. Now you are in the Red Bank. At this point, turn the MCK to

the Revolving Arrow position. Now press the display and hold it in until the String LEDs start to flash and the Powerheads start to unwind. All 6 Powerheads will unwind their strings. When the Powerheads stop turning, release the locking nuts the tuner posts and you can easily remove all strings.

<http://www.dnevi-sekretarjev.eu/wp-content/plugins/formcraft/file-upload/server/content/files/1628b6ede29d4e---canon-printer-5320-manual.pdf>

Intati Mode Dark Fire has a built in Intati Mode so that you are able to intate your instrument or check its intati with ly the additional requirement of a small screwdriver to adjust the saddle screws in the Tune Ctrl Bridge. Before starting Intati Mode we recommend that you perform Standard Tuning A440Hz. Turn the MCK to the Peg LED All the String LEDs will shine red at this time. Gently strum the lower E string. When E String LED shines orange, fret the string at the 12 th fret and gently strum it again. When the position of the Piezo saddle needs to be changed, the MCK will display the number of half turns you have to apply to the intati screw. After you have made an adjustment, strum the string again open until its LED turns orange, and then re check by fretting the 12 th fret again and gently strumming. Once intati for a string is correct, its LED will shine solid blue, and you can proceed to the next string. When all strings are intated, they will all shine blue for a moment, and turn off. Intati is complete. Chameleon Technology Dark Fire s Chameleon Technology can be activated in any Bank. The Default Chameleon setup is Classic Gibs with Standard EADGBe tuning. If you are going to select a Chameleon, pull out the MCK, choose a preset, and tune the guitar. This tuning will be applied to the Chameleon setup if you choose to store e. Rotate the MCK to the letter C LED and press it momentarily. The Peg Symbol will shine red and the C LED will shine white. The Display Matrix will then spell out your current Chameleon setup in a scrolling marquee. You will see your pickup configuration in the Display Matrix the following table. To select a new Chameleon setup, rotate the MCK to e of the 8 positions in the following table. In each position, the Display Matrix will spell out the name of the corresponding setting. A short press of the MCK will temporarily select a te setting. Push the MCK back in to use the temporarily selected te setting.

A temporarily selected setting will remain in effect until the MCK is pulled out again. A sustained press the display at e of the 8 positions will store that Chameleon setup as your default and it will be activated automatically next startup. The Display Matrix confirms your selected default configuration has been stored by spelling the word STORED in green letters. Rotate the knob all the way clockwise after you have stored your setup, or you will not get Piezo output. When you enter Chameleon te, the Display Matrix will shine the LED that corresponds to your selected tuning, followed by first initial of the Chameleon te setup name. If you want to bypass the Chameleon setups entirely, enter Chameleon Mode and switch off the Piezo signal with the I LED and then switch off the pickup signal by using the Peg LED. A sustained press the display will scroll the word STORED again, and you have bypassed Chameleon Mode. Remember to rotate the MCK all the way clockwise before pushing it back in. Charge Level Display Your Dark Fire guitar should be able to perform up to 500 tunings without needing recharging. You can check the level of charge in Dark Fire s board rechargeable battery pack at the C LED position of any Bank. Pull out the MCK and turn it to the C LED. It will shine orange when the system has ly another 30 minutes of operation left its charge level. A transformer is also provided to power the charger. Now plug in the stereo cable to connect Dark Fire to the input jack nearest the transformer plug. You can continue to play Dark Fire while charging is in process. The independent Piezo Out is not available for use during charging, because the charge is being conducted the sleeve of the stereo plug. If you are using Piezo signal, it will be blended in mo with your regular pickup output at the tip of the plug, and it will also pass through the Amp output. To monitor your charging process, pull out the MCK and turn it to C in any bank.

Apply a sustained press the display until you can see movement the Display Matrix. The progress of the battery charging will be displayed as the charge level bars move. 2 Red bars will light first, then

the 2 yellow bars, then the 2 green bars as the charging process occurs. When charging is complete, all 6 bars will be illuminated. A full charge should take no more than 60 minutes. System Shutdown It is recommended that the system be shut down when Dark Fire is not in use. This prevents drain the Battery Pack. Pull out the MCK and turn it clockwise all the way to the PEG LED. The PEG LED, and the Guitar and Pickup symbols will shine blue. Now turn the MCK counter clockwise to the A LED. Press the MCK in, and the Robot System and Piezo output are turned off and will not drain the battery. Make sure that no LED is shining any more the MCK display should be off. NOTE Any further activity will turn the system back. Do not pull out the MCK again, or you will re activate the system. Setup Mode In Setup Mode, many of Dark Fire s system parameters are user definable. There is a list of Setup Mode Functis which follows, but to utilize them you must first enter Setup Mode. You are now in Setup Mode. You will see a cyan Enter symbol and the b LED will shine yellow as cfirmati. How to select a Functi Number Enter Setup Mode as described above. Rotate the MCK to select each digit of a number in the range of e through 9, followed by a momentary press of the display. Each number selected will flash red to cfirm it has been entered. When all the digits of the Setup Functi no. MCK will give a cfirmati signal as described below. Values are also selected e digit at a time. After the desired value for the Functi has been selected, rotate the MCK fully and press it momentarily. The MCK will give a cfirmati signal as described below. For example, to select Functi Number 16 and give it a value of 2 1. Enter Setup Mode 2. Rotate MCK until the number 1 is displayed.

Momentary press causes the 1 to flash red it has been entered. 3. Rotate MCK until the number 6 is displayed. Momentary press causes the 6 to flash red it has been entered. 4. Now rotate the MCK all the way counter clockwise and give a momentary press. The Enter symbol flashes red and back to cyan. The selected Functi Number will scroll by in yellow. How to select the value for Functi number 16 to 2 1. Complete the process described in nos. 1 4 above. Leave MCK out. 2. Rotate the MCK to the number 2 and give a momentary press. Momentary press causes the 2 to flash red it has been entered. 3. Now rotate the MCK all the way counter clockwise and give a momentary press. Perimeter LEDs the MCK flash green 3 times, and the value selected scrolls by in Yellow. 4. Note that the b symbol shines yellow again, indicating you can access another Setup Mode Functi. If you are de and want to exit Setup Mode, push the MCK back in. Your new value for the Functi you selected will be operative until you change it by either selecting it individually in Setup Mode again, or by Restoring Factory Defaults in Setup Mode. Clickstream is the term for the order of executi and the values selectable in a Setup Mode Functi. Reset functis also have a safety feature where e must press a red Y the display. This is the same sort of security that PCs employ when asking Are You Sure. For example, if you have just used a preset to tune to e EMajor and switch off the system it will come up next time with EMajor again. You have to ctrol it manually by clicking LEDI. It is switched off automatically during tuning because Powertune needs the Piezo output for frequency detecti. It is switched again when the tuning process is de. You have to ctrol it manually by clicking LEDPEG in Chamele Mode. Precisi 9 has an accuracy of approx. 0.2 cent and takes a bit lger for tuning. It takes up to 10 tunings before the Powerhead movement adjusts to your preferred string gauge.

If you switch it off you should strum the strings gently during tuning. It will be applied to all presets. Enter the desired value in hertz. The resoluti is a tenth of a hertz. This means you have to type in four digits, for example 4,3,8,0, for Hertz. When you set the tune count value to 2, the tuning process restarts automatically when all 6 string LEDs are green. This relates ly to Piezo out Mo where the signal of all 6 strings is combined. Piezo out Hex is never routed to tip because you need the RIP to make it audible. Functi 38 Name Set Powerhead Accelerati for all Powerheads Purpose Set the accelerati for all Powerheads at ce. Rotate MCK until blue Y is displayed. Press display momentarily. Rotate MCK back to Enter symbol, press display momentarily. Rotate MCK until blue Y is displayed. Rotate MCK back to Enter symbol, press display momentarily. Functi 109 Name Reset all Purpose Resets all cfigurati data to factory default. Rotate MCK back to Enter symbol, press

display momentarily. Developed from internal documents, this manual is being continuously updated, is only a preliminary draft, Notes Before using the product, be sure to read Lenovo Safety and General Information A jackofalltrades, and master of all of them, the LGXSAs incredible sound power begins with three distinct voices electric guitar, acoustic guitar and A jackofalltrades, and master of all of them, the xtsas incredible sound power begins with three distinct voices electric guitar, acoustic guitar and synth We hope that the new functionality of the Hot Hand 3 unit We understand the importance This quick start guide will help you to get started right away. This quick start guide will help you to get started right away. You can connect your Huawei E5332 to the internet through any WiFi enabled device Please read Part 1 Important Note Supported functions and actual appearance depend on the specific models you purchased.

The following illustrations are provided for your This light flashes when the receiver memory We are proud to offer you the finest acoustic amplification products available; Two or Three Pump IronHeart Lite with Variable Frequency Drives The MidiStream system is very easy to use, but please take Contents 1 Getting Started. 2 Terminology. 3 Performance Operations of the Keystation Pro 88 We are proud to offer the finest acoustic amplification products available highquality professionalgrade It certainly has for me. The 3string Walkingbass is an easy instrument to learn, yet it This Mobile WiFi brings you a high speed wireless network connection. This Mobile WiFi brings you a high speed wireless network connection. This document will help you understand your Mobile WiFi so you can start using Please read carefully before using this product The following The illustrations are provided for your reference only. For details about Notes Before using the product, be sure to read Lenovo Safety and General All Rights Reserved. TABLE OF CONTENTS Studio One Artist Features.3 System Requirements.4 Installation and Authorization.5 The TQ3 is a 3channel system that provides up to a quarter mile range and control for up to three servo outputs. Revo is equipped with two hightorque Please read this manual Be sure to read and follow all instructions carefully before using this product. Feed this robotic pooch your music ENGLISH Original instructions Installation and Programming Manual Quick Start Guide This little gadget It stands for Quick Guider After getting this alarm system, you need to do the following Learning Objectives Dimension a sketch. Apply constraints to Global Reach with a Local Touch To use this website, you must agree to our Privacy Policy, including cookie policy. Its a Les Paul body hell, what isnt that comes out of Gibson anymore. It also uses the Travincal Tuners that were first placed on the Robot Guitar that was released not too long ago.

The tuners on the Dark Fire are version 2 of the tuners though. I read that they can tune to a alternate tuning in less that a second. As mentioned in the description, you could just about change tunings MIDSONG with that speed. The battery also supports up to 500 tunings on a single charge. The tuning button on the guitar has also gone through a update and instead of showing on the knob dial what tuning you are in, the button now has a small display that shows the tuning. It looks really nice. The MAIN thing that caught my attention is that it comes with a Piezo Bridge pickup and that in the near future An optional adaptor provides easy connection from this hex output to popular MIDI guitar interfaces such as those made by Roland and Axon, or allows you to divide out the six individual signals to their own balanced onequarter inch connectors. Looks kick ass to me and I am not a big Gibson fan! RoC I intend to gig with it. Im currently performing as a duo with a Shawn Colvin type female singer songwriter and each song is in a different open tuning. The VG99 is the best emulated alternate tuning rig around but nothing beats the real deal open tuning when trying to play Sonny Landreth slide. You need that close coupled sustain feedback that only real open tuned strings in proximity to an overdriven amp can provide. Would you need some other equipment to control the Les Paul besides that grey box. Im confused on how all this would work together. Availability is sometime in 2009.Dark Fire has been shipping to customers for past 2 weeks, yet Gibson refuses to supply a Dark Fire Owners Manual. So basically a typical owner fumbles about with the MCK knob clobbers the default tuning mode to DADGAD, and can never get the guitar to

function as advertised. Gibson Customer Support is issuing RMAs and Fedex trucks to take the guitars back to Nashville for retuning. This is absurd, but true.

<http://www.bosport.be/newsletter/crate-vc3112-manual>