

Digitech Studio V2 Quad Manual



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Type: PDF, ePub, eBook

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Book Descriptions:

Digitech Studio V2 Quad Manual

Users Manual The lightning flash with arrowpoint in an equilateral These symbols warn that there are no user serviceable parts inside the unit. Do not If liquid is spilled on the unit, shut it off immediately Make sure the Ved utskifting benyttes kun batteri som anbefalt av Udsiftning ma kun ske med Lever det brugte batteri tilbage til leverandoren. Vaihda paristo ainoastaan laite Havita kaytetty paristo valmistajan ohjeiden Care should be taken so that objects do not fall and liquids are not spilled into the enclosure POWER SOURCES The appliance should be connected to a power supply only of the GROUNDING OR POLARIZATION Precautions should be taken so that the grounding POWER CORD PROTECTION Power supply cords should be routed so that they are SERVICING The user should not attempt to service the appliance beyond that described FUSING If your unit is equipped with a fuse receptacle, replace with only same type fuse. Refer to replacement text on the unit for correct fuse type. Explosionsfara vid felaktigt batteribyte. Anvand samma batterityp eller en ekvivalent typ Kassera anvant batteri enligt fabrikantens M anufacturers N ame. M anufacturers A ddress Product N ame. Product Options Sandy, Utah 84070, USA. Studio Quad V2. All Safety EN 60065 1993 Digitech Electronics. President of DigiTech Sandy, Utah 84070, USA. Effective October 2,1996. European Contact Your Local DigiTech Sales and Service Office A mherst, N ew H ampshire 03031, U SA. Tel 603 6724244. Fax 603 6724246. Studio Quad V2 Users Manual. Table Of Contents. Introduction. Warranty. Suppling Power. Front Panel Controls. Rear Panel Connectors. Making Connections. A Word About Bypass. Program Mode. FX Edit Mode. Selecting FX Types and Defaults. Modifying FX Module Parameters Example. Using Modifiers. Linking a Parameter to a Modifier. Setting up an LFO or Dynamic. Comparing Programs. Storing Programs. Digital and Analog Effects List. Reverbs. Chorus and Flange. Phasers.<http://creaorganization.com/depo/sayfaresim/c048-d-e1-installation-manual.xml>

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Rotary Speaker Simluator, Tremolos, and Auto Panners. Detuners and Pitch Shifters. Delays. EQs. Noise Gate and Compressor. Multi Effects. Manual Input Leveling.29. Utility.29. Adjusting the Screen Contrast.29. MIDI Channel.30. Program Map.30. Program Dump.31. System Dump.32. Program Autoload.33. Harmony Tuning Reference.33. Factory Reset.33 Effects and Defaults List.36. Effect Configuration Chart.37. Studio Quad V2 Specifications.38. Factory Program List.39. Harmony Interval Charts.41. Table of Contents. Studio Quad V2 Users Manual Features include A Return Authorization number may be obtained from. DigiTech by telephone.In no event shall. DigiTech or its dealers be liable for special or consequential damages, or from any delay in the performance of IMPORTANT! The information contained in this manual is subject to change at any time without notification. Some The information contained in this version of the manual supersedes all Introduction. Studio Quad V2 Users Manual Before you proceed any further, make sure the Please save all packaging materials. They were designed to protect the unit from damage during shipping.Always be sure to connect your Studio Quad V2 to well grounded AC outlets. You may Figure ll shows the various parts of Figure ll Front Panel. I DISPLAY The Studio Quad V2s large custom display is where you get most of the information you need to The display has several important sections that you need to understand when I a Program Number Indicator These three large digits in the upper left corner of the display indicate Factory Programs can be modified but

must be stored in a User Program location since. Factory Programs cannot be overwritten. Ic Page Indicators The bottom left corner of the display is occupied by the Page indicators. They display These icons only appear in the FX. Edit and Utilities modes. I d Information Line This row of 24 characters top line of the display is the Information line.
<http://www.fromages-service.com/userfiles/c10-caterpillar-engine-manual.xml>

It gives Parameter names, and Utility or auxiliary information. Section I Setting Up. Studio Quad V2 Users Manual They are immediately Each section also has an arrow that shows A CC indicator in each group tells whether the indicated Parameter is set up to be continuously controlled. Directly below each section is a CHANGED indicator that lights to indicate that the Parameter has been The Clip indicator at the end of each meter shows whether the input signal is I g Effect Routing Matrix The Effect Routing Matrix shows the signal flow of the currently selected. Program. This matrix includes boxes that represent each effect module along with lines that indicate how If an effect module is bypassed, a line When in FX Edit mode, the box that represents the currently selected effect module will flash. Likewise the The Data Wheel is used to select a This button is also used to access the Compare mode. See pg. 13 for more information. If you continue to press this button, you Utility item you want to edit. In Program mode, they can also be used to enter the FX Edit modes 1st through Note that the Page indicators Note that the Page indicators change Maps, SysEx Channel, SysEx Dumps, Program AutoLoad and Reset can be accessed. For more on setting I I DATA WHEEL The Data Wheel lets you scroll through Programs and change Parameters values. Studio Quad V2 Users Manual Figure 12 Rear Panel WARNING Make sure the Studio Quad V2s audio levels are all down before changing the setting of this switch. DigiTech is not responsible for any Please see pg. 31 for more information. Programs, and button 3 bypasses the Studio Quad V2s effects. When using any other single momentary switch NOTE The footswitch must be plugged in on power up in order for the Studio Quad V2 to detect which type It is a 4pin DIN connector. Use only the. DigiTech PS0920 power supply with the Studio Quad V2. The following diagrams offer some ways the Studio Quad V2 can be connected.

Studio Quad V2 is connected directly in the audio path of the source. When you use the inline method, the master Cable routings for this method look Section I Setting Up. To Amplifier or Mixer. To Amplifier or Mixer In this application, the source is Figure 14 shows a common recording From Mixer Aux Send 2. From Mixer Aux Send 1 To Mixer Stereo Aux Return R Figure 14 Effects Loop Configuration. Figure 15 shows an example of a typical stereo effect setup as seen from the console, and shows how to handle This is the method of choice in many recording applications because of the impressive realism and depth of texture Aux Send 1. Aux Send 2. Pan Control. Auxl 0 Aux. Aux 2 10 0 Aux 2 10 0 Aux 2 1 Section I Setting Up. REMEMBER When you use this method to process stereo sources such as keyboards, the auxiliary send Figure 16 shows how to connect the Studio Quad V2 for From Mixer Aux Send 4. From Mixer Aux Send 3. From Mixer Aux Send 2. From Mixer Aux S end 1 To Mixer Stereo Aux Return 1 R. To Mixer Stereo Aux Return 2 L. To Mixer Stereo Aux Return 2 R. Using this method, you could use channel 1 for a long vocal reverb, channel 2 for a short gated snare drum reverb, This method also However, the definition of Bypass may change, depending on the application. The Studio. Quad V2 features Application Specific Bypassing so that the Studio Quad V2 functions appropriately in nearly every Levels defined in that Program remain untouched.If the Dry Level is up, then the Studio Quad V2 passes the original signals through Bypassed. Studio Quad V2 Users Manual The display shows the The front panel buttons give you information in one of two ways Pressing a dimly lit button causes it to light brightly and If the DIMLY lit button doesn't light after you press it, Pressing an active button other than the PROGRAM MODE Program mode allows you to scroll through the Factory and User Programs using the Data. Wheel. When the Studio Quad V2 is turned on, it sets itself to Program mode.

<https://congviendis.vn/vi/boss-audio-ba-4800-manual>

Program mode is active when the The FACTORY PRG In this mode, all other buttons on the To select a Program, do the following. If the button is dim, press once to return Each successive press of the The selected program is immediately autoloading. The AutoLoad feature can be turned off, allowing you to view a FX EDIT MODE This mode allows you to edit Use the button to enter the FX Edit mode and then to select the next module for editing. A Page is a group of up to four effect. Parameters that appear on the screen at one time. To move through the Pages in a Program, use the and buttons. Note that as you scroll through the Pages, the Page indicator in the lower Page one of every FX Module allows you to Section 2 Basic Function of the Studio Quad V2. The Default parameter allows you to select one of several effect settings stored in the Studio Quad V2s lil All Factory Programs use these Default settings. So, if you It also gives you several starting Once you edit one of the NOTE There are two Banks available for the defaults, Bank A and Bank B. Effects stored in bank A contain the dry Effects in bank B do not contain the dry signal, and boosts the effect EQ, Panner, Noise Gate, and Tremolo do not Factory Program 139 uses a quad delay with a delay time of 700 milliseconds. The With most effects The display reads The display Pin9Pon9 Module. The display reads. I rj De 1 ay T i me. IJJ LEVEL, UUms. FdBck Tap It. Both the Store button illuminates and the CHANGED icons Section 2 Basic Function of the Studio Quad V2. The Studio Quad V2s ability to accommodate a number of different input and output routing configurations makes it Programs 101 through I 12 in the Factory Program bank are all the FX module configurations available in the Studio. Quad V2. For diagrams of these 12 Effect Configurations, see pg. 38.

<https://www.dermatina100.gr/images/Df1-Protocol-Command-Set-Reference-Manual.pdf>

When you find one that you like, you can save This means that even one configuration can be used thousands of different To select a new Effect Configuration, do the following. Let's use Pgm. 101; Input Mode! u u a d Mono. The output section of the Effect Routing Matrix begins flashing and NOTE Make sure you store any changes you want to save before exiting the edit mode. See pg. 13 for more Every Program in the Studio Quad V2 has a set of Modifiers.MIDI CCs When you use MIDI CCs, the Studio Quad V2 responds to CC numbers 0127 and CHIP channel This means that you could assign your keyboards modulation or pitch bend wheel or any Section 2 Basic Function of the Studio Quad V2. LFOs When you use LFOs, Parameter values can be controlled automatically between a defined minimum and The Studio Quad V2 has 2 user definable LFOs in each program that can For example, you can create an auto panner without using an auto panner module. Simply link an effects output pan This modifier can be a very There are two LFOs available in each program that can Dynamic Modifiers When you use Dynamic Modifiers, the Parameter values are controlled in relation to the The possibilities are nearly endless, and they cannot be duplicated using any other For example, you could link the Dynamic Modifier of a Program to control a chorus level. It doesnt sound like much As the dynamics of the music Ease up on the vocal a little and the chorus increases.Wheel. The only difference is that the button and PROGRAM CHANGED indicators do not light. Therefore, the Default name may display Custom if a Parameter is consistently being changed by a. Modifier. Storing the Program will store these new Parameter values. The display looks something like Modifier Links you want to use. NOTE The MUTE and THRU effect types do not have any Parameters to connect to, so they will not appear Section 2 Basic Function of the Studio Quad V2. Pressure or Aftertouch, L I LFO1, L 2 LF02, or DYN Dynamic.

<https://fjdeboer.com/images/Df2.5-Owners-Manual.pdf>

NOTE Make sure you store any changes you don't want to lose. See pg. 13 for more information The modifiers icon begins to flash in the bottom You can select SINE, TRIangle. SPecialI, SPecial2 or SPecial3. Refer to pg. 19 for Waveform information. The assigned Parameter now follows the modulating waveform of the LFO you selected. See pg. 19 for waveform To link a Dynamic Modifier to a parameter, do the following. The modifiers icon begins to flash in the bottom Page 10. The display reads This control sets the threshold above which dynamic The HiThrs control sets the point

at which maximum. Parameter modification occurs. Section 2 Basic Function of the Studio Quad V2. Studio Quad V2 Users Manual Compare function. To compare an edited Program with the original Stored version, do the following. The top line of the NOTE If you have not altered a program and press the and buttons together, the display The following procedure tells how to store a Program. The display shows the current Program Hall The cursor moves one character to the right. Use to select The top line of the display reads NOTE When the Program is stored, it is stored in the User bank of Programs because Factory Programs cannot The newly created Program is now loaded, and can now be recalled at any time. Studio Quad V2 Users Manual To accomplish that goal, weve supplied you with several different module types in an effects Figure 31 The Resource Pies. Each section of the pies represents a different size Module in an effects configuration. In the diagram, there are three Likewise, the Module sizes available in the Studio Quad V2 are Quarter There are three basic types of FX Modules Mono, Dual, and Stereo. Fig 32 illustrates what the signals do as they The mono source would just be routed to both sides of the. Module's inputs.

Notice how the Dual FX Module maintains stereo compatibility while the mono FX Module always Panner, Pitch Shifters, Detuners, Delays Digital and Analog, Equalizers, Noise Gate, and Compressor. Each chart is preceded by brief descriptions of the effects functions and description. Module names appear in the top If the box is checked, the. Parameter appears in the Module. Two Effect Types will be missing from these charts Mute and Thru. These two Effect Types have no parameters and The Mute type keeps all signals from passing through an Effect module while Section 3 Effects and Parameters. Studio Quad V2 Users Manual In a real room, reverb is a result of sound reflecting off room surfaces such The materials, size, and shape of the room determine how long Today's technology allows the Studio Quad V2 to offer a complete palette of flexible, easy to use reverbs. There The delays are divided into four These reflections can be placed anywhere in the stereo field and can be as dense or Section 3 Effects and Parameters. FX Lvl. Controls the signal input level fed to the Module. Varies from OFF to 100%. Dry Lvl. Controls the level of the dry unaffected signal. Ranges from OFF to 100%. Balance. Varies from Selects the Modules reverb type. Reverbs can be one of ten reverb types or variations, Cathedral, Arena, Cement Shelter, or Infinite Spring. Each room type has a different decay Gated reverbs can be one of twelve different types, including Flat, Shelf,Decaying Linear. Decaying Logarithmic, Decaying Exponential, Decaying Sine, Reverse Linear, Reverse. Logarithmic, Reverse Exponential, Reverse Sine, Peaking Linear, and Peaking Exponential. Density. Controls the number of discrete room wall reflections during the early portions of DECAY. Higher settings produce more reflections while low settings yield fewer initial wall echoes. Use this control in conjunction with DISPERSION to build or reduce the thickness of early Varies from 0% to 99%. Dispersion.

Controls the distance time between the echoes set by DENSITY. If DENSITY is set low Set DISPERSION low for a dense cluster of Varies from 1 to 5. Simulates the presence of different room materials by controlling the smoothness of Low DIFFUSION settings are great for This builds smoothness over the XOver. Type. Selects which crossover type will be used for the Primary and Secondary reverb stages. The two crossover types are High Pass HP and Low Pass LP. XOver. Frequency. Selects the Frequency where the crossover begins to function. Ranges from 25Hz to XOver. These two Parameters allow the crossover to be turned On or Off for each reverb stage. When Off, that particular reverb stage will be full bandwidth, otherwise its frequency Damp. Adjusts how quickly the room absorbs the highfrequency reverberations. In a real room, Low settings cause less dramatic room effects on Ranges from 1 to 7. LowPass. Appears only in Gated Reverbs. Selects the frequency above which all frequencies are Time. Controls the length of the gated reverb in milliseconds Ranges from 25 milliseconds to 300 Section 3 Effects and Parameters. Studio Quad V2 Users Manual Blend. The BLEND control crossmixes reverberations from the left side into the right side and Varies from 0% to 99%. Blend. These two parameters adjust the amount of BLEND for the Primary and Secondary reverb Decay. Controls the length RT60 of the room reverberations. This one

control could have been For small rooms, use shorter DECAY Ranges from .5 to 23 seconds depending on the Reverb. Type currently selected. Decay. Controls the length RT60 for the Primary and Secondary reverberation stages. This Parameter Larger SIZE and REFLECT settings will allow Ranges from .26 to 11 seconds. These two Parameters change the relative room size of the Primary and Secondary reverb Reflet. These two Parameters control the simulation of energy loss of sound each time it is reflected.

Hard, smooth materials like glass and wood have more reflectivity than softer, more porous Delay A. Sets the length of time before hearing Delay group A. Ranges from 0 to 120 milliseconds. Delay B. Sets the length of time between hearing Delay Group A and Delay Group B. Ranges from Delay C. Sets the length of time between hearing Delay Group B and Delay Group C. Ranges from Delay D. Sets the length of time between hearing Delay Group C and Delay Group D. Ranges from Controls the output level of the Delay Groups. Ranges from Off to 100%. Bal AD. Controls the Left/Right balance of the Delay Groups. Ranges from 99 to 99. Shape. Selects the shape of the output levels for the delay group taps. Shape selections are Flat, Peak, Decreasing, Increasing, Shelf, and Reverse Shelf. Controls the width of the effects stereo imaging. Ranges from 1 to 10. FB Dly. Sets the amount of time before the delay is fed back into the signal. Ranges from 0 to 170 ms. Amount. Sets how much delay is fed back into the signal. Ranges from Off to 50%. OutL R. Adjusts the overall level of the left or right side of the reverb. Prim OutL. Adjusts the overall level of the left side of the Primary reverb. Prim OutR. Adjusts the overall level of the right side of the Primary reverb. Seed OutL. Adjusts the overall level of the left side of the Secondary reverb. Seed OutR. Adjusts the overall level of the right side of the Secondary reverb. Section 3 Effects and Parameters In general, here's how choruses and flangers work after entering the Module, the source signal is split into two Figure 33 Modulation Example.

The Dual Chorus creates two different pitch "voices", while the Octal Chorus creates eight voices for extremely The only difference between choruses and flangers is that flangers use less delay and have a feedback Parameter that When the effected signal reaches the input, it If you increase the feedback enough, the source LFO Waveforms There are four LFO waveforms available for Choruses, Flangers, Phasers, Tremolos, Auto. Panners, and five for Modifier LFOs. They include SINE, TRIangle, SPecial1, SPecial2, and SPecial3. Figure 34 Figure 34 LFO Types. Section 3 Effects and Parameters FX Lvl. Varies from OFF to 100%. Dry Lvl. Ranges from OFF to 100%. Balance. Varies from 99 all left to Speed. Controls the Low Frequency Oscillator LFO speed of the chorus. Range of this control is from 0.06 to 16 Hz. Depth. Adjusts the intensity of the chorus effect. High settings produce dramatic modulation, while lower Varies from 0 to 30 milliseconds. Depth 1 2. Octal Chorus only. DEPTH 1 adjusts the intensity of chorus voices 14. DEPTH2 adjusts the intensity of Wander Speed Controls the secondary LFO speed of chorus voices 58. This is a secondary oscillator for voices 58 that Try setting it slightly faster or slower than SPEED. Ranges from 0.06 to 2.0 Hz. Wander Depth Adjusts the intensity of the oscillation deviations produced by WANDER SPEED. WvFrm. Selects which waveform the LFO follows. Options for this control include sine, triangle. SP1 Special 1, and SP2 Special 2. DlyA B. Controls the delay time of chorus voices A and B. Higher delay time settings produce a more dramatic DlyC D. Controls the delay time of chorus voices C and D. Higher delay time settings produce a more dramatic DlyE H. Controls the delay time of chorus voices E H. Higher delay time settings produce a more dramatic Out A B. Adjusts the overall level of chorus voice A or B. Ranges from OFF to 100%. Pan A B. Controls the placement of chorus voice A or B in the stereo image.

Varies from 99 all left to 99 all right. Out C D. Adjusts the overall level of chorus voice C or D. Ranges from OFF to 100%. Pan C D. Controls the placement of chorus voice C or D in the stereo image. Out LA LB. Adjusts the left side level of chorus voice A or B. Ranges from OFF to 100%. Out RA RB. Adjusts the right side level of chorus voice A or B. Ranges from OFF to 100%. Spread.

Controls the width of the effects stereo imaging. The higher the setting, the wider the image. The lower Ranges from 1 to 10. Section 3 Effects and Parameters. Studio Quad V2 Users Manual Ranges from OFF to 100%. Varies from 99 all left to Speed Controls the Low Frequency Oscillator LFO speed of the flanger. Depth Adjusts the intensity of the flange effect. High settings of DEPTH combined with high settings of FDBCK Varies from 0 to 30 milliseconds. FdBck Controls how much of the flanged signal is fed back to the input of the Module. The FDBACK Parameter Flangers are capable of both positive and negative feedback Ranges from 99% to 99%. Options for this control include sine, triangle, SP1 Special 1, DlyA B Controls the delay time of flange voice A or B. Shorter delay time settings produce a more dramatic, Ranges from 0 to 60 milliseconds. Out A B Adjusts the overall level of flange voice A or B. Ranges from OFF to 100%. Pan A B Controls the stereo soundfield placement of flange voice A or B. Varies from 99 all left to 99 all right. Out L R Adjusts the level of the left or right side of the flanger. Studio Quad V2 Users Manual When the two signals are reunited at the output, the modified signal, moving smoothly in and out of phase, causes FX Lvl. Controls the Low Frequency Oscillator LFO speed of the phaser. Adjusts the intensity of the phaser effect. High settings of DEPTH combined with high settings of FDBCK produce dramatic, synthlike results. Varies from 0 to 100 milliseconds. FdBck. Controls how much of the modulated signal is fed back to the input of the Module.

The FDBACK. Parameter is what gives phasers their distinctive resonating sound. Ranges from 0 to 99%. WvFrm. Options for this control include sine, triangle, SP1 Special 1, Out A B. Adjusts the overall level of phaser voice A or B. Ranges from OFF to 100%. Controls the placement of phaser voice A or B in the stereo image. Out L R. Adjusts the level of the left or right side of the phaser. The Rotary Speaker Simluator allows you to emulate the classic rotating speaker sound, without the chiropractic Tremolos and Auto Panners are similar to one another because they use an LFO to modulate the level of the signal. This allows you to recreate the tremolo effects commonly found on vintage instrument amplifiers. FX Lvl. Controls the level of the dry uneffected signal. Controls the oscillation speed of the effect. Depth. Adjusts the intensity of the effect. As DEPTH increases, volume changes become more dramatic. Varies from 0 to 100%. Mode. Selects which speed mode the Rotor and Horn are in. Settings are fast or slow. Spread. Sets the horn stereo microphone spread. Varies from 0 to 100%. Sets the overall Rotor or Horn level. Varies from Off to 100% Doppler. Sets the amount of shifted pitch heard in the horn. Range is 0 to 50 milliseconds. XOver. Selects the frequency where the sinal is split between the horn and rotor. Ranges from 25Hz to 20kHz. Acceleration. Sets the amount of time that the rotor and horn take to come up to their full rotating speed. The ranges Options for this control include sine, triangle, SP1 Special 1, Section 3 Effects and Parameters. Studio Quad V2 Users Manual The Studio Quad V2 uses percentages of semitones to For example, with a maximum detune setting of 50%, the pitch Pitch shifters allow you to create multiple voices from a single note input. In the Studio Quad V2, the new pitch is FX Lvl. Varies from 99 all left to Dtn A B. Controls the detuning amount for detuner voices A and B. FHigher detune settings produce a more Dtn C D.

Controls the detuning amount for detuner voices C and D. Ranges from 50% to 50%. Dtn E H. Controls the detuning amount for detuner voices E through H. Ranges from 50% to 50%. Dly A B. Controls the amount of time before detuner voices A and B are heard. Higher delay time settings Ranges from 0 to 60 milliseconds.

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