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H A Harman International Company
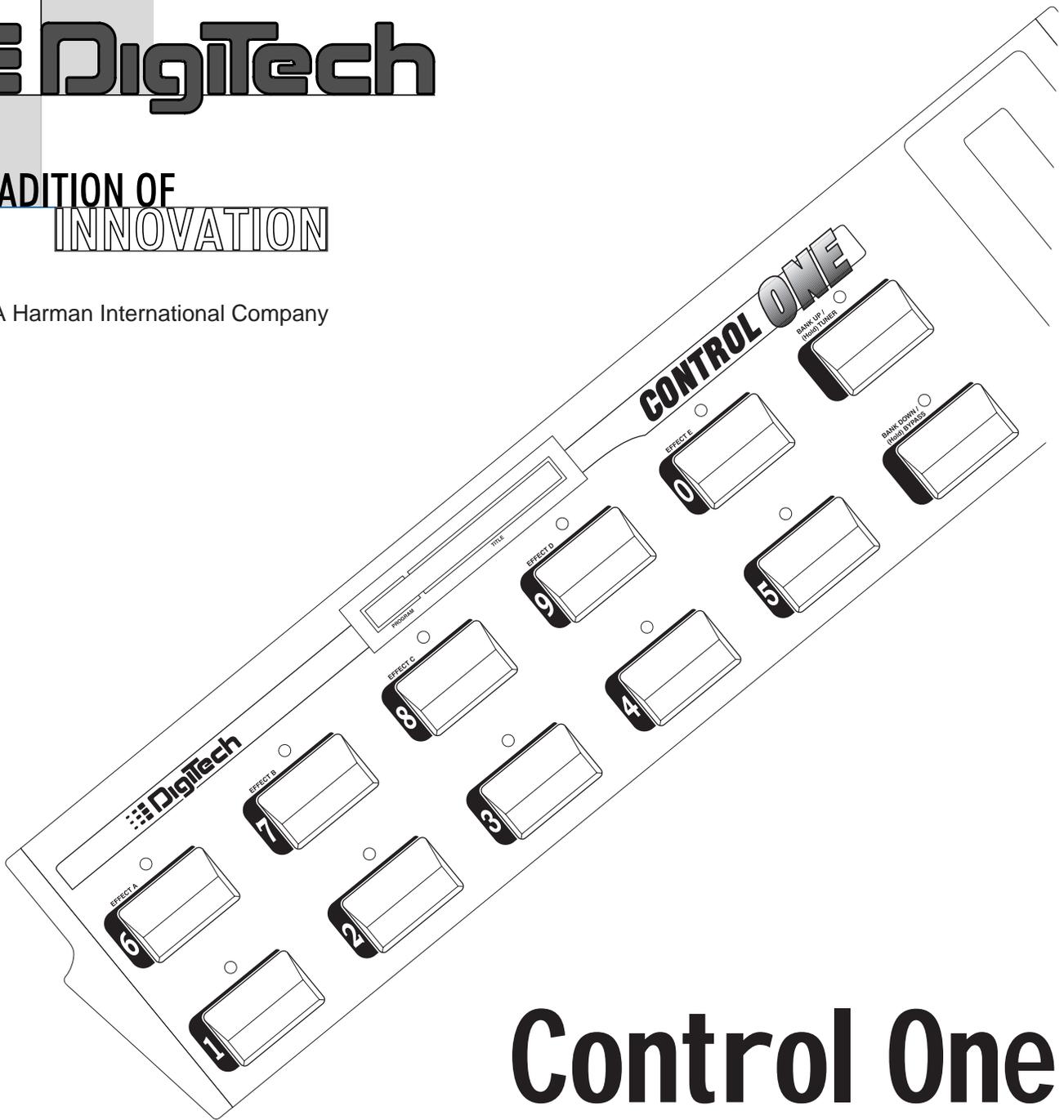
Control One
Remote Foot Controller

For use with the 2112 SGS, GSP-2101, Valve FX and Legend II

Owner's Manual

Safety Precautions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
ATTENTION: RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR
WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE
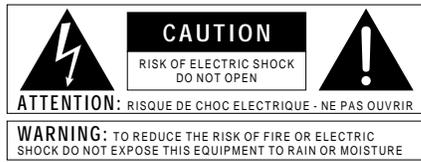
The symbols shown at left are internationally accepted symbols that warn of potential hazards with electrical products. The lightning flash with arrowpoint in an equilateral triangle means that there are dangerous voltages present within the unit. The exclamation point in an equilateral triangle indicates that it is necessary for the user to refer to the owner's manual.

These symbols warn that there are no user serviceable parts inside the unit. Do not open the unit. Do not attempt to service the unit yourself. Refer all servicing to qualified personnel. Opening the chassis for any reason will void the manufacturer's warranty. Do not get the Control One wet. If liquid is spilled on the unit, shut it off immediately and take it to a dealer for service. Disconnect the equipment during storms to prevent damage.

Warranty

1. The warranty registration card must be mailed within ten days after purchase date to validate this warranty.

2. DigiTech warrants this product, when used solely within the U.S., to be free from defects in materials and workmanship under normal use and service.

3. DigiTech liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned to DigiTech WITH RETURN AUTHORIZATION, where all parts and labor will be covered up to a period of one year. A Return Authorization number may be obtained from DigiTech by telephone. The company shall not be liable for any consequential damage as a result of the product's use in any circuit or assembly.

4. Proof-of-purchase is considered to be the burden of the consumer.

5. DigiTech reserves the right to make changes in design or make additions to or improvements upon this product without incurring any obligation to install the same on products previously manufactured.

6. The foregoing is in lieu of all other warranties, expressed or implied, and DigiTech neither assumes nor authorizes any person to assume for it any obligation or liability in connection with the sale of this product. In no event shall DigiTech or its dealers be liable for special or consequential damages or from any delay in the performance of this warranty due to causes beyond their control.

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The information contained in this manual is subject to change at any time without notification. Some information contained in this manual may also be inaccurate due to undocumented changes in the product or operating system since this version of the manual was completed. The information contained in this version of the owner's manual supersedes all previous versions.

Quick Start

For those of you who prefer to burn now and read later, we've included this Quick Start reference section to help you do it right the first time.

Connect Cables: Make sure the power is off before connecting or disconnecting the cable to the Control One. Using a standard 5-pin DIN cable (MIDI-type), connect the Control One to the jack on the rear panel of the 2112 SGS, GSP-2101, Valve FX or Legend II where labeled FOOT CONTROLLER. **DO NOT CONNECT ANYTHING BUT THE CONTROL ONE TO THE FOOT CONTROLLER JACK ON THE REAR PANEL OF THE 2112 SGS, GSP-2101, VALVE FX OR LEGEND II! DOING OTHERWISE MAY DAMAGE THE DEVICE. IF MIDI CONTROL IS DESIRED, CONNECT THE MIDI DEVICE(S) TO THE MIDI IN JACK.**

Apply Power: When you turn on the 2112 SGS, GSP-2101, Valve FX or Legend II, the foot controller will also power up.

Select Program : Begin playing your guitar and choose any program using the footswitches or (**2101, Valve FX or Legend II only**), by pressing the Program footswitch once and then entering the desired program number using the number footswitches. Once the program has been selected, the unit will change to that program.

Select Bank (2112 Only): You can scroll through the 19 Banks of the 2112 by simply pressing either the <Bank Up> or <Bank Down> footswitch on the Control One. Once a bank is selected, press one of the flashing footswitches and the 2112 will move to the selected bank.

Introduction

Congratulations, and thank you for your purchase of the Control One Foot Controller. The Control One is a powerful remote foot controller that allows you to take full advantage of all the high-performance real-time control capabilities of the 2112 SGS, GSP-2101, Valve FX or Legend II Guitar Processors. In addition, the Control One is also compatible with Johnson Amplification products such as Millennium 150 and Marquis 100. The unit is equipped with ten programmable footswitches, plus dedicated bypass and Program / Bank selector switches, along with a continuous controller pedal built into the pedalboard.

This owner's manual is your key to understanding the powerful world of the Control One. Read it carefully. After you've had time to familiarize yourself with the unit, try experimenting with unusual continuous controller Parameter links. You may get some interesting results. DigiTech is always looking for new ideas, so if you feel that you've created something unique, send us your ideas at the address on the back cover of this manual. Good luck, and thank you for choosing DigiTech.

Control One Modification Decals (2101, Valve FX or Legend II Only)

Included with the Control One foot controller, are two Modication decals. These decals are to be used in conjunction with either the **2101**, **Valve FX** or **Legend II** Preamp/Processors. These decals are provided to enable the User to operate the Control One effectively using any of the units listed above.

Applying Decals

The decals are to be placed on the Control One in the specified areas:

BYPASS - This decal is placed directly over the footwitch marked: Bank Down/(Hold)Bypass.

PROGRAM/BANK/TUNER - This decal is to be placed directly over the footswitch marked:
BANKUP/(Hold)TUNER.

Section 1 - Startup

Front Panel Controls and Functions
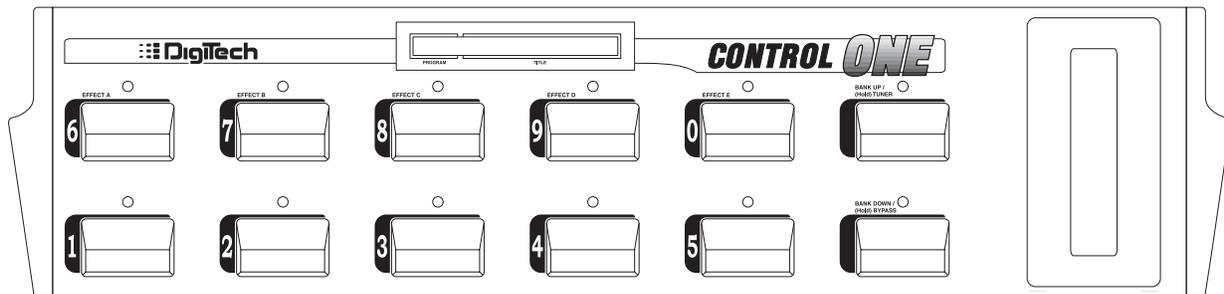
The front panel of the Control One consists of a 20 character vacuum-fluorescent display, ten programmable footswitches, a dedicated bypass footswitch, a Select switch, and the built-in continuous controller pedal.

- **Program Switches** - Each programmable switch has a number (0-9) and can be programmed to function in one of several ways.

- **Bank Up/ (Hold) Tuner switch (2112 only)** - This switch lets you move up through the Bank menu and select Banks simply pressing the footswitch once. Successive presses will move down to the next Bank. When the desired Bank is reached, press any of the flashing footswitches and the selected Bank will be activated. When you press and hold the footswitch, the Control One will put the 2112 in Tuner mode.

- **Bank Down/ (Hold) Bypass switch (2112 only)** - This switch lets you move down through the Bank menu and select Banks simply pressing the footswitch once. Successive presses will move to the next bank. When the desired banks is reached, press any one of the flashing footswitches and the selected Bank will be activated. When you press and hold the footswitch, the Control One will put the 2112 in Bypass mode.

- **Program / Bank / Tuner Selector (Included decal for 2101, Valve FX or Legend II)** - The Select switch allows you to switch Banks or to randomly select any Program number for instant recall. This also allows access to the tuner on the GSP-2101 and Valve FX by pressing the switch three times.

- **Bypass Switch (Included decal for 2101, Valve FX or Legend II)** - The Bypass switch, when active, passes the input signal directly to the output(s) of the GSP-2101, Valve FX or Legend II, effectively bypassing all currently operating effects (including analog effects).

- **Continuous Control Pedal** - Real-time control of any Parameter in the 2112 SGS, GSP-2101, Valve FX or Legend II can be accomplished using the built-in continuous controller pedal (and / or an external CC pedal). For complete information on Continuous Controller assignments, please refer to the original Owner's Manual shipped with the 2112 SGS, GSP-2101, Valve FX or Legend II.

Rear Panel Connections

The rear panel of the Control One consists of the control output (for use with the 2112 SGS, GSP-2101, Valve FX or Legend II **only**) and an external continuous controller input if more than one CC pedal or source is desired.

- **Control Output** - The Control Output is a 5-pin DIN connector (MIDI-type). All control information generated by the Control One is sent out the Control Output to the 2112 SGS, GSP-2101, Valve FX or Legend II. The Control One also gets its power from the 2112 SGS, GSP-2101, Valve FX or Legend II down this cable, eliminating the need for a separate power supply for the foot controller.

   > **IMPORTANT: The Control Output is not a MIDI output, and should not be connected to anything but the dedicated Foot Controller connector on the 2112 SGS, GSP-2101, Valve FX or Legend II.**

   - **External Continuous Controller Input** - This 1/4" jack allows a second continuous control device to be used with the 2112 SGS, GSP-2101, Valve FX or Legend II. It responds to both control voltage and resistance pedals (volume-type), and can be used in conjunction with the built-in CC pedal.

Section 2 - Basic Operation

Using the Control One
Following is a basic step-by-step procedure on how to connect and use the Control One with your 2112 SGS, GSP-2101, Valve FX or Legend II.

- Make sure the power to your 2112 SGS, GSP-2101, Valve FX or Legend II is off.

- Using a standard 5-pin DIN cable (MIDI-type), connect the Control Output to the Foot Controller input on the rear panel of the 2112 SGS, GSP-2101, Valve FX or Legend II.

   WARNING: Do not connect devices other than the Control One to the Foot Controller connector on the rear panel of the 2112 SGS, GSP-2101, Valve FX or Legend II. This is **not** a MIDI connection. Connecting devices other than the Control One to the Foot Controller connector may damage the device.

- When the Control One is connected, turn the 2112 SGS, GSP-2101, Valve FX or Legend II's power switch on. Both the signal processor/preamp and the Control One will begin their power-up initialization sequences. When initialization is complete, the Control One's display will show the number and name of the currently selected Program on the 2112 SGS, GSP-2101, Valve FX or Legend II.

- To change Programs within the currently selected Bank, press one of the numbered Patch switches on the pedalboard. The display will change to reflect the name and number of the newly selected Program.

- **GSP 2101, Valve FX or Legend II only** To recall any Program number, press the Program / Bank Selector switch once and use the 0-9 pedals to enter the number of the Program you want. If the Program number you want is lower than 100, you must press the Program / Bank Selector switch again after the number has been entered. This tells the GSP-2101, Valve FX or Legend II that you are finished entering numbers and to initiate the change.

- **GSP 2101, Valve FX or Legend II only** To change Banks (a Bank is a group of Programs accessed using only the 0-9 pedals), press the Program / Bank Selector switch (the top right switch on the pedalboard) twice. The display of the Control One reads: BANK NUMBER X. X indicates the currently selected Bank number.

- To select a Program in the new Bank press a footswitch (0-9).

- The CC pedal is set from the factory to control at least one Parameter in almost every Program in the 2112 SGS, GSP-2101, Valve FX or Legend II. Try it in each new Program to find out what it does.

<u>**Section 3 - Programming the Control One**</u>

All programming and setup for the Control One is performed from the front panel of the 2112 SGS, GSP-2101, Valve FX or Legend II. Most of the setup menus that deal with the Control One can be found in the Foot Controller section of the Utility setup menu.

For complete infomation of how the Control One interacts with the 2112 SGS, GSP-2101, Valve FX or Legend II it will be necessary to refer to the original Owner's Manual shipped with each product. Although the features and functions are common in these three products, their procedures for setup vary slightly from product to product.

The first time the Contol One is connected to the GSP-2101, Valve FX or Legend II it will be necessary to calibrate the CC pedal to function correctly. This function can be found by pressing the <UTILITY> button once on the GSP-2101, Valve FX or Legend II. Please refer to the GSP-2101, Valve FX or Legend II's Owner's manual for further instructions.

The 2112 SGS will automatically calibrate the Control One when connection is made.

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