

Stealth pedals

MIDI Control



The image displays the MIDI control interface for the Stealth pedal, overlaid on a photograph of the physical hardware. The interface is titled "Stealth pedal MIDI CONTROL" and features a dark grey background with white text and controls. At the top, it shows the "PRESET" name "Virtual Instruments Control" and "Comments" "Live Setup 1". Below this are buttons for "SAVE", "SAVE AS", "DELETE", and "ON", along with "CONTROL" and "CURRENT PRG" indicators showing "CC#1 - 102" and "104".

The main interface is divided into six columns, each representing a different control parameter:

- Optional Switch 1:** Channel 1, CTRL change 0, From 0, To 0, Latch Off, PRG change Down, Note 0 V 0.
- Optional Switch 2:** Channel 1, CTRL change 0, From 0, To 0, Latch Off, PRG change Up, Note 0 V 0.
- StealthPedal Expression:** Channel 1, CTRL change 1, From 0, To 127, Curve 5, PRG change 0, Pitch bend.
- StealthPedal Volume:** Channel Off, CTRL change 0, From 0, To 0, Curve 0, PRG change 0, Pitch bend.
- StealthPedal Switch:** Channel 1, CTRL change 14, From 0, To 127, Latch On, PRG change 0, Note 0 V 0.
- Optional Expression:** Channel 1, CTRL change 12, From 0, To 127, Curve 5, PRG change 0, Pitch bend.

Below the interface, a photograph of the Stealth pedal hardware is shown. The pedal is silver and black, with a footplate and a control knob. A diagrammatic overlay shows the pedal's internal components and their connection to the MIDI control interface. A vertical slider is connected to the "StealthPedal Expression" column, a knob is connected to the "StealthPedal Volume" column, and a footswitch is connected to the "StealthPedal Switch" column. A "PEDAL ADJUST" button is visible at the bottom right of the interface.

User Manual

IK Multimedia. Musicians First.



StealthPedal™ CS MIDI Control

PLEASE NOTE

StealthPedal™ and AmpliTube® are trademarks or registered trademarks property of IK Multimedia Production. All other product names and trademarks are the property of their respective owners, which are in no way associated or affiliated with IK Multimedia.

StealthPedal™ CS MIDI Control

Table of Contents

I	Contents	3
II	Interface	4
III	License Agreement	6
Chapter 1	StealthPedal MIDI Control application introduction	9
Chapter 2	How the StealthPedal MIDI Control application works	11
2.1	How to install the StealthPedal MIDI Control application	11
2.2	StealthPedal AUDIO	13
Chapter 3	StealthPedal MIDI Control Assignment	15
3.1	Overview	15
3.2	Switch Assignment	16
3.3	Pedal Assignment	17
3.4	Pedal Adjust	18
3.5	StealthPedal Volume Knob Assignment	19
Chapter 4	Save and Load MIDI assignment presets	21
4.1	Presets Comments	22
Chapter 5	Troubleshooting	23

StealthPedal™ CS MIDI Control

Presets. Saves and recalls your choice of MIDI setups.

Setup and Assignment. Assign MIDI messages to all StealthPedal controls.



StealthPedal™ CS MIDI Control

Control. Your StealthPedal can control MIDI virtual instruments and effects.



Monitor. You can always check which MIDI messages are being sent.

Flexibility. Each StealthPedal control can send specific MIDI messages on different channels.

StealthPedal™ CS MIDI Control

License Agreement

END-USER LICENSE AGREEMENT FOR IK MULTIMEDIA PRODUCT

Please read this document carefully before breaking the seal on the media package. This agreement licenses the enclosed software to you and contains warranty and liability disclaimers.

By breaking the seal on the media envelope, you are confirming to have taken notice of terms and conditions of this agreement and you acknowledge your acceptance of the software as well as your acceptance of the terms of this agreement. If you do not wish to do so, do not break the seal. Instead, promptly return the entire package, including the unopened media package, to the dealer from whom you have obtained it, for a full refund.

1) DEFINITIONS

"EULA" means this end user license agreement

"IK Multimedia Product" means the software program included in the enclosed package, and all related updates supplied by IK Multimedia.

"IK Multimedia Product" means the software program and hardware (if any) included in the enclosed package, the related documentation, models, multimedia content (such as animation, sound and graphics) and all related updates supplied by IK Multimedia.

"Not for resale (NFR) Version" means a version of IK Multimedia Product, so identified, is intended for review and evaluation purposes, only.

2) LICENSE

The "IK Multimedia Product" is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The "IK Multimedia Product" is licensed, not sold. This EULA grants you the rights as specified here below. All other actions and means of usage are reserved to the written permission of the right holder IK Multimedia Production Srl:

Applications Software. The "IK Multimedia Product" may be used only by you. You may install and use the "IK Multimedia Product", or any prior version thereof for the same operating system, on up to five (5) computers, provided that (a) each computer is owned by (or leased to) and under the exclusive control of the licensee; (b) the program(s) shall NOT be used simultaneously on more than one machine, and (c) any computer(s) with IK Multimedia software installed shall not be sold, rented, leased, loaned or otherwise be removed from the licensee's possession without first removing (uninstalling) the licensed software, except as provided in Paragraph 4 (below) pertaining to "Software Transfer".

Storage/Network use. You may also store or install a copy of the "IK Multimedia Product" on a storage device, such as a network server, used only to install or run the "IK Multimedia Product" on your other computers over an internal network; however, you must acquire and dedicate a distinct license for each user of the "IK Multimedia Product" from the storage device. Any given license for the "IK Multimedia Product" may not be shared or used concurrently or otherwise on different computers or by different developers in a given organization.

3) AUTHORIZATION

The "IK Multimedia Product" only functions when you have authorized it. The "IK Multimedia Product" will be authorized upon completing the authorization procedure. Once your product is authorized, you may use it.

You agree to follow the authorization procedure and will provide true, accurate and complete information about yourself. If you provide any information that is untrue, inaccurate, not correct or incomplete, or IK Multimedia has reasonable grounds to suspect that such information is untrue, inaccurate, not correct or incomplete, IK Multimedia has the right to suspend or to revoke the license.

The termination of the license shall be without prejudice to any rights, whatsoever, of IK Multimedia.

4) DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS

Limitations on Reverse Engineering, Decompilation, and Disassembly. You may not reverse engineer, decompile, or disassemble the "IK Multimedia Product", except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation of components. The "IK Multimedia Product" is licensed as a single product. Its component parts may not be separated for use on more than one computer.

Not for Resale Version. If the "IK Multimedia Product" is labeled "Not for Resale" or "NFR" or "Evaluation Copy", then, notwithstanding other sections of this EULA, you may not sell, or otherwise transfer the "IK Multimedia Product".

Rental. You may not rent, lease, or lend the "IK Multimedia Product" to any party.

Software Transfer. You may not transfer, license or sublicense your rights as licensee of the software or any IK Multimedia product, as licensed to you under this agreement without prior written consent of the rights owner. The carrier on which the IK Multimedia product has been distributed may be transferred or otherwise made available to any third party only with the prior written consent of the rights owner and provided that (a) the original media

and license(s) accompany the carrier and (b) the party transferring the media does not retain a copy of the media.

5) UPGRADES

If the "IK Multimedia Product" is labeled or otherwise identified by IK Multimedia as an "upgrade", you must be properly licensed to use a product identified by IK Multimedia as being eligible for the upgrade in order to use the "IK Multimedia Product".

An "IK Multimedia Product" labeled or otherwise identified by IK Multimedia as an upgrade replaces and/or supplements the product that formed the basis for your eligibility for such upgrade. You may use the resulting upgraded product only in accordance with the terms of this EULA. If the "IK Multimedia Product" is an upgrade of a component of a package of software programs that you licensed as a single product, the "IK Multimedia Product" may be used and transferred only as part of that single product package and may not be separated for use on more than one computer.

6) DUAL-MEDIA SOFTWARE

You may receive the "IK Multimedia Product" in more than one medium. You may not loan, rent, lease, or otherwise transfer the other medium to another user, except as part of the permanent transfer (as provided above) of the "IK Multimedia Product".

7) LIMITED WARRANTY

IK Multimedia warrants to the original purchaser of the computer software product, for a period of ninety (90) days following the date of original purchase, that under normal use, the software program and the user documentation are free from defects that will materially interfere with the operation of the program as described in the enclosed user documentation.

8) WARRANTY CLAIMS

To make a warranty claim under the above limited warranty, please return the product to the point of purchase, accompanied by proof of purchase, your name, your return address and a statement of the defect, or send the CD(s) to us at the below address within ninety (90) days of purchase. Include a copy of the dated purchase receipt, your name, your return address and a statement of the defect. IK Multimedia or its authorized dealer will use reasonable commercial efforts to repair or replace the product and return it to you (postage prepaid) or issue to you a credit equal to the purchase price, at its option.

9) LIMITATIONS ON WARRANTY

IK Multimedia warrants only that the program will perform as described in the user documentation. No other advertising, description or representation, whether made by a IK Multimedia dealer, distributor, agent or employee, shall be binding upon IK Multimedia or shall change the terms of this warranty.

EXCEPT AS STATED ABOVE, IK MULTIMEDIA MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, REGARDING THIS PRODUCT. IK MULTIMEDIA DISCLAIMS ANY WARRANTY THAT THE SOFTWARE IS FIT FOR A PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY OF MERCHANTABILITY SHALL BE LIMITED TO A NINETY (90) DAY DURATION OF THIS LIMITED EXPRESS WARRANTY AND IS OTHERWISE EXPRESSLY AND SPECIFICALLY DISCLAIMED. IK MULTIMEDIA SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES, EVEN IF IK MULTIMEDIA IS ADVISED OF OR AWARE OF THE POSSIBILITY OF SUCH DAMAGES. THIS MEANS THAT IK MULTIMEDIA PRODUCTION SRL SHALL NOT BE RESPONSIBLE OR LIABLE FOR THE LOSS OF PROFITS OR REVENUES, OR FOR DAMAGES OR COSTS AS A RESULT OF LOSS OF TIME, DATA OR USE OF THE SOFTWARE, OR FROM ANY OTHER CAUSE EXCEPT THE ACTUAL COST OF THE PRODUCT. IN NO EVENT SHALL IK MULTIMEDIA LIABILITY EXCEED THE PURCHASE PRICE OF THIS PRODUCT.

10) CHOICE OF LAW

You agree that any and all claims, suits or other disputes arising from your use of the software shall be determined in accordance with the laws of Italy, in the event IK Multimedia, is made a party thereto. You agree to submit to the jurisdiction of the court in Modena, Italy for all actions, whether in contract or in tort, arising from your use or purchase of the software.

11) GENERAL

This Agreement contains the complete agreement between the parties with respect to the subject matter hereof, and supersedes all prior or contemporaneous agreements or understandings, whether oral or written. All questions concerning this Agreement shall be directed to:

IK Multimedia Production Srl
Via dell'Industria 46
41122 Modena
Italy

© 2009-2011 IK Multimedia. All rights reserved.

StealthPedal™ CS MIDI Control

StealthPedal™ CS MIDI Control

Chapter 1 StealthPedal MIDI Control application introduction

Thank you for your purchase of StealthPedal. StealthPedal can be used as a MIDI controller for your preferred MIDI application.

StealthPedal's MIDI Control application allows the user to assign any of StealthPedal's controls (Foot Switches or Expression Pedals) to control any MIDI parameter in your preferred applications. Additionally, users can Save and Recall presets for use with multiple applications and/or multiple setups within the same application.

StealthPedal™ CS MIDI Control

StealthPedal™ CS MIDI Control

Chapter 2 How the StealthPedal MIDI Control application works

The StealthPedal MIDI Control application allows you to control your preferred MIDI application's parameters by moving the physical controllers on the StealthPedal Hardware.

To allow this the StealthPedal is “seen” by MIDI compatible applications as a MIDI Input port called “IK StealthPedal MIDI”.

When the StealthPedal MIDI Control application is open the data relating to any StealthPedal control movement is sent to the IK StealthPedal MIDI input port so that any MIDI compatible application will be able to see and get data from it.

2.1 How to install the StealthPedal MIDI Control application

To install StealthPedal MIDI Control application insert the CD included in the StealthPedal box and double click the icon named “Install StealthPedal MIDI Control”. Follow on-screen instructions.

To Open StealthPedal MIDI Control application in Windows go to:
Start > All Programs > IK Multimedia > StealthPedal > StealthPedal MIDI Control

To Open StealthPedal MIDI Control application in Mac OS X go to:
Applications > StealthPedal MIDI Control

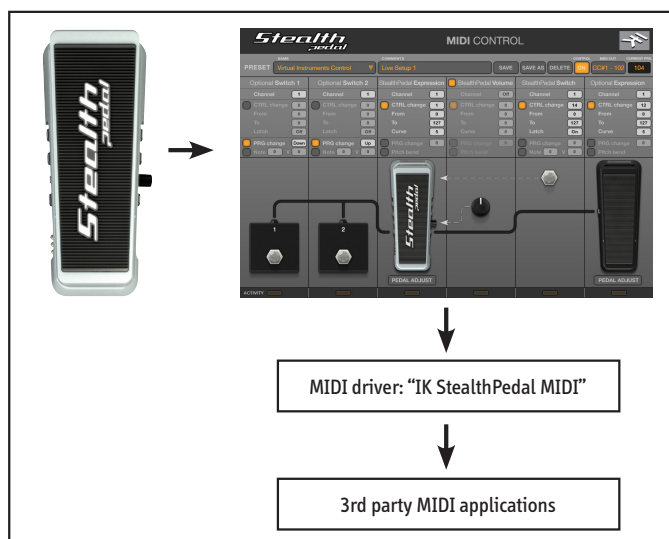


figure 2.1

StealthPedal™ CS MIDI Control

In order to have your StealthPedal MIDI controls to work within your preferred MIDI application you will:

- 1) Connect the StealthPedal.
- 2) Open the StealthPedal MIDI Control application and set it up the way you need MIDI controls to be sent.
- 3) Setup the MIDI compatible application you want to control so that its MIDI input port is "IK StealthPedal MIDI". Every message that is sent by the StealthPedal MIDI Control app is displayed on the MIDI OUT display and is at the same time is sent to the "IK StealthPedal MIDI" MIDI port (figure 2.2).



figure 2.2

- 4) Enable Control ON in the StealthPedal MIDI Control application (figure 2.3).



figure 2.3

IMPORTANT: AmpliTube or StealthPedal MIDI Control cannot get data from StealthPedal at the same time. There is a button on both AmpliTube and StealthPedal MIDI Control applications that enables the StealthPedal Control (figure 2.4).



figure 2.4

If you turn this button ON within AmpliTube it will automatically turn OFF in the StealthPedal MIDI Control application and vice-versa, because only one of the Controls can be active at the same time.

2.2 StealthPedal AUDIO

The AUDIO interface functionality of the StealthPedal is totally independent from the control and MIDI interface.

This means that you can freely use StealthPedal MIDI Control to setup MIDI messages to be sent to an application while you use StealthPedal Audio interface with the same or another ASIO or CoreAudio compatible application.

Check the StealthPedal User Manual for additional and specific information on how the StealthPedal Audio Interface works.

StealthPedal™ CS MIDI Control

Chapter 3 StealthPedal MIDI Control Assignment

3.1 Overview

From the StealthPedal MIDI Control main interface (figure 3.1), you can decide what each StealthPedal control will send out to the MIDI port mentioned in the previous chapter.



figure 3.1

StealthPedal controls can send these types of MIDI messages:

- Continuous Control Changes, with variable range and variable curve, temporary or latched modes (MIDI CCs).
- MIDI Program Changes.
- MIDI Notes, specified note number and velocity.
- Pitch Bend messages.

The last messages sent are continuously monitored on the MIDI OUT display for easy check of what has been setup and how it works (figure 3.2).

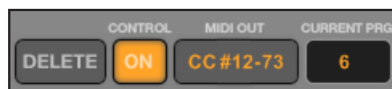


figure 3.2

StealthPedal™ CS MIDI Control

3.2 Switch Assignment

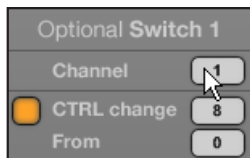


figure 3.3

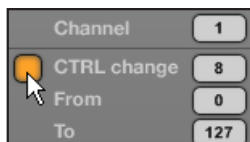


figure 3.4



figure 3.5

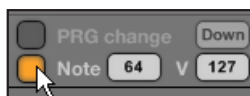


figure 3.6



figure 3.7



figure 3.8

The StealthPedal footswitch (located under the pedal rocker) and both external, optional switches can be configured to send a MIDI CC, a MIDI Program Change or a MIDI Note message.

First of all select which MIDI channel the switches will transmit the selected MIDI message to (figure 3.3).

After this, just select the type of message you want to associate to the individual Switches.

Within this same area you'll also find fields where you can specify all needed parameters for the selected MIDI Message.

If you wish to send Continuous Controllers values (CCs) you will need to select the CC number, and the min-max range (figure 3.4).

When the switch will be preset the Max value will be sent, and vice-versa.

You will also need to select if you would like this switch to work in temporary or latched modes (figure 3.5).

If you wish to send a MIDI Note message, select the Note number and the velocity value (figure 3.6).

If you wish to send a MIDI Program Change select its value on the PRG Change fields (figure 3.7).

The last sent Program Change is always shown on the CURRENT PROG display, and current Program Change is always stored and reloaded when the StealthPedal MIDI Control is closed and reopened (figure 3.8).

Sequential Program Changes

If you want to send MIDI Program Changes in a sequential way just select UP or DOWN on the PRG Change values fields.

The values in these fields goes from 0 to 127, with DOWN and UP as the first two values. So scrolling those fields you will have: Down, Up, 0, 1, 2,..... 127 (figure 3.9).



figure 3.9

To double check everything has been properly setup, activate the switches on the StealthPedal and check the MIDI OUT display to show the message

you need to be sent (figure 3.10).



figure 3.10

3.3 Pedal Assignment

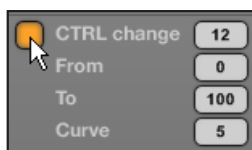


figure 3.11

Both the StealthPedal's built-in Pedal and the external, optional, expression pedal can be configured to send a MIDI CC, a MIDI Program Change or a Pitch Bend message.

First, select which MIDI channel the pedals will transmit the selected MIDI message to. Each StealthPedal control can, if you need to, send MIDI messages to different channels.

Next, select the type of message you want to associate to the pedals.

Within this area you'll also find fields where you can specify all required parameters for the selected MIDI Message.

If you wish to send Continuous Controllers values (CCs) you will need to select the CC number, and the min-max range.

When the pedal is set at the Heel position the MIN value will be sent. When the pedal is set at the Toe position the MAX value will be sent (figure 3.11).



figure 3.12

Normally the Pedal controls the MIDI CC with a linear curve. You might want to change this to a compressed curve or to an expanded one. "Curve" values lower than 5 will give a compressed curve control, higher than 5 will give an expanded one, default is 5 which means linear (figure 3.12).

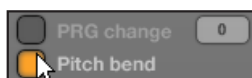


figure 3.13

If you wish to send a MIDI Pitch Bend message there are no values to be set, the whole Pitch Bend range will be sent over the pedal range (figure 3.13).

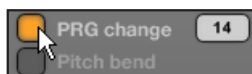


figure 3.14

If you wish to send a MIDI Program Change just enter its value, the Program Change message will be sent every time the pedal is moved. Last sent Program Change is always shown on the CURRENT PROG display (figure 3.14).

To double-check that everything has been properly setup, just move the pedals and check the MIDI OUT display to show the message you need to be sent (figure 3.15).



figure 3.15

StealthPedal™ CS MIDI Control

3.4 Pedal Adjust

Continuous pedals are mechanical devices, and as such can be slightly imprecise or possibly not cover the entire control range.

To precisely adjust their range and action press Pedal Adjust (figure 3.17).

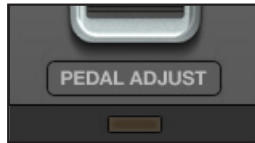


figure 3.17

A small window will open, with two buttons MIN and MAX.

To calibrate the pedal just follow these two simple steps:

- Move the physical pedal to its lower position (Heel) and press MIN (figure 3.18).



figure 3.18

- Move the physical pedal to its higher position (Toe) and press MAX (figure 3.19).



figure 3.19

StealthPedal™ CS MIDI Control

To double-check the control range is now fully covered by the physical pedal, check the LED meter within the Pedal Adjust window.

To store the Pedal adjustment click OK (figure 3.20).



figure 3.20

3.5 StealthPedal Volume Knob Assignment

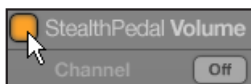


figure 3.21

The StealthPedal Volume knob normally works as a volume control for StealthPedal audio outputs (figure 3.21).

However it can be configured to send a MIDI CC, a MIDI Program Change or a Pitch Bend message.

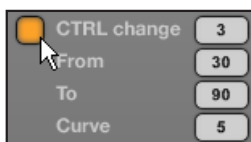


figure 3.22

In these cases the knob will not control the audio Volume anymore, and will instead only act as a continuous MIDI controller.

First, select which MIDI channel the knob will transmit the selected MIDI message to.

Next, select the type of message you want to associate to the knob.

Within this area you'll also find fields where you can specify all required parameters for the selected MIDI Message.

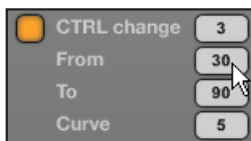


figure 3.23

If you wish to send Continuous Controllers values (CCs) you will need to select the CC number, and the min-max range (figure 3.22).

When the knob is set fully counterclockwise the MIN value will be sent. When the pedal is set fully clockwise the MAX value will be sent (figure 3.23).

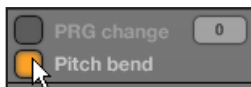


figure 3.24

If you wish to send a MIDI Pitch Bend message there are no values to be set, the whole Pitch Bend range will be sent over the knob range (figure 3.24).

If you wish to send a MIDI Program Change just enter its value, and the Program Change message will be sent every time the knob is moved. The

StealthPedal™ CS MIDI Control

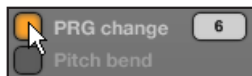


figure 3.25

last sent Program Change is always shown on the CURRENT PROG display (figure 3.25).

To double check everything has been properly setup, just move the knob on the StealthPedal and check the MIDI OUT display to show the message you need to be sent (figure 3.26).



figure 3.26

Chapter 4 Save and Load MIDI assignment presets

You can save as many configurations as you want for the StealthPedal MIDI Control application, so that you can easily load the preferred and most suitable one depending on your specific need.

To save a preset, once all controls are set the way you want, press the SAVE or SAVE AS buttons (figure 4.1).



figure 4.1

By pressing SAVE you will be asked to replace the existing preset (if you loaded one before).

If a preset was not previously loaded a SAVE AS window will open. By pressing SAVE AS you will be asked to save the preset with a new name (figure 4.2).

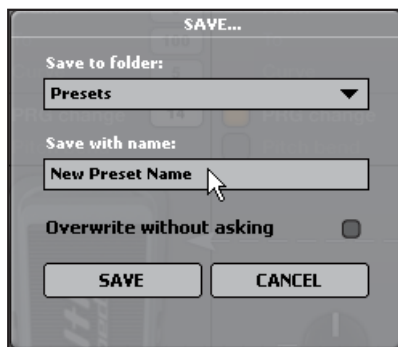


figure 4.2

To load a preset previously saved just click on the Preset menu (figure 4.3).

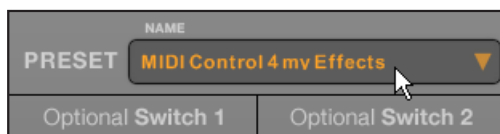


figure 4.3

StealthPedal™ CS MIDI Control

Now select a preset from the list (figure 4.4).

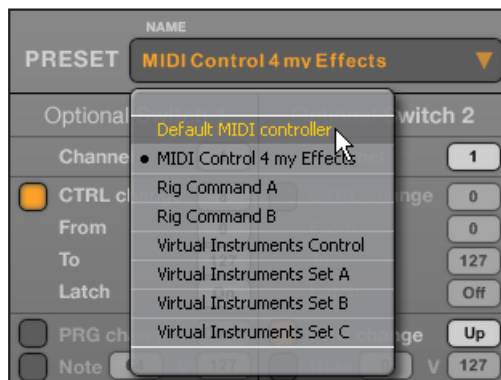


figure 4.4

If you need to delete a preset just load it and click on DELETE (figure 4.5).



figure 4.5

4.1 Presets Comments

It is possible to add a comment to each preset you save, to better describe it for future reference and info.

To add a comment to a preset just click in the Comments field and start typing (figure 4.6).

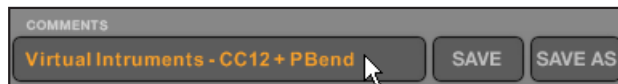


figure 4.6

When you finished entering your comment just save the Preset by pressing SAVE.

The StealthPedal MIDI Control application will automatically load last used preset at startup, so that you don't need to always recall a preset when starting the MIDI Control.

Chapter 5 Troubleshooting

I can't control my MIDI applications.

Are all StealthPedal drivers installed and properly working?

Is the StealthPedal MIDI Control application open and running? MIDI messages are NOT sent if this application is not running.

Is the input MIDI port on the application you're going to control set to "IK StealthPedal MIDI"?

Check the CONTROL ON button is pressed on the StealthPedal MIDI Control application.

I can't turn CONTROL ON even if I click on it.

Are all StealthPedal drivers installed and properly working?

Is the StealthPedal connected to a working USB port?

I can't adjust the audio output volume of the StealthPedal with the volume knob.

Set the StealthPedal knob on "StealthPedal Volume" on the StealthPedal MIDI Control application.

StealthPedal MIDI Control works, but I can't get audio from the StealthPedal.

Check the StealthPedal User Manual for additional and specific information on how the StealthPedal Audio Interface works.

StealthPedal™ CS MIDI Control

StealthPedal™ and AmpliTube® are trademarks or registered trademarks property of IK Multimedia Production Srl. All other product names and trademarks are the property of their respective owners, which are in no way associated or affiliated with IK Multimedia. Product names are used solely for the purpose of identifying the specific products that were studied during IK Multimedia's sound model development and for describing certain types of tones produced with IK Multimedia's digital modeling technology. Use of these names does not imply any cooperation or endorsement. Mac and the Mac logo are trademarks of Apple Computer, Inc., registered in the U.S. and other countries. Windows and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. QuickTime and the QuickTime logo are trademarks or registered trademarks of Apple Computer, Inc., used under license therefrom.

www.stealthpedal.com

IK Multimedia Production, Via dell'industria 46, 41122, Modena, Italy.

Phone: +39-059-285496 - Fax: +39-059-2861671

IK Multimedia US LLC, 1153 Sawgrass Corporate Pkwy. Sunrise, FL 33323

Phone: (954) 846-9101 - Fax: (954) 846-9077

www.ikmultimedia.com

All specifications are subject to change without further notice.

IK Multimedia. Musicians First.

