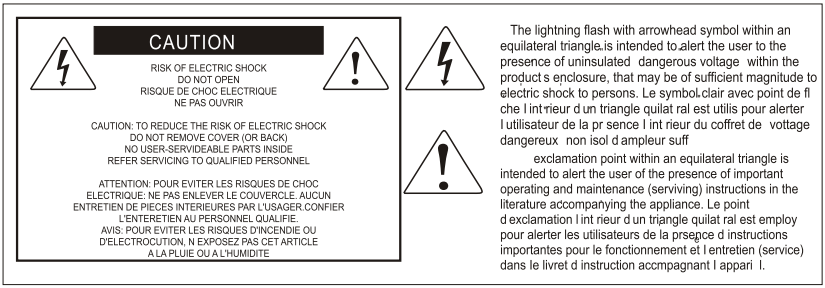
iCON

i-PAD

12 velocity-sensitive trigger pads with X/Y touchpad USB MIDI controller.

Owner's Manual



Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.

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Introduction

Thank you for purchasing the ICON iPad USB MIDI controller. We sincerely trust this product will provide years of satisfactory service, but if anything is not to your complete satisfaction, we will endeavor to make things right.

In these pages, you'll find a detailed description of the features of the iPad, as well as a guided tour through its front and side panels, step-by-step instructions for its setup and use, and full specifications.

You'll also find a warranty card enclosed. Please don't forget to fill it out and mail it so that you can receive online technical support at: www.icon-global.com. And so we can send you updated information about these and other ICON products in the future. As with most electronic devices, we strongly recommend you retain the original packaging. In the unlikely event the product must be returned for servicing, the original packaging (or reasonable equivalent) is required.

With proper care and adequate air circulation, your iPad will operate without any trouble for many years. We recommend that you record your serial number in the space provided below for future reference.

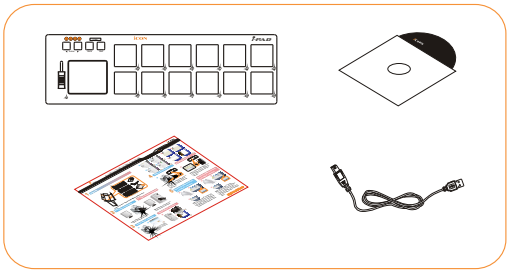
Please write your serial number here for future reference:

Purchased at:

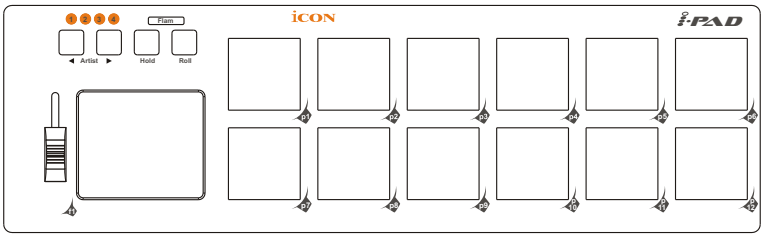
Date of purchase:

What's in the package?

- iPad USB MIDI controller x 1
- Software CD x 1
- Quick Start Guide
- USB2.0 Cable



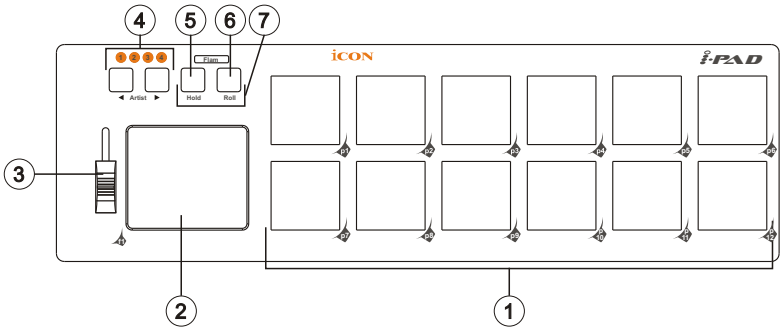
Features



Main features include:

- Extremely compact and designed to match the MacBook™
- 12 integrated velocity-sensitive trigger pads send MIDI notes or control data
- Multi velocity curves available for selection
- X/Y touchpad
- MIDI CC assignable fader to control CC such as volume
- "Artist" button for customizing 4 scenes for instant control of multiple applications
- "Hold", "Roll" and "Flame" feature buttons are build-in
- 2xUSB Connectors for daisy chain with any i-Series controllers
- Class-compliant with Windows XP, Vista (32 bit), and Mac OS X
- USB bus-powered
- iMap™ software included for easy mapping of MIDI functions.
- An aluminum cover, in different graphic designs and colors, is available as an option

Front Panel Layout



① **12 integrated velocity-sensitive trigger pads**
12 integrated velocity-sensitive trigger pads send MIDI notes or control data

② **X/Y TouchPad**
Assignable X/Y touchpad allows you to make various controls.

③ **Assignable Fader**
This programmable fader slides up and down to adjust linear MIDI parameters such as volume.

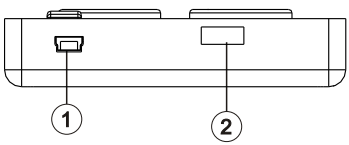
④ **Artist buttons**
Switching between the4 scenes for instant control of multiple applications.

⑤ **Hold button**
Press this button to "Hold" the last play note or effect.

⑥ **Roll button**
Activate this button to make a Roll drum effect.

⑦ **Flam button**
Activate this function (press both buttons Hold+Roll), it will provide a flam stroke effect.

Side Panel Layout



① **USB port (B-Type)**
Functions as a MIDI port to your notebook (or computer) and compatible software. Also provides power to your iPad.

② **USB port**
Use to daisy chain with the second unit of iPad or any i-series controllers such as iKey or iControls.

Getting Started

Connecting your iPad controller system

① **Connect the iPad to your Mac/PC via the USB port.**

Choose a USB port on your Mac/PC and insert the wide (flat) end of the USB cable. Connect the cable's small jack end to the iPad. Your Mac/PC should automatically "see" the new hardware and notify you that it is ready to use.

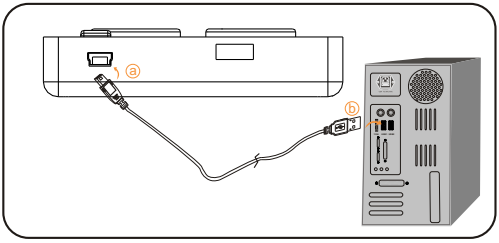


Diagram 1

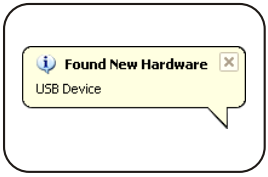


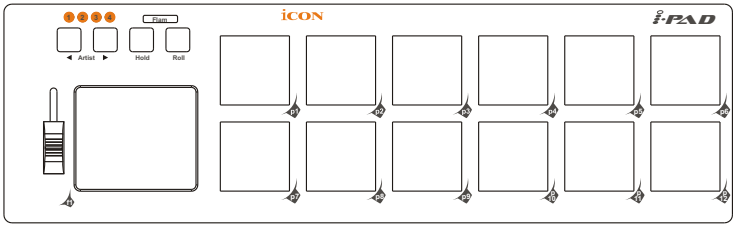
Diagram 2

② **Assign the MIDI messages to iPad**

Refer to page 10 for "Assign the MIDI functions with "iMap™" software"

Controller Features and Settings

Learning how to effectively and creatively use the functions on your iPad is simple.



Trigger Pads

There are twelve velocity-sensitive trigger pads on iPad. They can be set up to control any on/off or touch-sensitive functions, such as MIDI Machine Controls, drum sounds, pitched notes on any MIDI sound module or softsynth or any other non-linear functions.

Michael says: "The pads are very cool! They can do anything the keyboard can do. So, if you have music that uses pitches that you can play like a drum, simply assign those key-notes, via the CC number, to a pad and play the pads instead of having to play the keyboard. This is especially good for hits and percussive effects of all kinds."

X/Y Touchpad

The X/Y Pad allows you to manipulate any software function that allows visual/tactile user control and is enabled by the manufacturer. The pad will trace your finger movements, enabling you to create filter envelopes, waveforms or velocity curves, or to set pan, volume, effects or any other linear functions available in the software. Look in your software owner's manual for these options. There will be special instructions for using touchpads.

Artist buttons

Press these buttons to switch between the 4 pre-programmed scenes for different applications.

Effect buttons: Hold / Roll and Flam

These buttons allow you to introduce various playing effects.

Fader

This programmable fader allows you to adjust linear MIDI parameters such as volume.

Installing iMap™ Software for MAC OSX

Please follow the procedures below step-by-step to install your iMap™ software to Mac OS X

① **Turn on your MAC.**

② **Insert the Utility CD in your CD-Rom**

After you have inserted the CD into your CD-Rom, an installation CD icon should appear in desktop; click the icon to start the install wizard

Diagram 1

③ **Setup Wizard appear**

Setup wizard appears, please click "Continue"

Diagram 2

④ **Choose Install Location**

Select a destination to install iMap™ software to Mac OS X, then click "Continue"

Diagram 3

⑤ **Change Install Location**

If you want to change install location, please click "Change Install Location" button and select another location or just click "Install" button to continue.

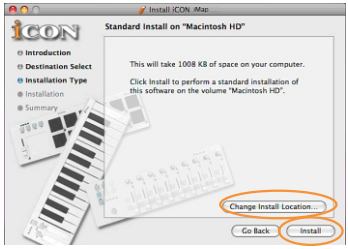


Diagram 4

⑥ Input Administrator information

To install iMap™ software, you need to input administrator user information, please input the name and password of administrator then click "Install" to continue.

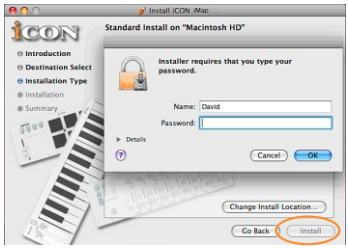


Diagram 5

⑦ Installation finished

Click "Close" to complete the iMap™ software installation.

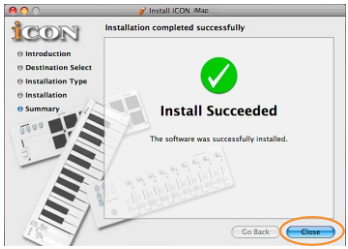


Diagram 6

Installing iMap™ Software for Windows

Please follow the procedures below step-by-step to install your iMap™ software.

① **Turn on your PC.**

② **Insert the Utility CD in your CD-Rom**

After you have inserted the CD into your CD-Rom, an installation screen should appear as shown in diagram 1; click "iMap™ installation".
(Note: If the installation screen not appear automatically go to the CD folder and double click on "Setup")

Diagram 1

③ **Setup Wizard appear**

Setup wizard appears, please click "Next"

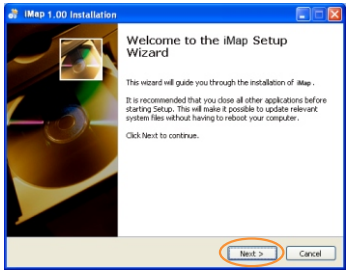


Diagram 2

④ **Choose Install Location**

Choose your preferred install location for iMap™ or use the default location and click "Next"

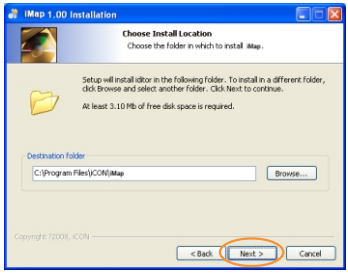


Diagram 3

⑤ **Select shortcut**

Select the start menu folder in which you would like to create the iMap™ shortcut. Then click "Next"

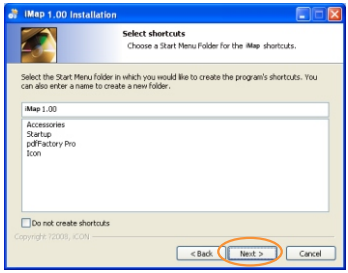


Diagram 4

⑥ Create a shortcut on your desktop

Please untick the box if you do not want to place a shortcut icon on your desktop for iMap™, otherwise click "Next"

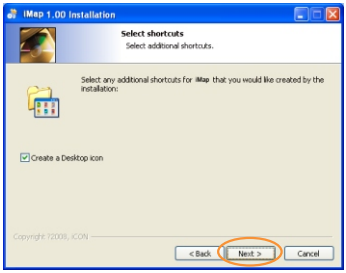


Diagram 5

⑦ iPad™ started to install

The iMap™ installation has now started, wait for it to finish. Then click "Finish"

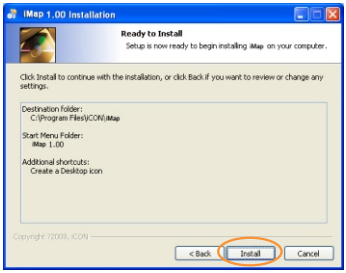


Diagram 6

⑧ Installation finished

Click "Finish" to complete the iMap™ software installation.

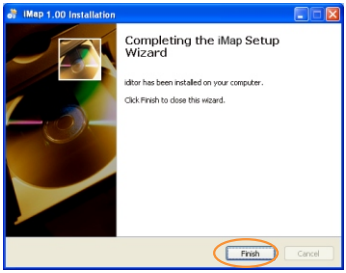


Diagram 7

Assigning MIDI functions with iMap™

You can use iMap™ to assign the MIDI functions of your iPad easily. Please launch the iMap™ software, a device selector screen will appear as shown in diagram 1. Then click the "iPad" button.

Diagram 1

Note: If your iPad is not connected to your Mac/PC, a message of "There are no MIDI input devices" will appear. Please connect iPad to your Mac/PC with the provided USB cable.

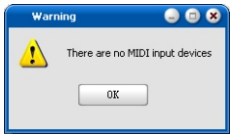
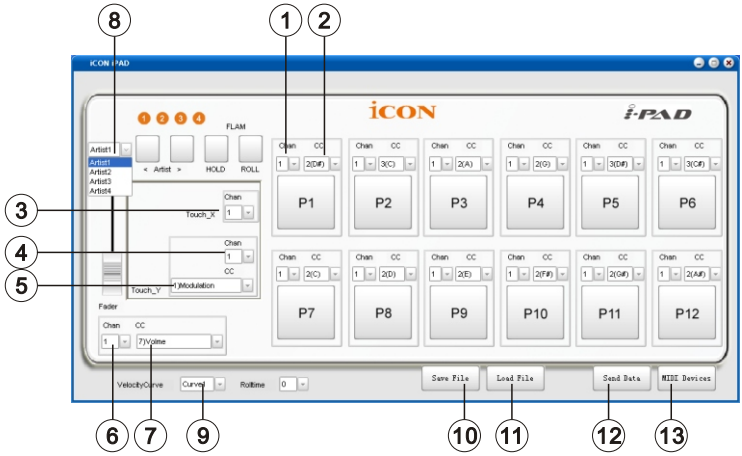


Diagram 2

iMap™ iPad software panel

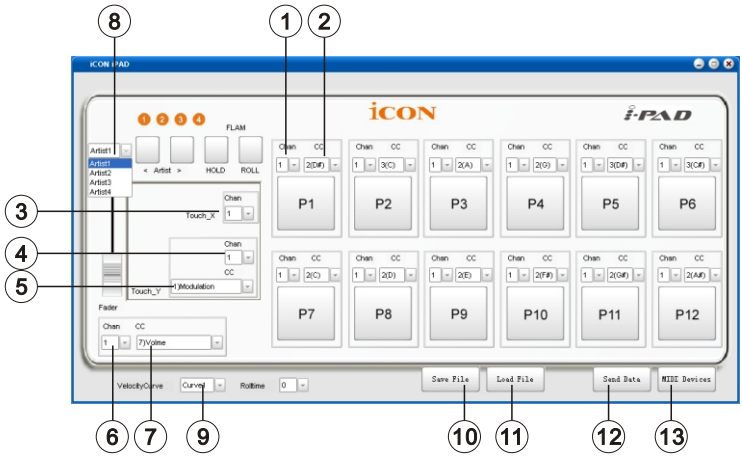


① **Assign the MIDI channels to the 12-trigger pads**
Select your desired MIDI channel from 1-16 for each of the 12-trigger pads with their corresponding pull-down menu.

② **Assign the CC value to the 12-trigger pads**
Select your desired CC number from -1(C) to 9(G#) in the pull-down menu for each trigger pad.

③ **Assign the MIDI channels to the X-touchpad**
Select your desired MIDI channel from 1-16 in the pull-down menu for the X-touchpad.

iMap™ iPad software panel(continues)



④ **Assign the MIDI channels to the Y-touchpad**
Select your desired MIDI channel from 1-16 in the pull-down menu for the Y-touchpad.

⑤ **Assign the CC value to the Y-touchpad**
Select your desired CC number from 0-127 in the pull-down menu for the Y-touchpad.

⑥ **Assign the MIDI channels to the fader**
Select your desired MIDI channel from 1-16 for the pitch bend touch pad.

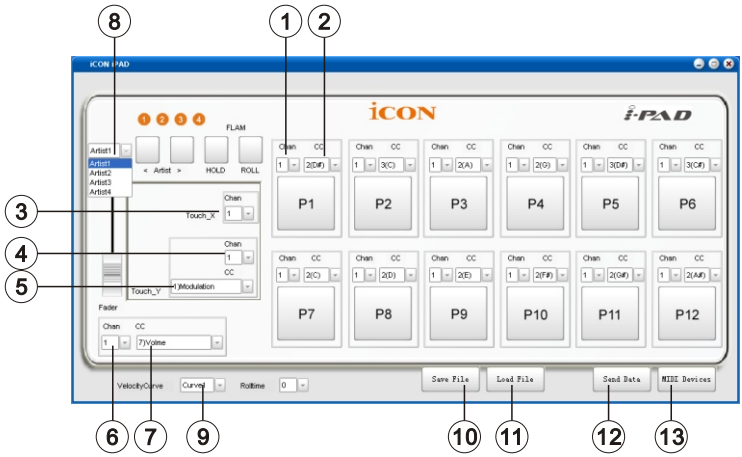
⑦ **Assign the CC value to the fader**
Select your desired CC number from 0-127 in the pull-down menu. The default is "07" as for Volume.

⑧ **Select the 4 difference Artist to do the settings for each Artist**
You may have 4 different "Artists" (scenes) for difference applications. Each "Artist" can have his own settings.

⑨ **Setting the Velocity Curve for your iPad**
There are 4 difference velocity curves for you to select. Please refer to P.12 for the velocity curve diagrams.

⑩ **"Save file" button**
Click this button to save your current settings for the iPad. The file is an ".icon" file.

⑪ **"Load file" button**
Click this button to load a previously saved ".icon" setting file for your iPad.



⑫ **"Send Data" button**

Click this button to upload the iMap™ software settings to your iPad via USB connection.

(Note: You must have connected your iPad to your Mac/PC, otherwise the settings upload will not be successful.)

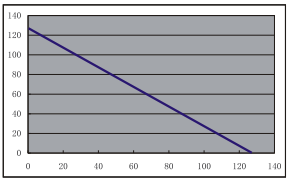
⑬ **"MIDI Devices" button**

Click this button, a MIDI device select window will appear as shown in diagram 1. Please select "ICON iPad" for the MIDI Out Devices.

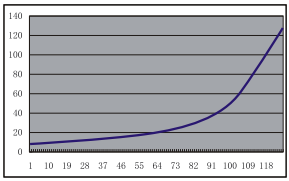
Diagram 1

Velocity Curves

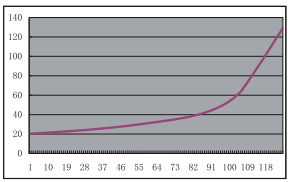
Velocity curves change the way a note played on the trigger pad will respond to fast, slow, heavy or light touch. Since different people have different playing styles, the iPad offers four different velocity curves to choose from. Some curves give a faster rise time, or onset of sound. Some give a smooth rise.



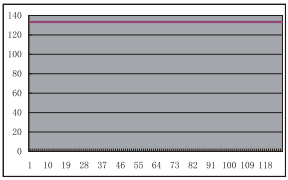
Velocity Curves 1



Velocity Curves 2



Velocity Curves 3



Velocity Curves 4

(Presets all contact with the pads to value of 127)

Restore the factory default settings

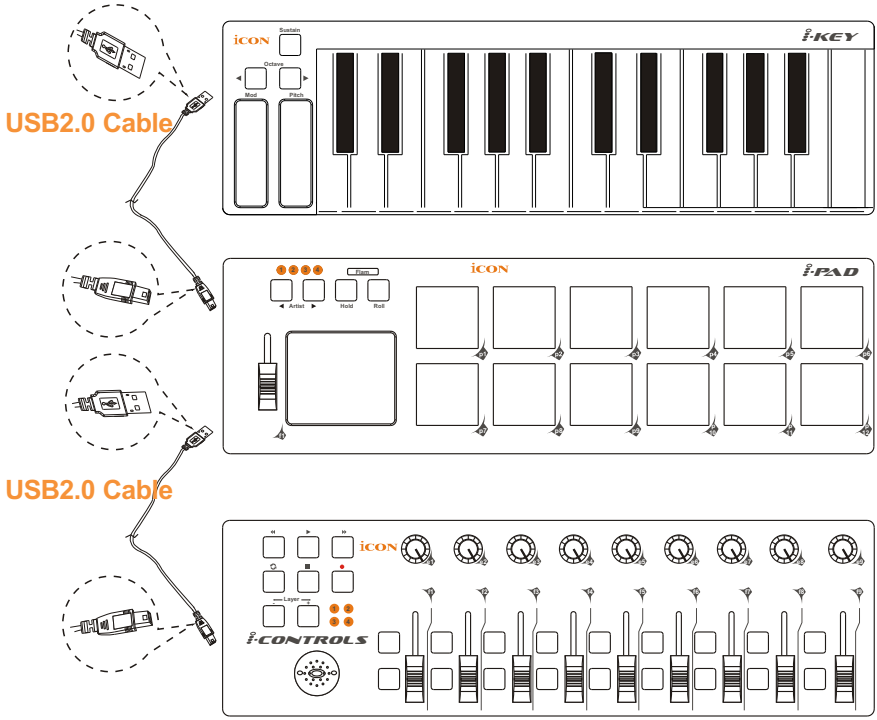
By holding down the buttons "Artist ◄ ", "Artist ► " and "Hold" together, the settings of the iPad will return to its factory default condition.

Daisy Chain with iPad or any i-series controllers

You may daisy chain up to 3 units of iPad or any i-series controllers.

① **Connect the first unit of iPad to your Mac/PC via the USB port.**
Choose a USB port on your Mac/PC and insert the wide (flat) end of the USB cable and the other small end (B-type USB pack) to iPad.

② **Connect the next units of iPad (or iKey/iControls)**
Insert the wide (flat) end of the USB cable to the first unit of iPad's second USB port and the other small end (B-type USB jack) to the second unit iPad's USB port. By following the same procedure, you may daisy chain with the 3rd unit of iPad (or iKey/iControls).



Specifications

Connector:	To computer	USB connector (mini B type)
	To i-series controller	USB connector (standard type)
Power supply:		USB bus power
Current consumption:		100mA or less
Weight:		0.62kg (1.36lb)
Dimensions:		325(L) X 99(W) X 20(H) 12.78"(L) x 3.78"(W) x 0.75"(H)

Appendix A
General MIDI Controller Numbers (MIDI CC'S)

00	Bank Select	46	Controller 46	92	Tremelo Depth
01	Modulation	47	Controller 47	93	Chorus Depth
02	Breath Control	48	Gen Purpose 1 LSB	94	Celeste (De-tune)
03	Controller 3	49	Gen Purpose 2 LSB	95	Phaser Depth
04	Foot Control	50	Gen Purpose 3 LSB	96	Data Increment
05	Porta Time	51	Gen Purpose 4 LSB	97	Data Decrement
06	Data Entry	52	Controller 52	98	Non-Reg Param LSB
07	Channel Volume	53	Controller 53	99	Non-Reg Param MSB
08	Balance	54	Controller 54	100	Reg Param LSB
09	Controller 9	55	Controller 55	101	Reg Param MSB
10	Pan	56	Controller 56	102	Controller 102
11	Expression	57	Controller 57	103	Controller 103
12	Effects Controller 1	58	Controller 58	104	Controller 104
13	Effects Controller 2	59	Controller 59	105	Controller 105
14	Controller 14	60	Controller 60	106	Controller 106
15	Controller 15	61	Controller 61	107	Controller 107
16	Gen Purpose 1	62	Controller 62	108	Controller 108
17	Gen Purpose 2	63	Controller 63	109	Controller 109
18	Gen Purpose 3	64	Sustain Pedal	110	Controller 110
19	Gen Purpose 4	65	Portamento	111	Controller 111
20	Controller 20	66	Sostenuto	112	Controller 112
21	Controller 21	67	Soft Pedal	113	Controller 113
25	Controller 25	68	Legato Pedal	114	Controller 114
26	Controller 26	69	Hold 2	115	Controller 115
27	Controller 27	70	Sound Variation	116	Controller 116
28	Controller 28	74	Cut-off Frequency	117	Controller 117
29	Controller 29	75	Controller 75	118	Controller 118
30	Controller 30	76	Controller 76	119	Controller 119
31	Controller 31	77	Controller 77	**Channel Mode Messages**	
32	Bank Select LSB	78	Controller 78	120	All Sound Off
33	Modulation LSB	79	Controller 79	121	Reset all Controllers
34	Breath Control LSB	80	Gen Purpose 5	122	Local Control
35	Controller 35	81	Gen Purpose 6	123	All Notes Off
36	Foot Control LSB	82	Gen Purpose 7	124	Omni Off
37	Porta Time LSB	83	Gen Purpose 8	125	Omni On
38	Data Entry LSB	84	Portamento Control	126	Mono On (Poly Off)
39	Channel Volume LSB	85	Controller 85	127	Poly On (Mono Off)
40	Balance LSB	86	Controller 86	**Additional Messages**	
41	Controller 41	87	Controller 87	128	Pitch Bend Sensitivity
42	Pan LSB	88	Controller 88	129	Fine Tune
43	Expression LSB	89	Controller 89	130	Coarse Tune
44	Controller 44	90	Controller 90	131	Channel Aftertouch
45	Controller 45	91	Reverb Depth		

Services

If your iPad needs servicing, follow these instructions.

1. Ensure the problem is not related to operation error or external system devices.

2. Keep this owner's manual. We don't need it to repair the unit.

3. Pack the unit in its original packaging including end card and box. This is very important. If you have lost the packaging, please make sure you have packed the unit properly. ICON is not responsible for any damage that occurs due to non-factory packing.

4. Ship to the ICON tech support center or the local return authorization.

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