miditech

i2-mini 32 plus

Owners`s manual

Manual v 1.0

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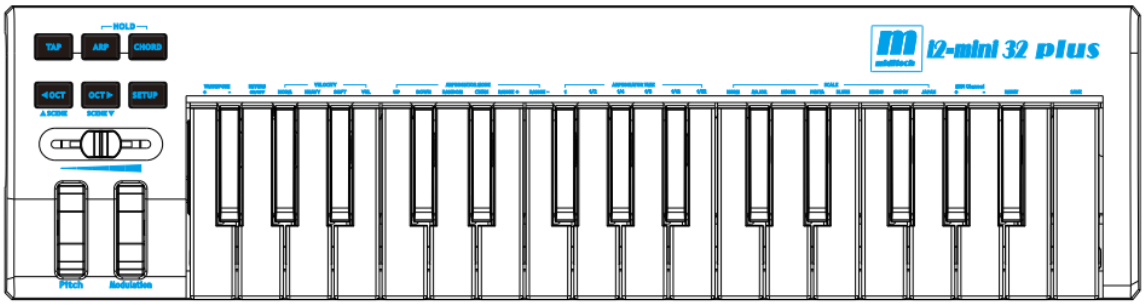

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(1) Preface

Congratulations on your purchase of the Miditech i2-mini 32 plus. The i2-mini 32 plus is a compact and powerful USB MIDI keyboard. In this small manual we introduce you to the i2-mini 32 plus functions and operation.

The i2-mini 32 plus offers you a 32-key miniature keyboard with medium-size velocity-sensitive keys. The keyboard has three induction points so that it can transmit and display dynamics more sensitively.

There are pitch and modulation wheels, a volume potentiometer, octave keys (Up & Down), a powerful arpeggiator, a chord mode key and a set key. The buttons can be used to control further functions and features of the i2-mini 32 plus. The left side has a pedal input socket, 3.5 mm MIDI OUT socket (adapter for DIN MIDI included), USB socket and power switch (USB or battery power supply).

The i2-mini 32 plus supports the Apple-Mac OSX system and the Microsoft Windows system class compliant, i.e. no USB drivers have to be installed, the system can identify the MIDI keyboard immediately.

(2) What's in the Box?

1.i2-mini 32 plus force sensing 32 key keyboard USB MIDI controller.

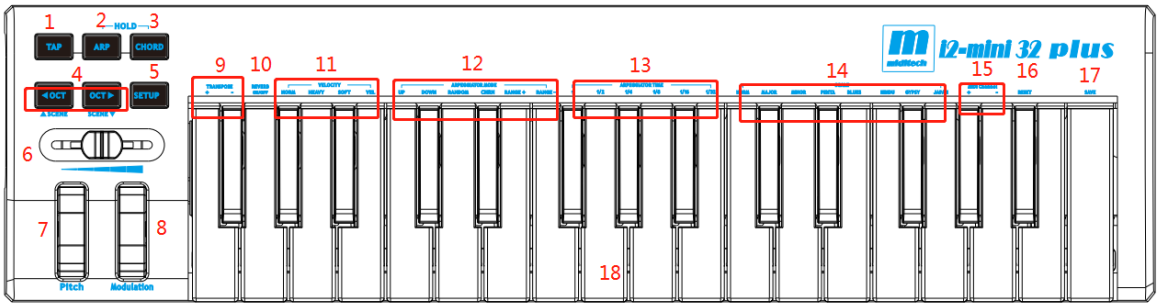
2.A standard manual.

3.A standard USB wire.

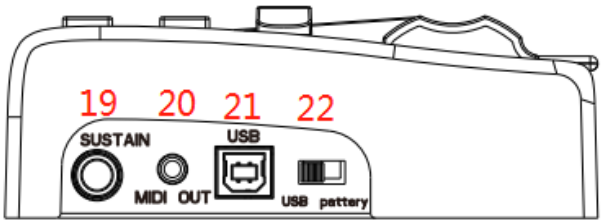
4.A 3.5mm MIDI Cable

(3) Panel overview：

3.1 Front panel overview



3.2 Left side panel overview



Function of the serial number
(1) Metronome (TAP) (2) Arpeggiator (ARP) (3) Chord (4) Octave buttons(DOWN& UP) (5) Setup (6) Volume clipper potentiometer (7) Pitch wheel (8) Modulation wheel (9) Transpose+/- (10) REVERB(ON/OFF) (11) Velocity Curve(NORM/HEAVY/SOFT/VEL) (12) Arpeggiator mode(ARP MODE) (13) Arpeggiator time(ARP TIME) (14) Keyboard Scale(SCALE) (15) MIDI Channel (16) Reset (17) Save (18) 32 - Three induction points keyboard (19) Pedal switch(SUSTAIN) (20) 3.5mm MIDI OUT (21) USB-B (22) Power switch (USB / dry battery)

(4) Functions overview：

4.1 TAP tempo

Edit arpeggio rhythm tempo。After opening the “ARP”, “TAP” LED will be flash Blue, flashing rate associated with the current tempo, the user can repeat press this button (“TAP”) adjust the tempo, repeated press rate is proportional to the tempo, the press rate faster, the faster tempo rhythm, LED blink rate faster, the faster the arpeggio sends, conversely the more slowly.

4.2 Arpeggiator(ARP):

Arpeggiator switch，When press the button to open the arpeggios, LED light Green, press the button, once again and arpeggio function will be closed, the LED put out, after the arpeggiator is ON, can be used together with the keyboard。Arpeggio function:

If the current press the keyboard of C2, will send C2, C3, C2,C3.....;If the current press D3 keys, will send D3, D4, D3, D4.....

4.3 CHORD:

press the “CHORD” , Chord is ON, LED light Sky blue. Press the button again, close the chord function, LED put out. In chord mode, through "the OCTAVE" and "OCTAVE >" button to change different chords, chord types including "Major", "Minor", "Minor 6", "Minor 7", "Augmented", "Major 6", "Major 7" , "Suspended ", "Diminished" .

4.4 Octave buttons(DOWN& UP):

Octave buttons(DOWN& UP)，can be used to enlarge the 0-key to 88-key or more。Everytime to reduce or increase an octave(the default value of 4)，

1. To reduce an octave (octave value less than 4)”OCTAVE UP” LED lights;
2. To increase an octave (octave is greater than 4)”OCTAVE DOWN”LED lights;
3. Octaves Value is 4，”OCTAVE UP” LED and ”OCTAVE DOWN”LED will put out。At the same time press ”OCTAVE DOWN” & “OCTAVE UP” buttons，the octaves value return to the default value(4)。
4. Colors: Octave up LED : Green-octave 0 , Red - 1 , Blue – 2 , Yellow – 3

   Octave down LED : Yellow – 5 , Blue – 6 , Red – 7 , Green - 8

4.5 SETUP:

Composite keyboard mode switch, When press “SETUP” button, not loosen，LED light Yellow, the composite keyboard mode is ON, then press any keyboards and will make can reuse functions. For example : “SETUP” is ON, press the keys of the first (Transpose +), can Transpose +1.

Loosen the “SETUP” button will exit composite keyboard mode.

4.6 Volume clipper potentiometer :

The potentiometer can adjust the MIDI volume, adjust the volume potentiometer will transmit the MIDI messages.

4.7 Pitch wheel :

Pitch wheel: Transmits MIDI Pitch Bend information to raise or lower the pitch of a note temporarily.

4.8 Modulation wheel:

Modulation wheel: This wheel can be used to transmit continuous controller data (CC #1 or Modulation Depth).

4.9 Transpose+/-:

It is possible to transpose up or down by as much as 12 MIDI notes ,"SETUP" LED flash yellow once

4.10 REVERB ON/OFF:

It is open and closed reverberation function , "SETUP" LED flash green once when Reverb OFF , flash red once when Reverb ON.

4.11 VELOCITY Curve (NORM/HEAVY/SOFT/VEL):

Choose velocity curve (standard/heavy/light/vel), the user can choose according to personal feel the velocity of the corresponding curve, "SETUP" LED flash yellow once.

Ps. VEL is no change in velocity , all are max velocity 127

4.12 ARP MODE：

When the "ARP" is ON , "ARP" LED light green.

UP: Up mode, the arpeggiator will play the notes in increasing chromatic order. If a Cmaj chord is played, the pattern would be: C, E, G, C, E, G, …..

DOWN: Down mode, the arpeggiator will play the notes in decreasing chromatic order. If a Cmaj chord is played, the pattern would be: G, E, C, G, E, C, …..

RANDOM:RANDOM mode, arpeggiator playing notes random broadcast, not according to the notes in order to play, random play the notes.

CHRN: Order mode, the arpeggiator will play back the notes in the order that they were pressed. If the following notes were pressed and held in this order: C, G, E, B. The output of notes would follow that order and playback: C, G, E, B, C, G, E, B, C, G, E, B……

RANGE+: Arpeggiator octave+1，since the default value(1) + 1, a maximum of 4。When the arpeggiator octave is 1，arpeggiator sent two notes. Press the "RANGE+"，arpeggiator octave+1，the notes add an octave，then sent three arpeggio notes at the same time。For example, the arpeggiator octave is 1, sent C2,C3; The arpeggiator octave is 2, sent C2,C3,C4; The arpeggiator octave is 3, sent C2,C3,C4,C5…….

RANGE- : Arpeggiator octave-1， a minimum of 1。When the arpeggiator octave is 2，arpeggiator sent three notes. Press the "RANGE-"， arpeggiator octave-1，the notes reduce an octave，then sent two arpeggio notes at the same time。For example, the arpeggiator octave is 1, sent C2,C3; The arpeggiator octave is 2, sent C2,C3,C4; The arpeggiator octave is 3, sent C2,C3,C4,C5…….

"SETUP" LED flash yellow once.

4.13 Arpeggiator time(ARP TIME):

When the "ARP" is ON, ARP TIME---1~1/32:These keyboards are adjust fixed time for arpeggiator. Arp time: play arpeggiator notes of frequency. Here with the QN said that if

QN is a crotchets, so are defined as follows:

1 note = QN

1/2 note = (QN/2)

1/4 note = (QN/4)

1/8 note = (QN/8)

1/16 note = (QN/16)

1/32 note = (QN/32)

”SETUP” LED flash yellow once

4.14 Keyboard Scale (SCALE):

Keyboard Scale, a group of 12 key note the order of keys in C ~ B , ”SETUP” LED flash yellow once.

Scale No.	Pitch name	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
	Note number:	1	2	3	4	5	6	7	8	9	10	11	12
001	Major Scale	C	C	D	D	E	F	F	G	G	A	A	B
004	Minor Scale	C	C	D	D#	D#	F	F	G	G#	G#	A#	A#
002	Pentatonic Maior Scale	C	C	D	D	E	E	E	G	G	A	A	A
003	Blues Major Scale	C	C	D#	D#	F	F	F#	G	G	A	A	A
026	Hindu Scale	C	C	D	D	E	F	F	G	G#	G#	A#	A#
024	Gypsy Scale	C	C#	C#	E	E	F	F	G	G	A	A#	A#
028	Japanese Scale	C	C#	C#	C#	F	F	F	G	G#	G#	G#	G#

4.15 MIDI Channel +/-:

It can change the midi channel for i2-mini 32 plus , ”SETUP” LED flash yellow once. midi channel number: 0 ~ 15 .

4.16 RESET:

When the ““OCTAVE DOWN” or “OCTAVE DOWN” or “TAP” or “ARP” or “VEL” or ”CHORD” has change， If you press “RESET” , the parameters will be reset to the default state, all LEDs flashes red twice.

4.17 SAVE:

If you press “SAVE” , the parameters will be saved in the i2-mini 32 plus , all LEDs flashes green twice.

4.18 32 - keyboard (Three triggered keyboard):

The 32-keyboard has three induction points , it can make the force change more sensitive and delicate , more obvious when playing softly .

4.19 Pedal switch (SUSTAIN):

Connect the pedal to the pedal jack, if on the pedal, it can make the pedal MIDI value.

4.20 3.5 mm MIDI OUT :

3.5mm MIDI port replace traditional MIDI port.

4.21 USB - B:

There will be a USB jack on the side of the unit. The unit will be a class compliant with both Mac and PC. It will mount as a USB-MIDI device. The unit will be fully powered by USB.

4.22 POWER SWITCH :

It can change the power supply mode is USB or dry battery.

(5) Minimum System Requirements

If you are using your i2-mini 32 plus with a computer, the following minimum system requirements are needed:

Windows	Mac OS
Pentium 3 800MHz or higher	Macintosh G3*800/G4*733MHzor higher
CPU requirement may be higher laptops	CPU requirement may be higher for laptops
256 MB RAM	OS X 10.3.9 with 256MB RAM
Direct X 9.0b or higher	OS X 10.4.2 or greater with 512 MB RAM
Windows XP(SP2) or higher	*G3/G4 accelerator cards are not supported.
Windows 98,Me,NT or 2000 not supported	

(Attention: Window98/ME or 2000 are not supported)

MIDITECH suggests that you connect directly to your computer built in USB ports.

***Design and specifications subject to change without**

***No liability for printing mistakes**

Safety instructions

Please read the following instructions before using the Miditech product. Please download the product manual from our homepage www.miditech.de !

This product is manufactured for

Miditech International
Max-Planck-Str. 35
50931 Köln / Cologne
E-Mail: info@miditech.de
Internet: www.miditech.de
WEEE-Reg.-Nr. DE 66194633

Normal usage of this product:

This product is designed for use as an input device, USB converter or sound generator in a computer or musical instrument environment. The device may only be used for this purpose and in accordance with the operating instructions. The detailed operating instructions can be found on our homepage www.miditech.de. Other uses and the use of our products under other operating conditions are expressly not intended and may lead to damage to property or personal injury! No liability is accepted for damage resulting from improper use.

IMPORTANT RECOMMENDATIONS:

Operating conditions

Do not use the keyboard near water, like a swimming pool, bathtub or in wet environment like rain. Do not use the keyboard near heating elements like a radiator, in high temperatures or in the sun. Use the product only on your desk and in a dry environment. Do not throw the product.

DANGER! Electric shock due to short circuit

The device must not be used as soon as damage or the absence of components, protective devices or housing parts is noticed! Avoid getting the device wet. This can damage the electronics and there is a risk of electric shock or fire. Do not modify the power cord or USB cable.

DANGER! FIRE HAZARD! Ensure that the product is adequately ventilated to prevent overheating and possible ignition. Also, do not smoke or handle open flames near the product. This may cause the plastic to ignite.

DANGER! Hearing damage due to volume

Our products have a lot to do with the production and reproduction of music and recordings. Please note that excessive volume levels can damage your hearing!

DANGER for babies and children

Ensure that children never use the product unattended! Children should not operate the product unattended. If small parts such as buttons or potentiometers become detached from the product, they can be swallowed by small children. Foils and packaging must be disposed of properly. There is a danger of suffocation for

Cleaning the Miditech product

Only use a dry cloth for cleaning and suitable plastic cleaners, never aggressive cleaners or alcohol. Disconnect the device from the power supply before use.

Protection of the environment and correct disposal

Information for consumers on the disposal of old electrical appliances

If this symbol is on the packaging, the packaging of the product can be disposed of in the local recycling process.

Miditech products should not be disposed of with normal household waste. This applies to all electrical and electronic equipment. Within the scope of your national regulations and guidelines, please take old appliances to the appropriate collection points or return them to your dealer for proper disposal.

By properly disposing of the equipment, they help to protect resources and prevent negative effects on human and animal health. For more information on collecting and recycling electrical equipment, please contact your local government.

This information also applies to business users in the EU. For countries outside the EU, please contact your local authorities or your dealer and ask for the appropriate disposal method.