



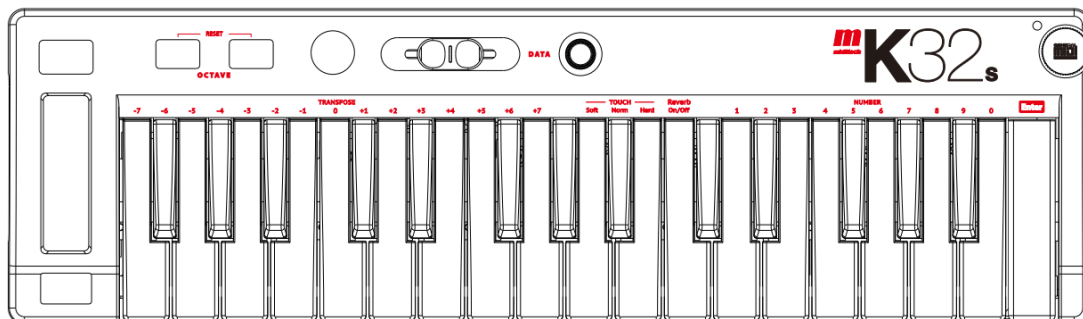
miditech

K32s

Owner's Manual



USB masterkeyboard with General MIDI sound engine



Manual V.1.0 – 29.09.2019

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(1) Preface

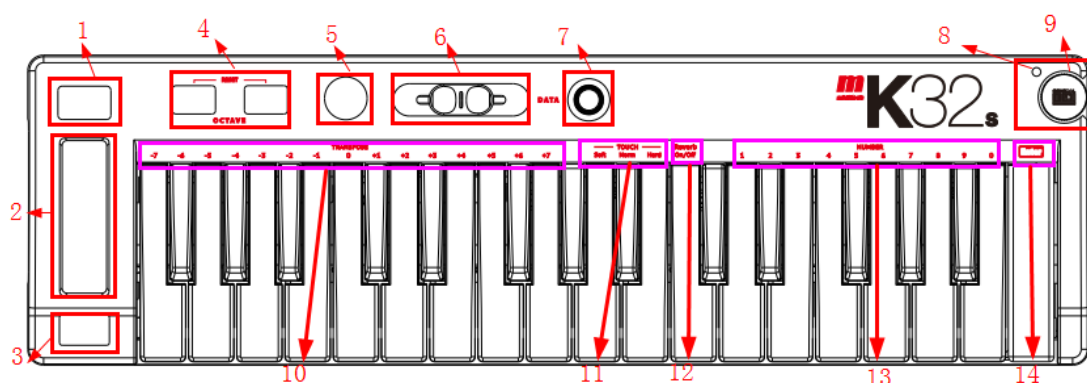
Congratulations on your purchase of MIDITECH K32s. K32s is a petite appearance and powerful MIDI keyboard, portable and powerful MIDI function, is a cost-effective products, worth you have. Next to introduce K32s function and operating, it set powerful MIDI functions, Includes 32 key miniature keyboard, touch pitch bend , clipper potentiometer, unlimited rotation data regulator , octave buttons (Up & Down), setup button(Shift) and two PAD . The keyboard of composite function, includes transpose (-7 ~ 0 ~ +7), reverberation function selection, three velocity curves and number 0~9 . Left pannel have pedal input jack , USB socket and phone out . K32s comes with MIDI sound source to support external amplifier or headphone output. You can play internal GM sound when USB cable connected or you can play internal GM sound without USB cable connecting just use 3 of "Rechargeable" Ni-MH AA batteries (not include) also can charge Ni-MH AA batteries when USB cable connected . K32s support apple system and the Microsoft Windows XP/7/8 system, do not need to install the USB driver, the system can directly identify the MIDI USB devices.

(2) What's in the Box?

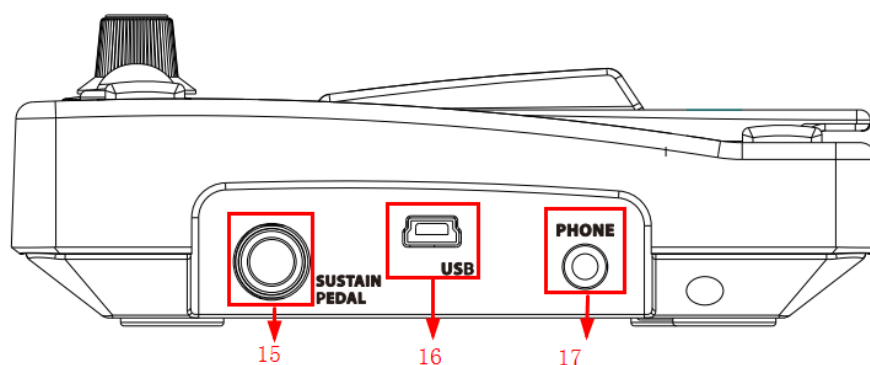
- 1.K32s force sensing 32 key keyboard USB MIDI controller.
- 2.An owner's Manual.
- 3.A Mini USB wire.

(3) Panel overview :

3.1 Front pannel overview



3.2 Left pannel overview



Function of the serial number
(1) PAD1
(2) Touch Pitch Bend
(3) PAD2
(4) Octave buttons(DOWN& UP)
(5) Shift button
(6) Clipper potentiometer (Slider)
(7) Unlimited rotation data regulator(Encoder)
(8) Electricity LED
(9) Power switch with volume regulator
(10) Composite function :Transpose -7~0~+7
(11) Composite function :Velocity curve
(12) Composite function :Reverb ON/OFF
(13) Composite function : Number 0~9
(14) Composite function : Enter Key
(15) Sustain pedal Jack
(16) Mini USB Jack
(17) 3.5mm Headphone Jack

(4) Functions overview :

4.1 PAD1:

This button has two modes :

1. Modulation Wheel.
2. Sustain ON/OFF.

Switch to Modulation : “Shift” button and “PAD1” are pressing until “Shift” LED flash red.

Switch to Sustain : “Shift” button and “PAD1” are pressing until “Shift” LED flash blue.

4.2 Touch Pitch Bend wheel:

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

4.3 PAD2:

This button has two modes :

1. Modulation Wheel.
2. Sustain ON/OFF.

Switch to Modulation : “Shift” button and “PAD2” are pressing until “Shift” LED flash RED.

Switch to Sustain : “Shift” button and “PAD2” are pressing until “Shift” LED flash BLUE.

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 DOWN” LED light:
 - 3, “OCTAVE DOWN” LED light YELLOW
 - 2, “OCTAVE DOWN” LED light CYAN
 - 1, “OCTAVE DOWN” LED light PURPLE
2. To increase an octave (octave is greater than 4)“OCTAVE UP”LED light:
 - 5, “OCTAVE UP” LED light YELLOW
 - 6, “OCTAVE UP” LED light CYAN
 - 7, “OCTAVE UP” LED light PURPLE
3. When Octaves Value is 4, “OCTAVE UP” LED and “OCTAVE DOWN”LED light down . At the same time press “OCTAVE DOWN” & “OCTAVE UP” buttons, the octaves value return to the default value(4)。

4.5 Shift:

Composite function button, When Press and hold down “Shift”, LED light YELLOW, the composite function is ON (Release the button is OFF):

1. “Shift” + Encoder : Change to GM Sound (1~128 or 211~215) of MIDI channel 1.
(Turn left is reduction)
2. “Shift” + “OCTAVE DOWN” : To reduce GM Sound of MIDI channel 1.
3. “Shift” + “OCTAVE UP” : To increase GM Sound of MIDI channel 1.
4. “Shift” + (“PAD1” / ”PAD2”) : Switch with Modulation / Sustain of PAD1/PAD2.

5. "Shift" + Keyboard's <Transpose -7~0~+7 > : Change to MIDI notes transpose.
6. "Shift" + Keyboard's <Touch Soft ~ Hard > : Change to MIDI notes velocity curve (normal curve is default).
7. "Shift" + Keyboard's <Reverb ON/OFF > :Reverb ON/OFF for internal GM sound.(off~50%~100% : "Shift" LED --- 50% with 100% light GREEN , off light RED)
8. "Shift" + Keyboard's <Number 0~9 > : Change to GM Sound (1~128 or 211~215) of MIDI channel 1. For example , change to GM Sound 120 , "Shift" is ON , + "Number 1" first , "Number 2" second , then "Number 0" , press "Enter" in the end , "Shift" LED Flash GREEN.

The Number in 1~128 or 211~215 , press "Enter" , "Shift" LED flash correct color GREEN.

On the other wise , "Shift" LED flash wrong color RED.
9. "Shift" + "OCTAVE DOWN" + "OCTAVE UP" : Hold on these buttons for 2 second . Save the changed parameters. "Shift" , "OCTAVE DOWN" and "OCTAVE UP" LED flash PURPLE.
10. "Shift" + "PAD1" + "PAD2" : Hold on these buttons for 3 second . Reset the changed parameters. "Shift" , "OCTAVE DOWN" and "OCTAVE UP" LED flash RED.

4.6 Clipper potentiometer (Slider):

The potentiometer can adjust the specific MIDI controller message. K32s send CC #15Hex.

And send TVF cutoff freq modify for internal GM sound.

4.7 Unlimited rotation data regulator (Encoder):

Unlimited rotation data regulator to send specific MIDI controller message, K32s send CC #16Hex . When "Shift" is on , change to GM Sound.

4.8 Electricity LED:

When "Rechargeable" Ni-MH batteries installed:

1. Electricity 50%~100% light GREEN .
2. Electricity 20%~50% light YELLOW.
3. Electricity 0%~20% light RED.

When K32s charging and power switch is OFF, electricity LED flash.

4.9 Power switch with volume regulator:

Power switch when battery-powered .(Turn right is ON)

Adjust the internal GM sound volume , turn right for volume up , turn left for volume down.

4.10 Composite function :Transpose -7~0~+7:

"Shift" + Keyboard's <Transpose -7~0~+7 > : Change to MIDI notes transpose

4.11 Composite function :Velocity curve:

Change to MIDI notes velocity curve (normal curve is default)

4.12 Composite function :Reverb ON/OFF:

Reverb ON/OFF for internal GM sound.(off~50%~100% : “Shift” LED --- 50% with 100% light GREEN , off light RED).

4.13 Composite function : Number 0~9:

Change to GM Sound (1~128 or 211~215) of MIDI channel 1. For example , change to GM Sound 120 , “Shift” is ON , + “Number 1” first , “Number 2” second , then “Number 0” , press “Enter” in the end , “Shift” LED Flash GREEN.

The Number in 1~128 or 211~215 , press “Enter” , “Shift” LED flash correct color GREEN. On the other wise , “Shift” LED flash wrong color RED

4.14 Composite function : Enter Key:

Refer to 4.13.

4.15 Sustain pedal Jack:

Connect to the pedal jack.

4.16 Mini USB Jack:

Connect to the mini USB wire . K32s is power for USB and charging when “Rechargeable” Ni-MH batteries installed.

4.17 3.5mm Headphone Jack:

Connect to the headphone . External speaker mute of K32s when connect to the headphone.

(5) System and Specifications:

5.1 Minimum System Requirements:

If you are using your K32S with a computer, the following minimum system requirements need:

Windows	Mac OS
Pentium 3 800MHz or higher	Macintosh G3*800/G4*733MHz or 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.

5.2 Specifications:

Connectors : • Mini USB connector (for computer connection)

- Sustain Pedal connector
- 3.5mm Stereo Audio Headphone Jack(for internal GM sound)

Power Supply : USB bus power mode 500mA or less 3.6V (Rechargeable Ni-HM*
1.2v x 3) for Internal GM sound only * Nickel metal hydride (Ni-MH)

Dimensions (WxDxH) : 22.24 × 5.47 × 2.13 inches / 424 × 117 × 31 mm

Weight : 2.20 lbs. / 1 kg (Battery not include)

(6) GM Sound list:

GM Sound list :

- | | | |
|------------------------|-----------------------|------------------------|
| 1. Grand Piano | 47. Orchestral Harp | 93. Pad 5 (bowed) |
| 2. Bright Piano | 48. Timpani | 94. Pad 6 (metallic) |
| 3. E.Grd Piano | 49. String Ensemble 1 | 95. Pad 7 (halo) |
| 4. Honky Piano | 50. String Ensemble 2 | 96. Pad 8 (sweep) |
| 5. E.Piano 1 | 51. Synth Strings 1 | 97. FX 1 (rain) |
| 6. E.Piano 2 | 52. Synth Strings 2 | 98. FX 2 (soundtrack) |
| 7. Harpsichord | 53. Choir Aahs | 99. FX 3 (crystal) |
| 8. Clavi | 54. Voice Oohs | 100. FX4 (atmosphere) |
| 9. Celesta | 55. Synth Voice | 101. FX 5 (brightness) |
| 10. Glockenspiel | 56. Orchestra Hit | 102. FX 6 (goblins) |
| 11. Music Box | 57. Trumpet | 103. FX 7 (echoes) |
| 12. Vibraphone | 58. Trombone | 104. FX 8 (sci-fi) |
| 13. Marimba | 59. Tuba | 105. Sitar |
| 14. Xylophone | 60. Muted Trumpet | 106. Banjo |
| 15. Tubular Bells | 61. French Horn | 107. Shamisen |
| 16. Santur | 62. Brass Section | 108. Koto |
| 17. Drawbar Organ | 63. Synth Brass 1 | 109. Kalimba |
| 18. Percussive Organ | 64. Synth Brass 2 | 110. Bag pipe |
| 19. Rock Organ | 65. Soprano Sax | 111. Fiddle |
| 20. Church Organ | 66. Alto Sax | 112. Shanai |
| 21. Reed Organ | 67. Tenor Sax | 113. Tinkle Bell |
| 22. Accordion | 68. Baritone Sax | 114. Agogo |
| 23. Harmonica | 69. Oboe | 115. Steel Drums |
| 24. Tango Accordion | 70. English Horn | 116. Woodblock |
| 25. Ac. Guitar (nylon) | 71. Bassoon | 117. Taiko Drum |
| 26. Ac. Guitar (steel) | 72. Clarinet | 118. Melodic Tom |
| 27. El. Guitar (jazz) | 73. Piccolo | 119. Synth Drum |
| 28. El. Guitar (clean) | 74. Flute | 120. Reverse Cymbal |
| 29. El. Guitar (muted) | 75. Recorder | 121. Gt. Fret Noise |
| 30. Overdriven Guitar | 76. Pan Flute | 122. Breath Noise |
| 31. Distortion Guitar | 77. Blown Bottle | 123. Seashore |
| 32. Guitar harmonics | 78. Shakuhachi | 124. Bird Tweet |
| 33. Acoustic Bass | 79. Whistle | 125. Teleph. Ring |
| 34. Finger Bass | 80. Ocarina | 126. Helicopter |
| 35. Picked Bass | 81. Lead 1 (square) | 127. Applause |
| 36. Fretless Bass | 82. Lead 2 (sawtooth) | 128. Gunshot |
| 37. Slap Bass 1 | 83. Lead 3 (calliope) | |
| 38. Slap Bass 2 | 84. Lead 4 (chiff) | [Drum Set] |
| 39. Synth Bass 1 | 85. Lead 5 (charang) | 211. STANDARD SET |
| 40. Synth Bass 2 | 86. Lead 6 (voice) | 212. POWER SET |
| 41. Violin | 87. Lead 7 (fifths) | 213. BRUSH |
| 42. Viola | 88. Lead8 (bass+lead) | 214. ORCHESTRA |
| 43. Cello | 89. Pad 1 (fantasia) | 215. CM -64/32 |
| 44. Contrabass | 90. Pad 2 (warm) | |
| 45. Tremolo Strings | 91. Pad 3 (polysynth) | |
| 46. Pizzicato Strings | 92. Pad 4 (choir) | |





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

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E-Mail: info@miditech.de
Internet: www.miditech.de
General Manager: Costa Naoúm
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 children.

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.