TC·HELICON

MP-76

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Product	MP-76
Product (firmware) version	1.0
Document	English Manual
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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 a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer'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. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Caution

You are cautioned that any change or modifications not expressly approved in this manual could void your authority to operate this equipment.

Service

► All service must be performed by qualified personnel.

Warning

► To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
► Do not install this device in a confined space.

EMC/EMI

Electromagnetic compatibility/
Electromagnetic interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules.

These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

▶ Reorient or relocate the receiving antenna.
▶ Increase the separation between the equipment and receiver.
▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
▶ Consult the dealer or an experienced radio/TV technician for help.

For customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Explanation of graphic symbols

The lightning bolt triangle is used to alert the user to the presence of uninsulated "dangerous voltages" within the unit's chassis that may be of sufficient magnitude to constitute a risk of electric shock to humans.

The exclamation point triangle is used to alert the user to presence of important operating and service instructions in the literature accompanying the product.

About this manual

This manual will teach you everything you need to know about your new MP-76 Modern Performance Microphone with Mic Control.

This manual is only available as a PDF download from the TC-Helicon website.

Of course, you can print this manual, but we encourage you to use the PDF version, which has both internal and external hyperlinks. For example, clicking the TC-Helicon logo in the upper left corner of each page will take you to the table of contents.

To get the most from this manual, please read it from start to finish, or you may miss important information.

To download the most current version of this manual, visit

tc-helicon.com/products/mp-76/support/

Enjoy your TC-Helicon product.

Introduction

Thank you for purchasing a TC-Helicon MP-76 multi-switch microphone!

We're super excited to be able to bring you such amazing control over vocal presets, effects and looping.

Being mobile on stage is a huge component of an engaging presentation for your audience. With MP-76 and its four buttons, you can access a ton of aspects of your vocal processor without being tied to a single stage location.

Thanks,

The TC-Helicon Team

Features
► Super-cardioid pickup pattern
► Excellent pop and breath noise rejection
► Superior background noise rejection and resistance to feedback
► Lismer™ dynamic capsule voiced for "close-up" microphone technique
► Suspended dual shock mount for low handling noise
► Mic Control circuit with four buttons for controlling TC-Helicon vocal effects
► Rugged and ergonomic design

Setup

Ready…

The MP-76 box should contain the following items:

► 1 **MP-76 microphone**
► 1 **Microphone clip**
► 1 **Carrying case**

Inspect all items for signs of transit damage. In the unlikely event of transit damage, inform the carrier and supplier.

If damage has occurred, keep all packaging as it can be used as evidence of excessive handling force.

Set…

► Connect your MP-76 to the next device in the signal chain using an XLR cable.
► You're done!

Cable recommendations

Each MP-76 compatible product has slightly different setup options, but there is one common thing to consider:

The recommended cable length between your TC-Helicon device and MP-76 should be **25 feet/7.5 meters or less**. Cable runs greater than 25 feet/7.5 meters, or cables shorter than 25 feet/7.5 meters that connects to a snake may cause line noise and/or cause Mic Control to function unreliably.

Using Mic Control

Mic Control™ is a patented technology invented by TC-Helicon. As a Mic Control-enabled microphone, MP-76 allows you to use and control TC-Helicon's studio quality vocal processing from anywhere on stage.

Mic Control has to be enabled via a switch or menu item on your TC-Helicon product. The exact procedure depends on the product you have.

Below is a list of all compatible products. Click on your product's name to jump to the appropriate section of this manual.

► VoiceLive 3
► VoiceLive Touch 2
► VoiceSolo FX150
► Play Acoustic
► Play Electric
► VoiceLive Play

Other TC-Helicon devices are supported, but with the single large button (just like an MP-75) being the only active button:

► VoiceLive 2
► VoiceLive Touch
► VoiceLive Rack
► VoiceTone 2-switch Pedals

MP-76 LCD

On most supported products, the MP-76's LCD will show the preset number currently selected on the device.

If the device supports the HIT feature, a ":" (colon) will be shown in the MP-76 LCD when HIT is ON.

Using MP-76 with your VoiceLive 3

Make sure your VoiceLive 3 is running the newest firmware version. Use VoiceSupport software to update your device's firmware. You can download VoiceSupport here:

tc-helicon.com/products/voicesupport/

To enable Mic Control on VoiceLive 3 for your MP-76:

▶ Press SETUP.
▶ Navigate to the INPUT tab using the < or > arrow buttons.
▶ Select the INPUT TYPE parameter using the Large Control Knob.
▶ Change the INPUT TYPE to MP-76 using the far Right Mix Knob (below the screen).

To select what your MP-76 buttons do:

▶ Press SETUP.
▶ Navigate to the BUTTONMAP tab using the < or > arrow buttons.
▶ Select the UP button parameter using the Large Control Knob.
▶ Use the Mix knob below the parameter to select the "target" for the UP button.
   ("Target" meaning: "what this button is supposed to do/control.")
▶ Set Mic Switch Mode to "Latched" or "Momentary".
   ▶ "Latched" means:
      "To activate the feature, press the button. To deactivate the feature, press the button again".
   ▶ "Momentary" means:
      "To activate the feature, press and hold button. To deactivate the feature, release the button".
▶ Repeat this process for the other three mic buttons (Left, Right, Down).

You're done!

Using MP-76 with your VoiceLive Touch 2

Make sure your VoiceLive Touch 2 is running the newest firmware version. Use VoiceSupport software to update your device's firmware. You can download VoiceSupport here:

tc-helicon.com/products/voicesupport/

To enable Mic Control on VoiceLive Touch 2 for your MP-76:

► Press SETUP.
► Navigate to the INPUT tab using the < or > arrow buttons on the SliderFX bar.
► Select the INPUT parameter using the top left button on the Matrix.
► Change the INPUT TYPE to MP-76 using the SliderFX bar.

To select what your MP-76 buttons do:

► Press SETUP.
► Navigate to the MIC CONTROL tab using the < or > arrow buttons.
► Select the UP button parameter using the Matrix.
► Use the SliderFX bar to select the "target" for the UP button.
("Target" meaning: "What this button is supposed to do").
Some options have "Momentary" in the title. "Momentary" means:
"To activate the feature, press and hold the button.
To deactivate the feature, release the button".
► Repeat this process for the other three mic buttons (Left, Right, Down).

You're done!

Using MP-76 with your VoiceSolo FX150

Make sure your VoiceSolo FX150 is running the newest firmware version. Use VoiceSupport software to update your device's firmware. You can download VoiceSupport here:

tc-helicon.com/products/voicesupport/

► Ensure the +48V button on your VoiceSolo FX150 is pressed IN.
► Press and HOLD the Low EQ button for the channel you've got a Mic Control enabled mic connected to for five seconds.

Please note that FX150 only supports MP-76 on Channel 2.

Mic Control for MP-76 is predefined:

► Up: Reverb on/off
► Left: Volume down
► Right: Volume up
► Bottom: Mute

MP-76 LCD and VoiceSolo FX150
On most supported products, the MP-76's LCD will show the preset number currently selected on the device.

Since VoiceSolo FX150 has no presets, the display will shows the level of Channel 2 instead. When Channel 2 is muted, the MP-76 display will flash and show the level as "0".

Using MP-76 with your Play Series product

To enable Mic Control on your <u>Play Acoustic</u>, <u>Play Electric</u> or <u>VoiceLive Play</u> for your MP-76:

► Press SETUP.
► Navigate to the INPUT tab using the < or > arrow buttons.
► Select the MIC TYPE parameter using the "soft button" next to it.
► Change the INPUT TYPE to MP-76 using the Control Knob.

To select what your MP-76 buttons do:

► Press SETUP.
► Navigate to the MIC CONTROL tab using the < or > arrow buttons.
► Select the UP button parameter using the "soft button" next to it.
► Use the Control knob bar to select the "target" for the UP button.
  ("Target" meaning: "What this button is supposed to do").
  Some options have "Momentary" in the title. "Momentary" means:
  "To activate the feature, press and hold the button.
  To deactivate the feature, release the button".
► Repeat this process for the other three mic buttons (Left, Right, Down).

You're done!

Technical specifications

► Element type: Dynamic
► Pickup pattern: Super-cardioid
► Impedance: 300 Ohms
► Sensitivity: -54 dBV/Pa (1.99 mV) – 1 Pa = 94 dB SPL measured @ 1 kHz
► Frequency response: 50 Hz to 18 kHz
► Weight: 0.63 lb. / 290 g
► Dimensions
► Height: 7.25 inches / 185 mm
► Diameter (max): 2 inches / 50 mm

Due to continuous development, these specifications are subject to change without notice.

Getting support

If you still have questions about the product after reading this manual and the FAQ page, please get in touch with **TC-Helicon Support:**

tc-helicon.com/support/