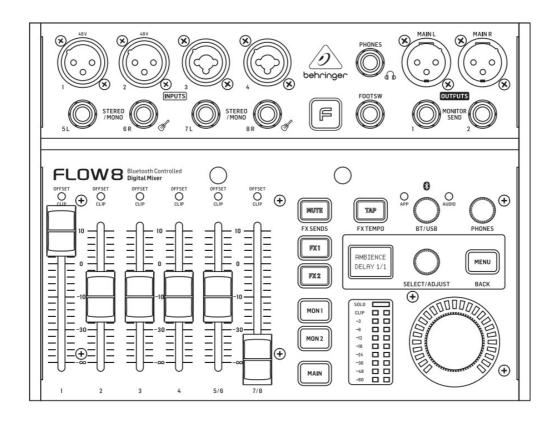


# behringer FLOW 8 User Guide

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8-Input Digital Mixer with Bluetooth Audio and App Control, 60 mm Channel Faders, 2 FX Processors and USB/Audio Interface Quick Start Guide



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# Important SafetyInstructions



Terminals marked with this symbol carry an electrical current of sufficient magnitude to constitute a risk of electric shock. Use only high-quality professional speaker cables with 1/4" TS or twist-locking plugs pre-installed. All other installation or modifications should be performed only by qualified personnel.

This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.

This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.



# <sup>∆</sup>Caution

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user-serviceable parts inside. Refer servicing to qualified personnel.



### Caution

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



# Caution

These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

- 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 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for the 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. Use only attachments/accessories specified by the manufacturer.



- 2. Use only with the 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.
- 15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
- 16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



- 7. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible
- negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office or your household waste collection service.
- 18. Do not install in a confined space, such as a bookcase or similar unit.
- 19. Do not place naked flame sources, such as lighted candles, on the apparatus.
- 20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed of at a battery collection point.
- 21. Use this apparatus in tropical and/or moderate climates.

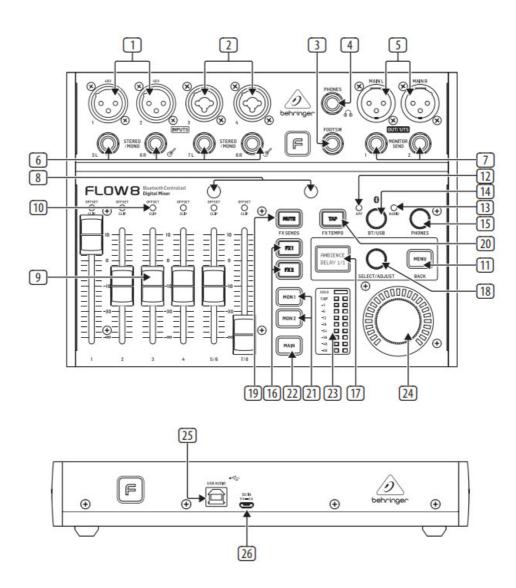
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## **FLOW 8 Controls**



- 1. MIC 1/MIC 2 inputs accept audio signals over cables using balanced XLR connectors. Both XLR jacks feature individually selectable phantom power for condenser mics. Phantom power can be activated in the control app.
- 2. MIC3/MIC 4 combo jacks accept audio signals from line-level sources or dynamic microphones over cables with balanced XLR, balanced ¼" TRS or unbalanced ¼" TS connectors. To run condenser microphones with these inputs, you will need an external preamp or phantom power supply that provides +48 V of power, such as the Behringer PS400. Note: These inputs do NOT offer phantom power!
- 3. FOOT SW jack connects to an external single or dual control footswitch using a 1/4" TRS connector.
- 4. PHONES jack connects to headphones using a 1/4" TRS stereo plug.
- 5. MAIN L/MAIN R connections send out the final stereo mix over cables using balanced XLR connectors.
- 6. STEREO/MONO inputs can accept either stereo line-level signals (5/6 and 7/8 stereo pairs), or a mono signal (5L and 7L for mono line-level sources, 6R and 8R for mono Hi-Z signals from guitars and basses.)
- 7. MONITOR SEND (MON 1/MON 2) jacks provide two monitor outputs. These outputs accept cables with balanced 1/4" TRS or unbalanced 1/4" TS connectors.

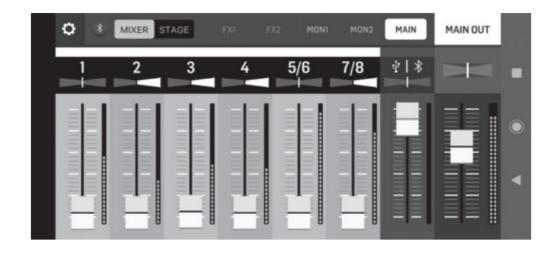
- 8. HOLDING POSTS allow you to place your smartphone directly onto the mixer for easy viewing of levels and settings on the smartphone control app.
- 9. CHANNEL FADERS set mix levels for their respective channels. These faders can also be used to control the send levels to the MON 1/MON 2 output jacks or the FX 1/FX 2 internal busses when selected in the control app or by pressing the menu layer's related hardware button (see [16], [21] and [22]).
- 10. OFFSET/CLIP LEDs indicate when the input gain is clipping the channel headroom or when the hardware faders are in a different position than the fader level shown in the control app (the LEDs will switch off when the hardware faders are returned to the level shown in the control app).
- 11. MENU button push opens Menu Mode when the MAIN, MON 1 or MON 2 menu layer is selected. Pressing the MENU button again will exit from Menu Mode.
- 12. APP LED starts blinking when Bluetooth pairing is underway for the control app. When pairing is successful, the LED lights consistently. When the Bluetooth connection fails or is deactivated, the LED will go off. See the Bluetooth instructions in "Getting Started" for details.
- 13. AUDIO LED lights up to indicate when Bluetooth pairing is active for audio streaming. See the Bluetooth instructions in "Getting Started" for details.
- 14. BT/USB knob sets the volume for digital audio routed into the mixer via Bluetooth or the rear USB AUDIO connector.
- 15. The PHONE knob controls the headphone volume.
- 16. FX 1/FX 2 buttons switch between the two FX engines for patch selection and parameter adjustment. When the FX 1 or FX 2 menu buttons are selected, the channel faders are then used to set Send levels to the FX engines.
- 17. MENU SCREEN displays the names of the currently active effects for the two FX engines and allows access to the FX preset list when the FX1 or FX2 button is pressed.

  Prese the MENU button to one and class Many Made. Petets the SELECT/AD ILIST push encoder to povigete
  - Press the MENU button to open and close Menu Mode. Rotate the SELECT/ADJUST push encoder to navigate sub-menus and then press to select specific menu items.
- 18. SELECT/ADJUST push encoder is used to navigate menus (turn) and to enter/confirm (press).
- 19. MUTE button switches off all audio from the FX section.
- 20. The TAP button allows you to tap in a tempo for quick adjustment of time-based effects.
- 21. MON 1/MON 2 buttons select either of the monitor mixes for direct monitoring and level setting in place of the main mix. To return to the main mix, press the MAIN button.
- 22. The MAIN button selects the main mix for the final output. Press The MAIN button to return to the main mix after selecting and checking monitor mixes with the MON 1 and MON 2 buttons.
- 23. VU METER shows levels for the main mix, monitor mixes or FX send signals. In SOLO mode, this meter allows a more detailed gain setting on individual input channels.
- 24. The MAIN knob controls the master volume for the currently selected buss FX 1, FX 2, MON 1, MON 2 or MAIN. The final volume setting is indicated by the LED ring around the knob. When adjusting the master volume setting of the currently-selected bus from the smartphone app, the LED ring will change to show the volume setting selected for that bus in the app.
- 25. USB AUDIO jack enables connection to a computer for audio streaming, firmware updates, and MIDI control. This USB connection also allows FLOW 8 to be used as a multi-channel audio interface for recording to a computer.
- 26. DC IN jack uses a Micro-USB connection to provide power to the unit. Power should come from either the included external power supply or a USB power bank with a Micro-USB connection.

# FLOW 8 Getting Started

Bluetooth Connection: Streaming and Control

To stream audio from a Bluetooth-enabled device, you will need a smartphone, tablet or computer with basic Bluetooth audio connectivity.



The mixer can only be controlled and edited by an Android or iOS control app. Only one Bluetooth device at a time may be used to control the mixer via the control app.

Audio may be streamed from a separate Bluetooth device or from the same device running the control app, but a maximum of one audio device and one device with the control app are allowed at the same time.

**NOTE:** FLOW 8 uses two types of Bluetooth simultaneously: Bluetooth Low Energy (BLE) for the control app and regular Bluetooth Audio for wireless audio streaming.

Bluetooth pairing for control app To control FLOW 8 via app from your Bluetooth device, use the following procedure:

- 1. Download and install the free FLOW control app from the Apple Store or Google Play Store.
- 2. Enable Bluetooth on your smartphone or tablet.
- 3. Press the MENU button on the FLOW 8 mixer hardware and select the BT PAIRING menu by turning the SELECT/ADJUST push encoder.
  - Press the encoder to enter this sub-menu.
- 4. Select PAIR REMOTE with the SELECT/ADJUST push encoder, and then press the encoder to start the search for a Bluetooth device.
- 5. Start the FLOW control app on your Bluetooth device (within 60 seconds). The control app will automatically detect FLOW 8 and connect. When connected, the Bluetooth icon in the control app will change color from gray (inactive) to blue (active), and the blue APP LED on the mixer hardware will light consistently.
- 6. In case of an unsuccessful connection, press the RETRY button on the app and follow the on-screen instructions.

# Bluetooth pairing for audio streaming

To stream audio to your FLOW 8 mixer from your Bluetooth device, use the following procedure:

- 1. Enable Bluetooth on your smartphone or tablet (if not already done).
- 2. Press the MENU button on the FLOW 8 mixer hardware and select the BT PAIRING menu by turning the SELECT/ADJUST push encoder.
  - Press the encoder to enter this sub-menu.
- 3. Select PAIR AUDIO with the SELECT/ADJUST push encoder, and then press the encoder to start the search

for a Bluetooth device.

- 4. Go to the Bluetooth menu of your smartphone or tablet.
- 5. Select "FLOW 8 (Audio)" on your smartphone or tablet to pair.

**NOTE:** Select "FLOW 8 Audio (Unnamed)" on your smartphone or tablet to pair. (The indicated name might be slightly different, depending on your system.)

- 6. When pairing is successful, the menu on your smartphone or tablet will indicate success, and the blue AUDIO LED on the mixer hardware will light consistently.
- 7. Begin audio playback on your smartphone or tablet (e.g., a radio app or media player app). Audio will stream wirelessly in stereo to your FLOW 8 mixer.
- 8. Make final level adjustments. You can adjust the Bluetooth playback level by four different means:
  - Level up/down hardware buttons on your smartphone or tablet
  - · Level control inside your audio playback app
  - BT/USB level knob on the FLOW 8 mixer hardware
  - Inside the FLOW control app at the BT/USB stereo channel on the mixer view

**NOTE:** Some smartphone or tablet apps, such as YouTube, will stop audio playback when you change screens (e.g., switching to the FLOW control app screen). To stream audio without interruption, we recommend you use a "pure" audio app.

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### Footswitch operation

By using a footswitch with the FOOT SW jack, you can mute effects, tap in a tempo for time-based effects, or select next or previous snapshot:

• Footswitch Mode "FX" (default mode):

Switch 1 = MUTE (both FX engines), Switch 2 = TAP TEMPO (both FX engines)

Footswitch Mode "SNAPSHOT":

Switch 1 = Snapshot Up (next), Switch 2 = Snapshot Down (previous)

# **FX Menu Navigation**

 When the FX1 or FX2 menu layer is selected on the mixer hardware, you will see the currently selected effect preset.

This preset can be changed by turning and pressing the SELECT/ADJUST push encoder.

- Pressing the MENU button while in the FX1 or FX2 layer opens the editable parameters (two per effect) for adjustment.
  - ♦ Turning the SELECT/ADJUST push encoder allows you to change the value of the upper/first parameter.
  - ♦ Pressing the SELECT/ADJUST push encoder accesses the lower/second parameter, which will allow you to toggle between 2 possible values/states.
- Pressing the MENU button again will return you to the preset select page.

## **MIDI** Implementation

#### **OVERVIEW**

| Input Channels<br>Section | MIDI<br>Ch. | Busses<br>Section | MIDI<br>Ch. | FX-Slots<br>Section | MIDI<br>Ch. | Global Control<br>Section | MIDI<br>Ch. |
|---------------------------|-------------|-------------------|-------------|---------------------|-------------|---------------------------|-------------|
| Input Ch. 1               | 1           | MAIN BUS          | 8           | FX1                 | 13          | SNAPSHOTS-<br>whole mixer | 16          |
| Input Ch. 2               | 2           | MON1 BUS          | 9           | FX2                 | 14          | FX1 / FX2 – common ctrl.  |             |
| Input Ch. 3               | 3           | MON2 BUS          | 10          |                     |             |                           |             |
| Input Ch. 4               | 4           | FX1 BUS           | 11          |                     |             | [MIDI-Ch. 15 = not used]  |             |
| Input Ch. 5/6             | 5           | FX2 BUS           | 12          |                     |             |                           |             |
| Input Ch. 7/8             | 6           |                   |             |                     |             |                           |             |
| Input Ch. USB/BT          | 7           |                   |             |                     |             |                           |             |

# **INPUT CHANNELS**

| Section<br>Input Ch.<br>1* | MID<br>I<br>Ch.<br>1* | Comm<br>and<br>CC 7 | MM.<br>Valu<br>e<br>0,1 | Max.<br>Valu<br>e<br>127 | Parameter<br>Channel L<br>EVEL<br>(to MAIN) | Min. Val<br>ue<br>OFF, -7<br>0 dB | Max. Val<br>ue.<br>+10 dB | Notes                      | Comment Value 0 = OFF, Value 1-127 = th e actual level co ntrol from -70 to +10 dB |
|----------------------------|-----------------------|---------------------|-------------------------|--------------------------|---|-----------------------------------|---------------------------|----------------------------|--|
| и                          |                       | CC 10               | 0                       | 127                      | Channel B<br>ALANCE<br>(to MAIN)            | 1.0 LEF<br>T                      | 1.0 RIG<br>HT             |                            | Value 64 = "0.0<br>CENTER"   |
|                            |                       | CC 5                | 0                       | 1-12<br>7                | MUTE  | NO MU<br>TE                       | MUTE                      | Switch; value<br>0 = "MUTE | OFF"; value 1-1<br>27 = "MUTE  |
|                            | ii.                   | CC 6                | 0                       | 1-12<br>7                | SOLO  | NO SO<br>LO                       | SOLO                      | Switch; value 0 = "SOLO    | OFF"; value 1-1<br>27 = "SOLO"   |
| u                          | cc .                  | CC 1                | 0                       | 127                      | EQ LOW                                      | -15 dB                            | +15 dB                    |                            | Continuous cont<br>rol; value<br>64 = "0.0 dB" (ce<br>nter<br>portion)             |
| "                          |                       | CC 2                | ee                      |                          | EQ LOW M                                    | ii.                               |                           |                            |  |

| "   | " | (C3   | "   |             | EQ HI MID                 |                 |        |                            |  |
|-----|---|-------|-----|-------------|---------------------------|-----------------|--------|----------------------------|--|
| ш   | " | CC 4  | "   |             | EQ HI                     | "               | "      |                            |  |
|     |   | CC 8  | 0   | 127         | GAIN                      | -20 dB          | +60 dB | NOT on Ch.<br>USB/BT       | Continuous cont  |
| 66  | u | CC 9  | 0   | 127         | LOW CUT                   | 20 Hz           | 600 Hz | NOT on Ch.<br>USB/BT       | Continuous cont  |
|     |   | CC 11 | 0   | 100-<br>127 | СОМР                      | 0%              | 100%   | NOT on Ch.<br>USB/BT       | Continuous cont<br>rol; values 101-1<br>27 = identical to<br>max.<br>value =100%         |
| ш   |   | CC 12 | 0   | 1-12<br>7   | 48V                       | OFF             | ON     | ONLY on Ch.<br>1 + 2       | Switch; value 0<br>= "48V OFF"; val<br>ue 1-127 = "48V<br>ON"                            |
| cc  |   | CC 13 | 0   | 1-12<br>7   | CHANNEL<br>STATUS         | HIDDE<br>N      | ACTIVE | Switch; value 0 = "HIDDEN" | value 1127 = "A<br>CTIVE"  |
| и   |   | C( 14 | 0,1 | 127         | SEND LEV<br>EL to<br>MON1 | OFF, -7<br>0 dB | +10 dB |                            | Value 0 = OFF,<br>Value 1-127<br>= the actual leve<br>I control<br>from -70 to +10<br>dB |
| u   |   | CC 15 | 0,1 | 127         | SEND LEV<br>EL to<br>MON2 | OFF, -7<br>0 dB | +10 dB |                            |  |
| ££  |   | CC 16 | 0,1 | 127         | SEND LEV<br>EL to FX1     | OFF, -7<br>0 dB | +10 dB |                            | "  |
| tt. |   | CC 17 | 0,1 | 127         | SEND LEV<br>EL toFX2      | OFF, -7<br>0 dB | +10 dB |                            |  |

<sup>\*</sup>Each Input Channel is assigned to one specific MIDI-Channel.

# **BUSSES**

| Section        | MID<br>I<br>Ch. | Comm  | Min.<br>Valu<br>e | Max.<br>Valu<br>e | Parameter            | Min. Val<br>ue  | Max. Val<br>ue. | Notes                | Comment   |
|----------------|-----------------|-------|-------------------|-------------------|----------------------|-----------------|-----------------|----------------------|---|
| MAIN BU<br>S** | 8**             | C( 7  | 0,1               | 127               | BUS LEVE<br>L        | OFF, -7<br>0 dB | +10 dB          |                      | Value° = OFF, V<br>alue 1-12 = the a<br>ctual level contro<br>I from -70 to +10<br>dB |
|                |                 | C( 10 | 0                 | 127               | BUS BALA<br>NCE      | 1.0 LEF<br>T    | 1.0 RIG<br>HT   | ONLY on MA<br>IN BUS | Value 64 = "0.0<br>CENTER"  |
|                |                 | C( 8  | 0                 | 127               | BUS LIMIT<br>ER      | -30 dB          | 0 dB            | NOT on FX1/<br>2 BUS | Continuous cont rol   |
|                |                 | (C11  | 0                 | 127               | 9-BAND E<br>Q 62 Hz  | -15 dB          | +15d8           | NOT on FX1/<br>2 BUS | Continuous cont<br>rol; value<br>64 = "0.0 dB"<br>(center postion)                    |
|                | "               | CC 12 | 66                |                   | 9-BAND E<br>Q 125 Hz |                 |                 |                      |   |
| ш              | "               | CC 13 | "                 | "                 | 9-BAND E<br>Q 250 Hz | "               | "               | и                    |   |
| "              |                 | CC 14 |                   |                   | 9-BAND E<br>Q 500 Hz |                 | "               | и                    | и   |
|                |                 | CC 15 | "                 |                   | 9-BAND E<br>Q 1 kHz  | "               |                 |                      | и   |
| "              |                 | C( 16 | 66                |                   | 9-BAND E<br>Q 2 kHz  |                 |                 |                      | ш   |
| "              |                 | (C17  | 66                |                   | 9-BAND E<br>Q 4 kHz  |                 |                 | 66                   | ű   |
|                |                 | CC 18 | 66                | ££                | 9-BAND E<br>Q 8 kHz  |                 |                 |                      | ш   |
|                | "               | CC 19 | u                 | и                 | 9-BAND E<br>Q 16 kHz |                 |                 | u.                   | ш   |

<sup>\*\*</sup>Each BUS is assigned to one specific MIDI-Channel. **FX CONTROL** 

| Section       | MID<br>I<br>Ch. | Comm<br>and   | Min.<br>Valu<br>e | Max.<br>Valu<br>e | Parameter         | Min. Val<br>ue | Max. Val<br>ue. | Notes | Comment   |
|---------------|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----------------|-------|---|
| FX1 / FX<br>2 | 13 /<br>14      | Prog.<br>Chg. | 1                 | 16                | EFFECT P<br>RESET | 1              | 16              |       | Program Change 0<br>&<br>ignored  |
| ш             |                 | CC 1          | 0                 | 100-<br>127       | PARAMET<br>ER 1   | 0%             | 100%            |       | Continuous control;<br>values 1011 _71-212<br>77==i en ta, t 0<br>max. value = 100% |
|               | "               | a 2           | 0                 | 1-12<br>7         | PARAMET<br>ER 2   | Value A        | Value B         |       | Switch; MIDI value 0<br>= "Value A"; MIDI val<br>ue 1-127 = "Value B"               |

Each FX slot is assigned to one specific MIDI-Channel.

# **GLOBAL CONTROL**

| Section      | MID<br>I<br>Ch. | Comm<br>and      | Min.<br>Valu<br>e | Max.<br>Valu<br>e | Parameter                      | Min. Val<br>ue | Max.Val<br>ue. | Notes                   | I<br>Comment  |
|--------------|-----------------|------------------|-------------------|-------------------|--------------------------------|----------------|----------------|-------------------------|---|
| SNAPSH<br>OT | 16              | Prog.<br>Chg.    | 1                 | 16                | Load MIXE<br>R<br>SNAPSHO<br>T | 1              | 16             | Loading #16<br>= RESET! | Program Change<br>0 & 17-127 = ign<br>ored; Presets = 1<br>-15;<br>RESET = Prog.<br>Chg. #16  |
| FX1<br>/FX2  | 66              | CC 1             | 0                 | 1-12<br>7         | FX MUTE                        | NO MU<br>TE    | MUTE           | Mutes BOTH<br>FX Sends  | Switch; value 0 = "MUTE OFF"; val ue 1-127 = "MUT E"  |
| Eli / FX2    |                 | Note 0<br>(C -1) | Veloc<br>ity 1    | Velo.<br>127      | TAP TEMP<br>O                  | 50<br>BPM      | 250 BP<br>M    | See below!              | lowest MIDI note<br>for tempo tappin<br>g; ignore Velocity<br>0, any velo. btw.<br>1-127 = OK |

> ALL global controls operate on MIDI-Channel 16.

# Notes to TAP TEMPO:

- 1. Note On command will be used to control the FX tempo; Note Off will be ignored
- 2. Any Note Velocity from 1-127 is OK for triggering, Velocity 0 will be ignored (because it's often misused as

- "note off" command)
- 3. Tempo calculation will be done by measuring the time interval between a repetitive hit of MIDI-Note 0 (same logic as for the hardware MUTE button on the mixer)
- 4. TAP TEMPO affects generally both FX slots, so it's a "global tempo" (although at the moment ONLY FX2 slot makes use of the TAP function)
- 5. TAP TEMPO is only useable for delay/echo effects which offer this parameter (currently: FX2 > Presets No. 1-12)

# **Specifications**

| Mic Inputs                                 |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| Туре                                       | 2 x XLR, balanced<br>2 x XLR / 1/4"" TRS combo jacks, balanced |  |  |  |  |  |
| Mic E.I.N. @ +60 dB gain (20 Hz to 20 kHz) |  |  |  |  |  |  |
| @ 00 source resistance                     | -125 dB A-weighted   |  |  |  |  |  |
| @ 500 source resistance                    | -124.5 dB A-weighted   |  |  |  |  |  |
| @ 150 0 source resistance                  | -124 dB A-weighted   |  |  |  |  |  |
| 6 Frequency response(-1 dB)                | 20 Hz to 20 kHz (-0.5 dB)                                      |  |  |  |  |  |
| IGain range                                | 20 dB to +60dB   |  |  |  |  |  |
| Max. input level                           | +19.5 dB gain  |  |  |  |  |  |
| Impedance                                  | 10 Kt balanced, 5 Kt unbalanced                                |  |  |  |  |  |
| Signal-to-noise ratio                      | "89 dB A-weighted (0 dBu in@ +10 dB gain)"                     |  |  |  |  |  |
| Distortion (THD+N)                         | 0.003%, A-weighted   |  |  |  |  |  |
| Phantom power                              | +48 V, switchable  |  |  |  |  |  |
| Line Input                                 |  |  |  |  |  |  |
| Туре                                       | 2 x 1/4" TRS connector, balanced, channels SL / 7L .           |  |  |  |  |  |
| Impedance                                  | 20 ld) balanced, 10 ld) unbalanced                             |  |  |  |  |  |
| Gain range                                 | -20 dB to +60 dB   |  |  |  |  |  |
| Max. input level                           | +19.5 dBu  |  |  |  |  |  |
| Guitar (Hi-Z) Inputs                       |  |  |  |  |  |  |
| Туре                                       | 2 x 1/4" TRS connector, balanced, channels 6R / 8R             |  |  |  |  |  |
| Impedance                                  | 2 MO balanced, 1 MO unbalanced                                 |  |  |  |  |  |
| Max. input level                           | +19.5 dBu  |  |  |  |  |  |
| Guitar (Hi-Z) Inputs                       |  |  |  |  |  |  |
| Туре                                       | 2 x 1/4" TRS connector, balanced, channels 6R / 8R             |  |  |  |  |  |

| Impedance                             | 2 M $Ω$ balanced, 1 M $Ω$ unbalanced |
|---------------------------------------|--------------------------------------|
| Max. input level                      | +19.5 dBu                            |
| Channel EQ                            |                                      |
| Low                                   | ±14.6 dB @ 20 Hz, shelving           |
| Low mid                               | ±14.8 dB @ 300 Hz                    |
| High mid                              | ±14.8 dB @ 1.5 kHz                   |
| High                                  | +14.1/-14.9 dB @ 20 kHz, shelving    |
| Monitor Outputs                       |                                      |
| Туре                                  | 2 x 1/4" TRS, balanced               |
| Impedance                             | 75 Ω, balanced                       |
| Max. output level                     | +14.4 dBu                            |
| Main Outputs                          | •                                    |
| Туре                                  | 2 x XLR, balanced                    |
| Impedance                             | 150 Ω, balanced                      |
| Max. output level                     | +14.5 dBu                            |
| Phones Output                         |                                      |
| Туре                                  | 1 x 1/4" TRS connector, balanced     |
| Max. output level                     | +18 dBm / 40 Ω                       |
| USB                                   |                                      |
| Connector                             | Type B                               |
| Bit depth                             | 24-bit / 48 kHz                      |
| Channels                              | 8 x 2                                |
| Bluetooth                             |                                      |
| Frequency range                       | 2402 MHz ~ 2480 MHz                  |
| Channel number                        | 79                                   |
| Version                               | Bluetooth spec 4.0 compliant         |
| Compatibility                         | Supports A2DP 1.2 profile            |
| Max. communication range              | 30 m (without interference)          |
| Max. output power                     | 8 dBm                                |
| Main Mix System Data (Noise)          |                                      |
| Main mix @ -∞, channel fader @ -∞     | -95 dB A-weighted                    |
| Main mix @ 0 dB, channel fader @ -∞   | -95 dB A-weighted                    |
| Main mix @ 0 dB, channel fader @ 0 dB | -90 dB A-weighted                    |
|                                       |                                      |

| Power Supply / Voltage |                                      |  |  |  |  |
|------------------------|--------------------------------------|--|--|--|--|
| Power supply           | 5 VDC 2A power input                 |  |  |  |  |
| Power consumption      | 10 W Max.                            |  |  |  |  |
| Dimensions / Weight    |                                      |  |  |  |  |
| Dimensions (H x W x D) | 229 x 172 x 48 mm (9.0 x 6.8 x 1.9") |  |  |  |  |
| Weight                 | 1.4 kg (3.1 lbs)                     |  |  |  |  |

# Other important information

## 1. Register online.

Please register your new Music Tribe equipment right after you purchase it by visiting <u>Behringer.com</u>. Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.

#### 2. Malfunction.

Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under "Support" at **Behringer.com**. Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at **behringer.com**. Alternatively, please submit an online warranty claim at **behringer.com** BEFORE returning the product.

#### 3. Power Connections.

Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.

### FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION



Responsible Party Name: Music Tribe Commercial NV Inc. Address: 901 Grier Drive Las Vegas, NV 89118 USA

Phone Number: +1 702 800 8290

### FLOW 8

complies with the FCC rules as mentioned in the following paragraph:

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 a residential installation. 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.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1. this device may not cause harmful interference, and
- 2. this device must accept any interference received, including interference that may cause undesired operation.

## Important information:

Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules.

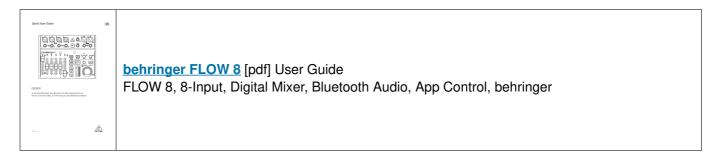
This equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

End-users and installers must be provided with antenna installation instructions and consider removing the nocollocation statement.

## We Hear You



### **Documents / Resources**



## References

Behringer | Home

Manuals+, home privacy