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behringer WASP DELUXE Legendary Analog Synthesizer User Guide

Quick Start Guide
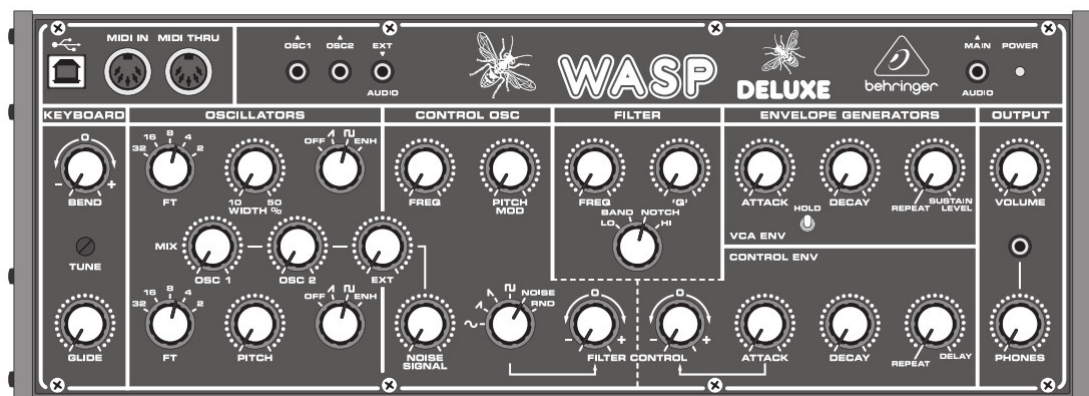
WASP DELUXE
Legendary Analog Synthesizer with Dual OSCs, VCF,
Multi-Mode VCF, 16-Voice Poly Chain and Eurorack Format

Contents

Important Safety Instructions

Terminals marked with this symbol carry an electrical current of sufficient magnitude to constitute risk of electric shock. Use only high-quality professional speaker cables with ¼" 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.

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 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 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.

12. 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.

17. 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).
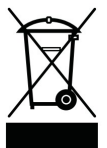
   The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use 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 battery collection point.

21. Use this apparatus in tropical and/or moderate climates.

LEGAL DISCLAIMER

other information are subject to change without notice.

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at **musictribe.com/warranty.**
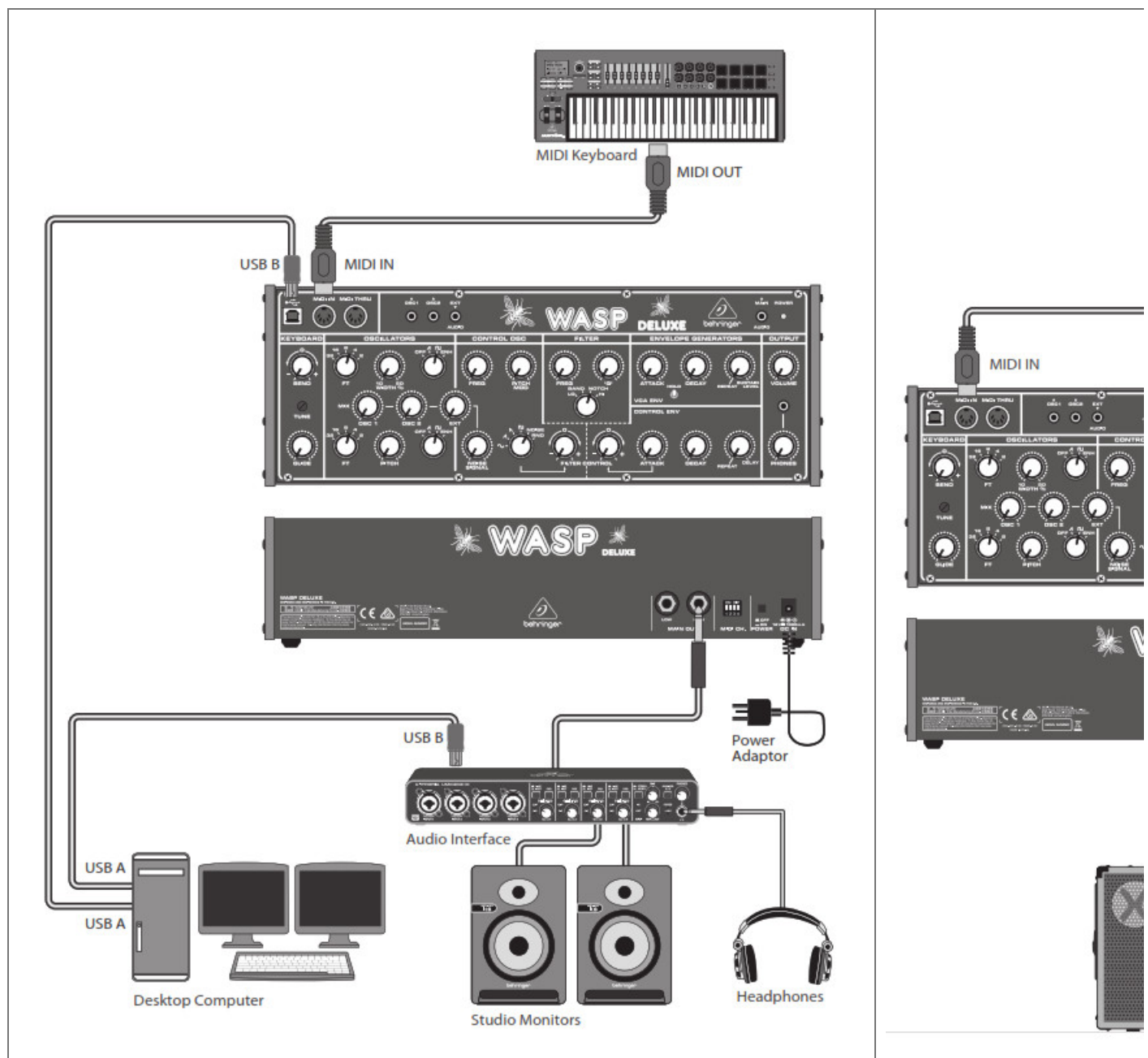
LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at **musictribe.com/warranty**.

WASP DELUXE Hook-up

Step 1: Hook-Up

WASP DELUXE Controls

Step 2: Controls
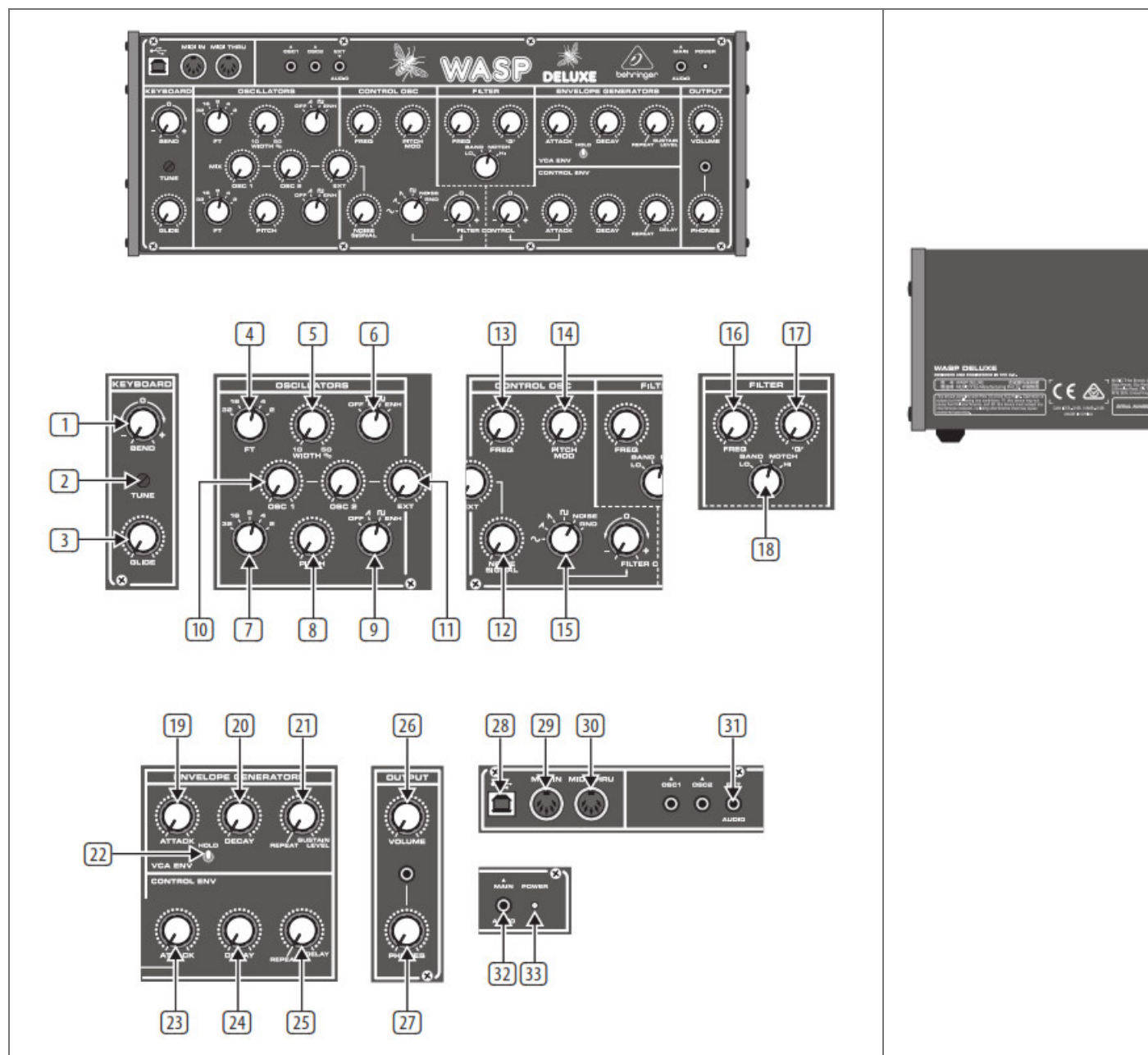
KEYBOARD Section

1. **BEND** knob shifts the keyboard pitch up (clockwise) or down (counterclockwise).
2. **TUNE** knob allows fine adjustment of the keyboard pitch.
3. **GLIDE** controls the rate of change from one note to the other. Turning the knob clockwise slows down the shift to the next pitch.
   ### OSCILLATORS Section
4. **FT** knob for the upper oscillator sets the oscillator's pitch.
5. **WIDTH** % knob controls the width of the oscillator's sound.
6. **WAVEFORM** knob controls the shape of the waveform for the upper oscillator. In the OFF setting, the waveform is left as an unaltered sine wave.
   The second-from-left setting imposes a "sawtooth" waveform, while the next set over creates a "square"

waveform. The ENH setting acts as an enhancer to add punch, bit and clarity to the oscillator's tone.

7. **FT** knob for the lower oscillator sets the oscillator's pitch.

8. **The PITCH** knob adjusts the pitch of the second oscillator against the pitch of the upper oscillator to create modulation effects.

9. **WAVEFORM** knob controls the shape of the waveform for the lower oscillator. In the The OFF setting, the waveform is left as an unaltered sine wave. The second-from- eft setting imposes a "sawtooth" waveform, while the next setting over creates a "square" waveform. The ENH setting acts as an enhancer to add punch, bit, and clarity to the oscillator's tone.

10. **MIX** section controls the relative blend of the upper and lower oscillator (OSC 1/OSC 2 knobs).

11. **EXT**. the knob allows you to blend in audio signals from the EXT. AUDIO jack with the oscillator signals.

    CONTROL OSC. Section

    This section offers an oscillator that does not produce sound itself, but which can be used to control the primary oscillators and the filter.

12. **NOISE** signal knob produces white noise that can be mixed in to create percussion sounds.

13. **FREQUENCY** knob adjusts the speed of the controlled oscillator. **PITCH MOD**. varies the pitch difference between the primary oscillators to create additional modulation effects.

14. **WAVEFORM** switch offers six different settings: sine was, rising sawtooth, falling sawtooth, square wave, NOISE and RND. (random).

    FILTER Section

15. **FREQ**. knob sets the filter cutoff frequency.

16. Q knob controls the filter width (for bandpass and notch filter) or the filter slope (hi- and lo-pass filters).

17. **FILTER** knob offers four filter options: LO (lo-pass), BAND (bandpass), NOTCH and HI (hi-pass).

    ENVELOPE GENERATORS Section

    This section has two sub-sections: VCA ENV. (controls the envelope for the oscillators) and CONTROL ENV. (which controls the filter envelopes).

    VCA ENV.

18. The ATTACK knob controls the speed of the note onset.

19. **DECAY** knob controls how quickly the note volume decays while the finger remains on the keyboard and then controls the fading out of the note after the finger is removed from the keyboard.

20. **SUSTAIN LEVEL/REPEAT** knob controls the baseline volume of the note while the finger remains on the keyboard. When set full counter-clockwise, the note repeats and the ATTACK and DECAY knobs then control the speed of the repeat.

21. **HOLD** switch sustains the note indefinitely at the point of the envelope when the switch is activated.

    CONTROL ENV.

22. **The ATTACK** knob controls the speed of the filter onset.

23. **DECAY** knob controls how quickly the filter cutoff frequency decays. DELAY/REPEAT knob delays the onset of the filter attack by up to 1 second.

    OUTPUT Section

24. **VOLUME** knob controls the final volume at the MAIN AUDIO and MAIN OUT jacks.

25. **PHONES** knob controls the headphone volume at the 1/8″ TRS jack immediately above the knob.

    MIDI Section

26. **USB PORT** allows connection to a computer over a USB type B connection. The WASP DELUXE will show up as a class-compliant USB MIDI devise, capable of supporting MIDI in and out.

    • USB MIDI IN – accepts incoming MIDI data from an application.

• USB MIDI OUT – sends MIDI data to an application.

27. **MIDI IN** receives MIDI data from an external source over a 5-pin DIN connector. This will commonly be a MIDI keyboard, an external hardware sequencer, a computer equipped with a MIDI interface, etc.

28. **MIDI THRU** uses a 5-pin DIN jack is used to pass through MIDI data received at the MIDI INPUT. This data will commonly be sent to another MODEL D synthesizer to run a Poly Chain or to a drum machine assigned to a different MIDI Channel.

29. **EXT. AUDIO** input connects any external line-level audio source to this 3.5 mm input. If nothing is connected here, then the main audio output is internally connected to this external input.

30. **POWER LED** lights up to indicate the unit has been powered on.

31. **MAIN AUDIO** uses a 3.5 mm TRS connection to output the main audio output. Typically it can be patched to the audio input of another WASP

    DELUXE or to the audio inputs of another modular synthesizer equipment. If you are using the

    WASP DELUXE in a Eurorack,then this is the main output, as the rear panel output connectors are not used.

    Rear Panel

32. **MAIN OUT** uses ¼" TRS outputs to connect to the inputs of your external equipment as follows (note that they are both Mono, and not left/right):

    • **LOW** – this instrument-level mono output can connect to the instrument-level inputs of guitar amplifiers or mixers for example.

    • **HIGH** – this line-level mono output can connect to the line-level inputs of mixers, keyboard amplifiers, or powered speakers for example.

33. **MIDI CHANNEL** has 4 switches that allow you to set the MIDI Channel number from 1 to 16 (see the table on page 13). The MIDI channel can also be changed using MIDI SysEx commands, as shown in the MIDI SysEx tables later in this manual. (This method is used when the WASP DELUXE is housed in a Eurorack, and these switches are no longer present.)

    Power Section

34. **POWER** switch turns the unit on and off.

35. **DC INPUT** connects to the supplied 12V DC power adapter. The power adapter can be plugged into an AC outlet capable of supplying from 100V to 240V at 50 Hz/60 Hz. Use only the power adapter supplied.

Step 3: Getting started

OVERVIEW
This 'getting started guide will help you set up the WASP DELUXE analog synthesizer and briefly introduce its capabilities.

CONNECTION
To connect the WASP DELUXE to your system, please consult the connection guide earlier in this document.

SOFTWARE SETUP
The WASP DELUXE is a USB Class Compliant MIDI device, and so no driver installation is required. The WASP DELUXE does not require any additional drivers to work with Windows and macOS.

HARDWARE SETUP
Make all the connections in your system. Use the rear panel MIDI switches to set the WASP DELUXE to a unique MIDI channel in your system.
Connect an external MIDI keyboard directly to the WASP DELUXE MIDI IN 5-pin DIN type input.
Apply power to the WASP DELUXE using the supplied power adapter only. Ensure your sound system is turned down. Turn on the WASP DELUXE rear panel power switch.

WARM UPTIME
We recommend leaving 15 minutes or more time for the WASP DELUXE to warm up before recording or live performance. (Longer if it has been brought in from the cold.) This will allow the precision analog circuits time to

reach their normal operating temperature and tuned performance.

OSCILLATORS SECTION and MIX CONTROLS

The WASP DELUXE has two oscillators, an internal Noise generator, and external source input. Each of these, and any combination, are used by the WASP DELUXE to generate sound. The MIX controls allow you to adjust the volume of each of these sources to create an overall mix. Start by adjusting the volume control of Oscillator 1, while turning the other sources all the way down. In the OUTPUT section, adjust the main volume. Now, if you play a note on your MIDI keyboard, you should hear the sound of Oscillator 1 only. Turn up the other oscillator and /or noise and adjust their volume controls to create a mix.

In the Oscillator section, adjust the FT (Foot) knob for either oscillator, and you will hear the sound of the various octaves. Adjust the WAVEFORM controls and listens to the differences.

CONTROL OSC. SECTION

Play with the FREQ. and PITCH Th MOD. controls to hear how they affect the speed and pitch of the oscillators. Use the Control Oscillator 6-way WAVEFORM switch to apply different control waveforms and listen to how they affect the sound.

FILTER and CONTROL ENV. SECTIONS

Switch between lo-pass, bandpass, notch and hi-pass filters, and try playing with the cutoff frequency by using the FREQ. knob. Use the Q knob to experiment with the filter contour and slope.

FlPlebeanyoThdoc oupThdeup The CONTROL ENV. controls are used to control the filter, so play with the Attack, Decay and Delay control to hear how these controls affect the filter sound. Spend some time moving the FILTER CONTROL knobs between positive (+) and negative (-) settings to hear how the different combinations of rising or falling control envelopes affect the oscillators and filter.

ENVELOPE GENERATORS SECTION

In this section, adjust the Attack, Decay, and Sustain; they affect the overall level over time, while a note is played. The loudness decay switches affects the decay in level after a note is released.

EURORACK

The WASP DELUXE synthesizer can be taken out of its factory chassis and fitted into a standard Eurorack case (not supplied). Please see the details are shown later in this manual.

FIRMWARE UPDATE

Please check our website behringer.com regularly for any updates to the firmware of your WASP DELUXE synthesizer. The firmware file can be downloaded and stored on your computer, and then used to update the WASP DELUXE. The firmware file comes with detailed instructions on the update procedure. WASP DELUXE System Exclusive Commands Some parameters in the WASP DELUXE synthesizer can be changed using MIDI system exclusive (SysEx) commands. A MIDI utility such as the popular MIDI-OX can be used to send the SysEx command data string to the WASP DELUXE using the USB MIDI connection between a host computer and the WASP DELUXE.

SysEx Data Format

The following data format is used when creating a SysEx message (with the data beginning with F0 and ending with F7).

F0 00 20 32 aa bb cc dd ee ff F7

The various items in this SysEx data string are described below:

Item	Description
00 20 32	Manufacturer SysEx ID number (Behringer GmbH)
as	Reserved
bb	Device ID: 00-0xF (must match hardware device ID), or 7F to address all devices. **Note:** This is the same as the Poly Chain ID. It is not the MIDI Channel
cc	Main parameter number (see Command Table below)
dd	Sub parameter number (see Command Table below)
ee	Parameter value MSB (will be zero unless the parameter value is greater than 127)
ff	Parameter value LSB (Range is 0 to 127) (see Command Table below)

Command Table

cc (Main)	dd (Sub)	Description	ff (Para Range)	Default
	00	MIDI Channel	0 to 15	0
	01	Key Priority (In poly chain mode, note priority will be restricted to 'LOW'	0-LOW 1-HIGH 2-LAST	0- LOW
	02	Multi Trigge	0-OFF 1-ON (1.05 style) 2-ON(1.06 style	0- OFF
	03	Pitch Bend semitones (Pitch wheel range) Effective when pitch bend range not fixed. See " OC Pitch bend mode" below	0 to 12	12

0xA Global Setting	06	MIDI IN Transpose	0 to 24 The range is -12 to + 12, so 12 is no transpose	12
	07	MIDI Note Zero Volts	0 to 127	12
	08	Poly Chain* see note below	0-OFF, 1-ON	36
	09	Device ID (Poly Chain ID)	0-15	0- OFF
	0A	Enable/Disable MIDIChannel Switches	0- Enable 1- Disable	0
	0B	Modulation Curve	0- Soft 1- Med 2- Hard	0-Enable
	0C	Pitch Bend Mode	0- PitchBend Range Fixed 1- PitchBend Range Settable	0- Soft
	OD	Poly Chain Style	0- New Style 1- Old Style	0- Fixe
0xB		Restore Global Settings		0- New Style
0xE		Start User Pitch CV Calibration		
0xF		Restore Default CV Calibration		

*Note: If you use SysEx instead of the recommended A-440 method to turn on the Poly Chain, then the Poly Chain Device ID of other units in the chain is not set automatically. You have to use SysEx to set the Poly Chain ID of the first WASP DELUXE to Device ID=0, the second WASP DELUXE to ID=1, the third WASP DELUXE to ID=3 and so on. All WASP DELUXE units must have the same MIDI channel.

Retriggering Style
These examples show the difference between the old and new retriggering styles

Example	Old-style (v1.0.5)	New style (v1.0.6)
Press and hold note A. Note A is playing. Then press and hold note B. Note B is playing (A stop). Release note A.	Retrigger	No Retrigger
Press and hold note A. Note A is playing. Then press and hold note B. Note B is playing (A stop). Release note B.	Retrigger	Retrigger

Poly Chain Style
These two tables show the difference between old and new poly chain style.
TABLE OF NOTE RESPONSE — Old poly chain style

Poly chain Device no.	How many notes are playing							
	0	1	2	3	4	5	6	7
1	Off	**Note1**	Note1	Note1	Note1	Note1	Note1	Note1
2	Off	Note1	**Note2**	Note2	Note2	Note2	Note2	Note2
3	Off	Note1	Note1	**Note3**	Note3	Note3	Note3	Note3
4	Off	Note1	Note1	Note1	**Note4**	Note4	Note4	Note4
5	Off	Note1	Note1	Note1	Note1	**Note5**	Note5	Note5

TABLE OF NOTE RESPONSE — New poly chain style

Poly chain Device no.	0	. How many notes are playing 1 2 3 4 5 6 7						
1	0ff	**Note1**	Note1	Note1	Note1	Note1	Note1	Note1
2	0ff	Off	**Note2**	Note2	Note2	Note2	Note2	Note2
3	Off	Off	off	**Note3**	Note3	Note3	Note3	Note3
4	Off	Off	Off	Off	**Note4**	Note4	Note4	Note4
5	Off	Off	Off	Off	Off	**Note5**	Note5	Note5

Note: Turning on the Poly Chain will affect the note priority function

Command Examples
Note: All command parameters should be in hexadecimal format.

Function	SysEX Command String
Set MIDI Channel to 13	FO 00 20 32 00 7F OA 00 00 OC F7
Set Key Priority to last	FO 00 20 32 00 7F 0A 01 00 02 F7
Turn on Multi Trigger (1.05 style)	FO 00 20 32 00 7F OA 02 00 01 F7
Set Pitch Bend semitone to 11	FO 00 20 32 00 7F OA 03 00 OB F7
Set MIDI IN Transpose to +8	FO 00 20 32 00 7F OA 06 00 14 F7
Set Note C5 as Zero Volts	FO 00 20 32 00 7F OA 07 00 48 F7
Turn on Poly Chain	FO 00 20 32 00 7F OA 08 00 01 F7
Set Device ID to 5	FO 00 20 32 00 7F OA 09 00 05 F7
Disable MIDI Channel Switches	FO 00 20 32 00 7F OA OA 00 01 F7
Set Modulation Curve to Medium	FO 00 20 32 00 7F OA OB 00 01 F7
Make pitch bend range effective	FO 00 20 32 00 7F OA OC 00 01 F7
Set poly chain style to old style	FO 00 20 32 00 7F OA OD 00 01 F7 I

Note: A decimal to hex conversion table is shown below.
If you are using the MIDI Transpose command, then the 3rd column shows the MIDI IN Transpose that corresponds to each data value. For example, if you wanted a transpose of +8 as shown in the table above, then the data sent is 14 (hex).

Value 0	Value (hex)	MIDI Transpose
	0	-12
1	1	-11
2	2	-10
3	3	-9
4	4	-8
5	5	-7
6	6	-6
7	7	-5
8	8	-4
9	9	-3
10	A	-2
11	B	-1
12	C	0
13	D	1
14	E	2
15	F	3
16	10	4
17	11	5
18	12	6
19	13	7
20	14	8
21	15	9
22	16	10
23	17	11
24	18	12

WASP DELUXE Eurorack Installation

The WASP DELUXE synthesizer can be removed from its factory chassis and installed into a standard Eurorack chassis (not supplied). The module width is 70HP.
We recommend that this procedure is undertaken only by experienced service technicians, to prevent personal

injury or damage to the unit.

The Eurorack case will need its own suitable power supply unit to power the WASP DELUXE synthesizer.

A 10-pin connector on the rear of the main PCB of the WASP DELUXE allows the +12 VDC power supply connection to be made. A 10-pin to 16-pin adapter ribbon cable is supplied to connect to your power supply.

⚠️ Before proceeding, make sure that your power supply is capable of supplying +12 VDC, 1 Amp.

⚠️ Make sure that the connections using the supplied adapter cable will supply the ground and power to the correct pins of X23.
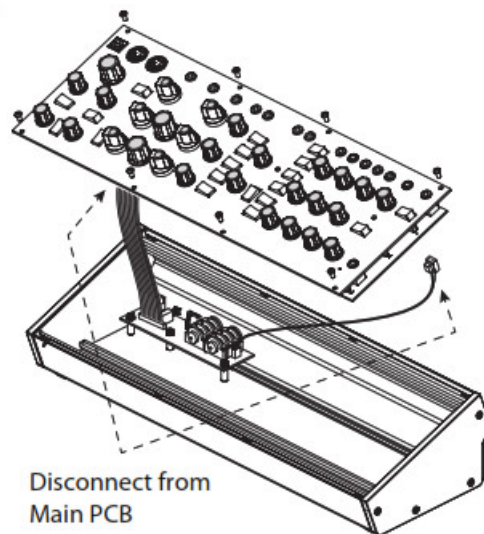
Procedure

Follow all steps in the order in which they are presented.

1. ⚠️Disconnect the power cord and all other connections to the WASP DELUXE.

2. Undo the 8 screws on the top panel as shown. There is no need to undo any other screws.
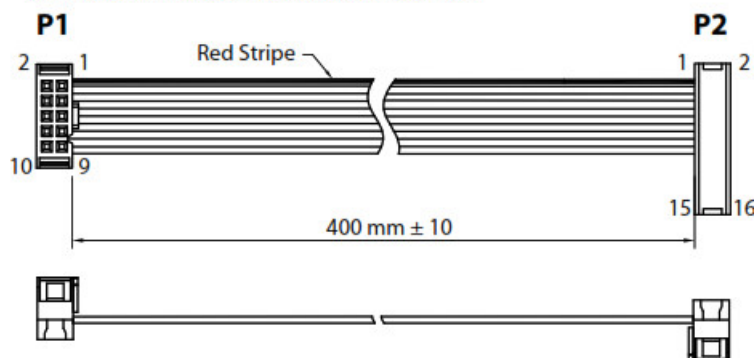

Disconnect from
Main PCB

3. Disconnect the two cables from the lower side of the main PCB of the WASP DELUXE, and remove the assembly from the chassis. ,

4. Store the chassis assembly and the power supply the adaptor in a dry safe place.

5. Securely connect the 10-pin end P1 of the supplied adapter cable to connector X23 on the Main PCB of the WASP DELUXE.
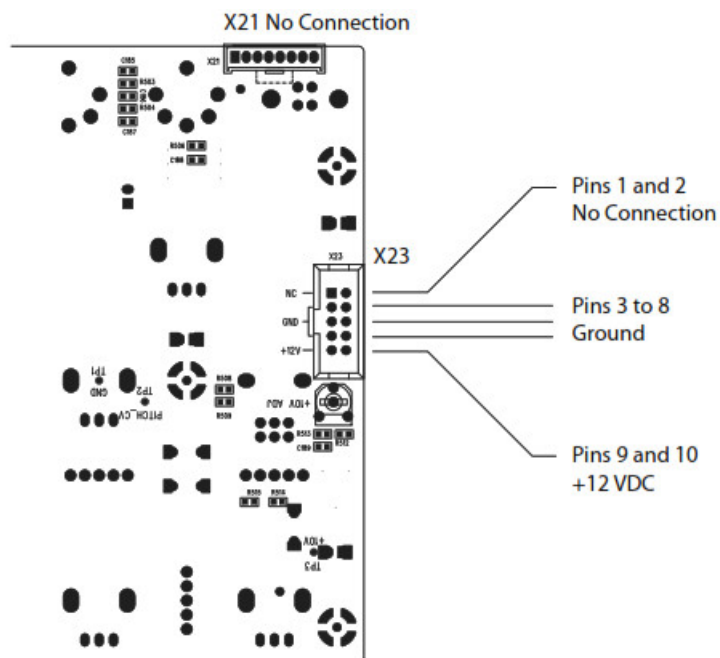
Supplied Eurorack Power Supply Cable, Part # A74-0001-79446
Connect End P1 to Connector X23 on main PCB

6. ⚠️ Make sure your power supply is turned off and disconnected from the AC mains.

7. ⚠️ Make sure that your power supply will supply the following to the pins of connector X23, as shown in the diagram above:

Pins	Connection
1 and 2	No Connection
3 to 8	Ground
9 and 10	+12 VDC

8. Securely connect the 16-pin end P2 of the supplied adapter cable to your power supply, and double-check all connections are correct.

9. Securely install the WASP DELUXE Synthesizer into your Eurorack, using 8 screws in the front panel.

10. Perform a full test and safety test before using the

WASP DELUXE.

11. The 3.5 mm MAIN OUT connector on the top panel is used instead of the ." rear outputs which are no longer present.

Setting the MIDI Channel

Once installed in a Eurorack, the MIDI channel number is automatically set to channel 1 (as the MIDI switches are no longer present.)

The MIDI channel can be changed using MIDI-OX or a similar MIDI utility on your computer to send MIDI SysEx commands directly to the WASP DELUXE via the USB MIDI connection. Here is a brief guide to the procedure (see the MIDI SysEx pages in this manual for the actual SysEx codes sent to the WASP DELUXE):

1. Disable the MIDI Channel Switches by sending the appropriate SysEx command.

2. Change the MIDI Channel by sending the appropriate SysEx command.

Specifications

Envelopes	VCA, VCF
Connectivity	
MIDI in / thru	5-pin DIN / 16 channels
USB (MIDI)	USB 2.0, type B
Main out (high)	1 x ¼" TS, unbalanced, max. 0 dBu
High output impedance	1.3 k Ω
Main out (low)	1 x ¼" TS, unbalanced, 27 dB below high output
Low output impedance	1 kΩ
Main Audio out	3.5 mm TRS, unbalanced, max. 0 dBu
Phones	3.5 mm TRS, unbalanced, max. -2 dBu @ 32 Ω
Phones output impedance	25 Ω
USB	
Type	Class-compliant USB 2.0, type B
Supported operating systems	Windows XP or higher Mac OS X 10.6.8 or higher
Power Requirements	
External power adapter	12 V DC 1000 mA
Power consumption	2 W
Environmental	
Operating temperature range	5°C – 40°C (41°F – 104°F)
Physical	
Dimensions (H x W x D)	87 x 374 x 136 mm (3.4 x 14.7 x 5.4″)
Module width	70 HP
Weight	1.6 kg (3.5 lbs)
Shipping weight	2.5 kg (5.5 lbs)

Other important information

Important information

1. **Register online.**

   Please register your new Music Tribe equipment right after you purchase it by visiting **behringer.com**. 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:**5270 Procyon Street Las Vegas, NV 89118 USA**
Phone Number: **+1 702 800 8290**

WASP DELUXE
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.

<p align="center">We Hear You</p>

Documents / Resources

	behringer WASP DELUXE Legendary Analog Synthesizer [pdf] User Guide WASP DELUXE Legendary Analog Synthesizer

References

- **Behringer | Home**