FLAME MÄANDER SYNTHESIZER   Getting Started

Please download the quick guide in other languages and the complete current manual from our website: **www.flame-instruments.com**
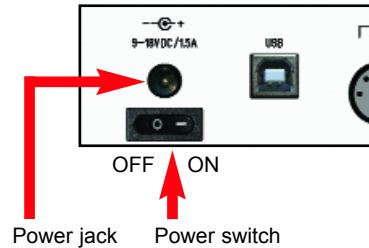
1

Here are some simple instructions on how to quickly plug in and try out your MÄANDER synthesizer.
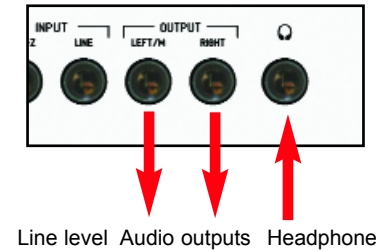
First Step
Unpack your MÄANDER, place it on a table while you become familiar with its features. Plug the 12v power adaptor's cord into the power jack. Then plug the power adaptor itself into a power outlet.

9-18V DC/1,5A   USB

OFF   ON

Power jack   Power switch

2

Connections
Connect two mono instrument cables from the LEFT/M and RIGHT out jacks to line-level inputs on your mixer. Turn the volume control on your mixer down but not off. Use the MAINOUT knob for the volume.
Alternatively you can also connect your headphones directly to the MÄANDER.
In this case use the PHONES knob for the volume.

INPUT   OUTPUT
LINE   LEFT/M   RIGHT

Line level Audio outputs Headphone

3

Functions step by step
To learn step by step how to use the MÄANDER, first turn all controls to the positions shown in the figure below right:

4

Power on and load the first PATCH
Turn on the MÄANDER. The PATCH that was last called is loaded automatically. If you turn on the MÄANDER for the first time, this is PATCH 1. You can also load patches yourself as follows: Press the PATCH button once (the button will blink), turn the VALUE knob to select a PATCH (1..100), then press the PATCH button again. The patch also loads with all stored potentiometer positions.

Note: The next time the MÄANDER is turned on, the last loaded or saved PATCH will be loaded.

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Play the first PATCH
A PATCH contains up to 4 bars (consisting of up to 15 sequencer tracks) such as tempo, potentiometer positions and the selected wavetable.
PATCH 1 demonstrates the playback of a simple programmed note sequence with filter modulations by LFO, ADSR envelope and a 12 channel filter sequence.

MAIN   OSCILLATOR   AMP EG

MAINOUT FINETUNE AMOUNT DETUNE UNISONO GLIDE COLOUR AMOUNT   ATTACK DECAY SUSTAIN RELEASE

LFO 1   SYNC   SYNC   LFO 2   SHOTS

PHONES RATE SHAPE RETRIG ONESHOT   RETRIG ONESHOT RATE SHAPE   VELOCITY GATETIME

FILTERBANK

AMP EG AMOUNT CUTOFF AMOUNT BANDLEVEL SEQU/SYNT ENVELOPE RANDOM   RESOLUTION   DOTTED NORMAL TRIPLET OFFBEAT NORMAL ALTERNATE REPEATS

HP BP1 BP2 BP3 NOTCH LP+BP LP/HP LP ←FILTERTYPE

OSC INPUT NOISE 80 130 240 350 500 700 1K 1,4K 2K 2,8K 3,9K >5,6K

RANDOM ENVELOPE PATCH   VALUE

MUTE LASTSTEP MIDI

HOLD TRANS SCALE   SWING   BAR   1 2 3 4 SAVE

SHOTS ARP WAVE START CLEAR TEMPO TAP

OSC INPUT NOISE EDIT OCTAVE C C# D D# E F F# G G# A A# B
                                  1   2   3   4   5 6 7   8 9 10 11 12

FLAME MÄANDER   ANALOG FILTER BANK SYNTH & LIVE SEQUENCER

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START/STOP
Press the START button once (the button will blink). Now the pattern is played. The pattern is stopped again, if you briefly press the START button again (the button stops flashing).

TEMPO
You can change the TEMPO as follows: Press the TEMPO button once (now the display shows the tempo in bpm), then turn the VALUE knob to change the tempo (30..200 bpm) or use the TAP button (push briefly several times evenly at the desired speed).

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WAVETABLE
With the pot COLOUR they move smoothly through the 64 waves of the loaded WAVETABLE.

You can load another WAVETABLE as follows: Press the WAVE button once (the button lights up), then turn the VALUE knob to load another wavetable (00-39) or another digitalsound (39=pwm square, 40=saw).

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BANDLEVEL MIX
With the pot BANDLEVEL you fade between the filter modulation of the 12 band filter sequence (maximum left) and the filter modulation of the played notes or note sequence (maximum right). If you turn the pot in position SEQU (left position), you only hear the filter modulation through the currently playing filter sequence of the 12 filter channels.

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AMP EG AMOUNT, CUTOFF, FILTERTYPE
If you turn the pot BANDLEVEL in position SYNTH (right position), you only hear the filter modulation of the currently played notes.
Use the pot "CUTOFF" to manually adjust the center frequency of the selected filter type.
Use the pot "AMP EG AMOUNT" to control the portion of the "AMP EG" (Amplitude envelope of the played notes) you want to act on the filter.
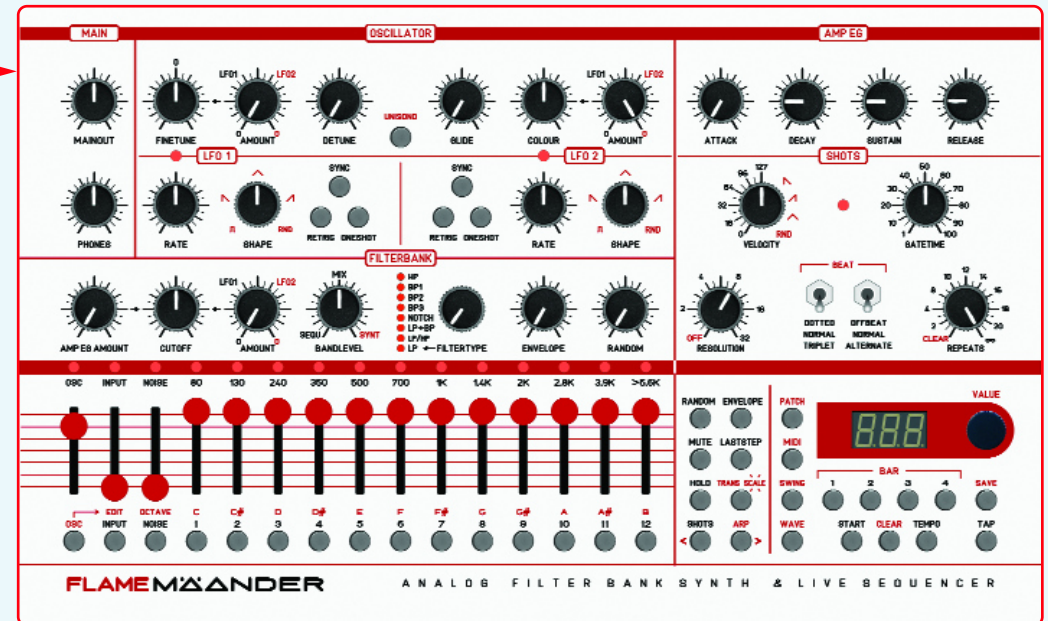Try the 8 filter types and listen to their different characteristics.
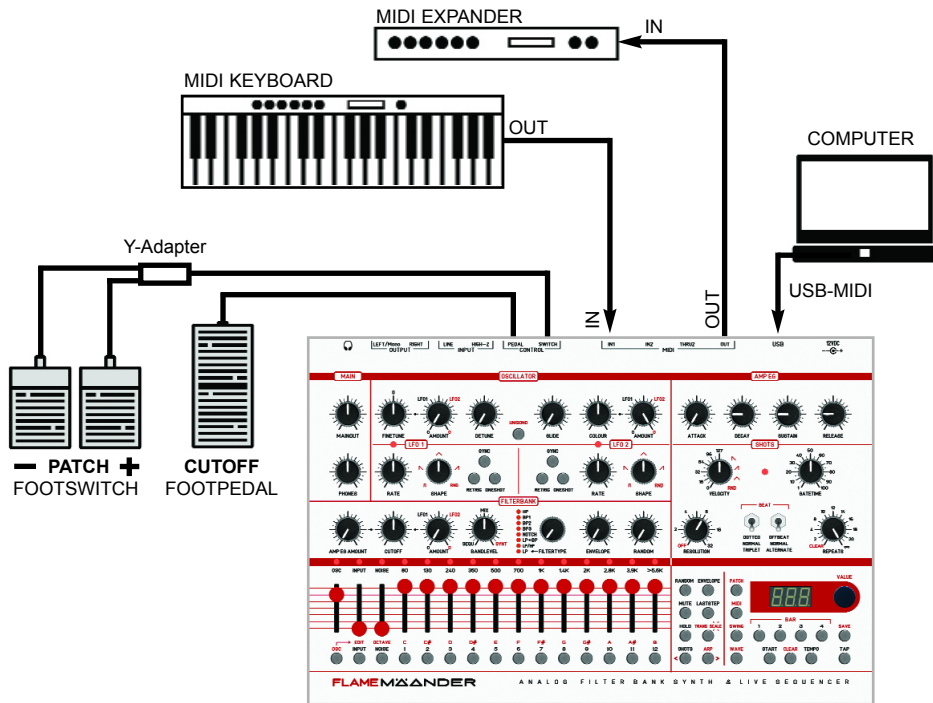
10

BAR BUTTONS
The pattern can be up to 4 bars long. You can play several or even one bar. Hold down the key of the first bar to be played and press the bars in the desired order one after the other.
Example: While holding down the BAR-2 key, press Bar-4 once and then Bar-3 once. Now the pattern plays in the order Bar 2-4-3.
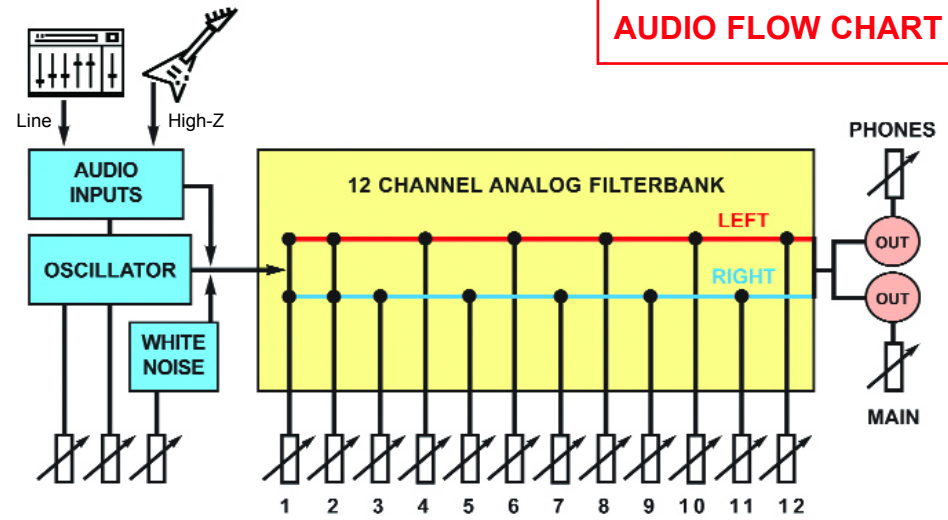
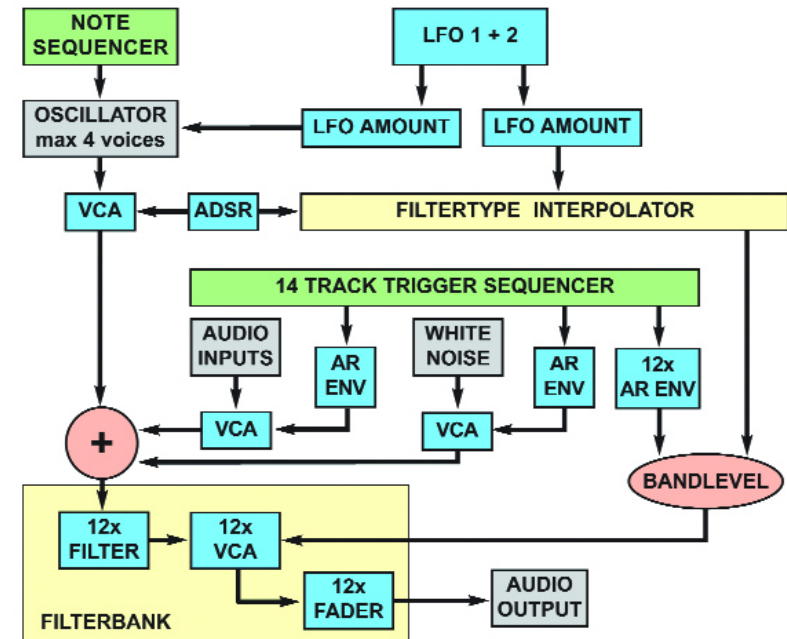# FLAME MÄANDER SYNTHESIZER   Functional overview

MIDI CONNECTION

MIDI EXPANDER

MIDI KEYBOARD

IN

OUT

COMPUTER

USB-MIDI

Y-Adapter

IN

OUT

MIDI

USB

– PATCH +
FOOTSWITCH

CUTOFF
FOOTPEDAL

FLAMEMÄANDER   ANALOG FILTER BANK SYNTH & LIVE SEQUENCER

AUDIO FLOW CHART

Line   High-Z

AUDIO INPUTS

OSCILLATOR

WHITE NOISE

12 CHANNEL ANALOG FILTERBANK

LEFT

RIGHT

PHONES

OUT

OUT

MAIN

1 2 3 4 5 6 7 8 9 10 11 12

INTERNAL STRUCTURE

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**PLAY THE MÄANDER LIKE A SOUND EXPAN-
DER WITH AN EXTERNAL KEYBOARD**
Connect the MIDI OUT of the keyboard to a MIDI
IN (1 or 2) of the MÄANDER. Set the MIDI output
channel of the keyboard to the same value as the
note track of the MÄANDER.

SET THE MIDI CHANNEL for the OSC note track
as follows: Press the MIDI button once (the but-
ton lights up). The display shows "CHn". Now
press the OSC button once (to select the note
track). The display shows the MIDI channel.
Then turn the VALUE knob to change the MIDI
channel (1..16).

Please note: The selected channel is also the
MIDI input and MIDI output channel of this track.

Also you can trigger the 14 tracks (INPUT, NOISE,
FILTER 1-12) on a separate MIDI channel with MIDI
notes. Each sequencer trigger track has its own
note number (like a drum module).

SET THE MIDI CHANNEL for the 14 trigger tracks
as follows: Press the MIDI button once (the button
lights up). The display shows "CHn". Now press one
of the filter buttons once (to select the trigger tracks).
The display shows the MIDI channel. Then turn the
VALUE knob to change the MIDI channel .

**SET THE NOTE NUMBERS for each of the 14 trig-
ger tracks** as follows: Press the MIDI button until the
display shows "**not**". Now press one of the 14 trig-
ger buttons once. The display shows the note num-
ber of this track. Then turn the VALUE knob to chan-
ge the note number. Set the other channels as well.

Turn the BANDLEVEL knob towards the **SYNTH**
position.   **See also steps 8 and 9 !**

Turn the BANDLEVEL knob towards the **SEQU**
position.   **See also steps 8 and 9 !**