
ZZOMBEE
2022
NO·001
MORE HONEY!
WINGSPAN
DEPTH
ZZOMBEE
FILTREMULATOR
BEE RATE
RAMP DOWN
OFF
FILTER
BEETRONICS
PRESETS
1
2
SURVIVAL GUIDE



CONGRATZZZ!

YOU GOT STUNG BY A ZZOMBEE

DON'T PANIC! WE'LL HELP YOU TO MAKE THE MOST OUT OF THIS BUZZ.

THE ZZOMBEE "FILTREMULATOR" IS A ONE OF A KIND ANALOG MULTI EFFECT THAT DELIVERS FILTER, WAH, LFO, RANDOMIZED FILTER, CROSS-TREMOLO, TREMOLO, SWELL, OVERDRIVE, FUZZ, LOW-OCTAVE AND...

A TON OF BUZZING UNIQUE TONES!

THE INSTRUMENT SIGNAL CAN GO FROM DRY TO FUZZ AND RUNS IN PARALLEL TO A MONOPHONIC LOW-OCTAVE BEEAST.

THREE MODES OF MODULATED FILTER CAN CREATE WAH-LIKE EFFECTS, HONEY WAVES OF LFO OR THE MOST MUSICAL RANDOM PATTERNS.

THREE MODES OF MODULATED AMPLITUDE CAN CREATE THE HONEY PATENTED CROSS-TREMOLO, TRADITIONAL TREMOLO OR VOLUME SWELLS.

ITS INNOVATIVE WAY OF RAMPING AND CONTROLLING MODULATION MOVEMENTS THROUGH A MOMENTARY FOOTSWITCH MAKE THE PEDAL AN EXTENSION OF YOUR INSTRUMENT, BEECOMING AN ESSENTIAL TOOL TO EXPAND YOUR CREATIVITY.

THIS DIGITALLY PARASITIZED ANALOG BEE CAN SAVE PRESETS AND HAS EXPRESSION, CV AND EXTERNAL TAP OPTIONS.

NOW LET'S LEARN HOW TO BEE A ZZOMBEE!

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24 EXPRESSION INPUT
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DON T BEE AFRAID...

ZZOMBEE MAP

JUST BEE YOURSELF!

1 MODE TOGGLE
FILTER ON - SELECTS BETWEEN FILTER MODES **RAMP-LFO-MAD**
FILTER OFF - SELECTS BETWEEN AMPLITUDE MODES **PAR-X-BEE**

2 DC POWER JACK +9VDC CENTER NEGATIVE POLARITY
CURRENT DRAW 100MA

3 PARASITE (TAPDIV/RAMP UP) - SETS LOW OCTAVE VOLUME
*TAP DIV - TAP DIVISION ON **LFO/X MODES**
*RAMP UP - SPEED OF THE RAMP UP ON **RAMP/PAR/BEE MODES**
* PATTERN SELECTOR ON **MAD MODE**

4 WINGSPAN (DEPTH)
FILTER SWEEP ON ALL FILTER MODES
DEPTH ON MODE **X**
OCTAVE TONE CONTROL ON MODES **PAR/BEE**
*DEPTH ON MODES **RAMP/LFO/MAD**
*OCTAVE TONE CONTROL ON MODE **X**

5 RAMP/RATE LED
INDICATES RATE OR RAMP STATE

6 OUTPUT JACK

7 RAMP/RATE FOOTSWITCH
TAP FOR TAP TEMPO
HOLD TO TRIGGER RAMP
OR MOMENTARILY START/STOP MODULATION



8 BUZZ LEVEL TOGGLE - SELECTS GAIN LEVEL FOR **BEE** SIGNAL
*USE ALT-CONTROL - SELECTS LOWER GAIN LEVEL

9 BEE (RATE/RAMP DOWN)
SETS INSTRUMENT LEVEL
*RATE - MODULATION RATE ON MODES **X/LFO/MAD**
*RAMP DOWN - SPEED OF THE RAMP DOWN ON MODES **RAMP/PAR/BEE**

10 FILTER ROUTER TOGGLE
LEFT- FILTER ON PARASITE **RIGHT**- FILTER ON BEE
CENTER - TURNS FILTER OFF
WHEN OFF, ENTERS AMPLITUDE MODES.

11 EXP JACK
EXP PEDAL/CV/EXT TAP

12 BYPASS LED
INDICATES EFFECT ON/OFF

13 INPUT JACK

14 PRESET TOGGLE
SELECT BETWEEN **LIVE** OR PRESET **1** AND **2**
*USE ALT-CONTROL TO SELECT PRESETS 3,4 AND 5

15 BYPASS FOOTSWITCH
TAP- EFFECT ON/OFF
DOUBLE TAP- START/STOP MODULATION/INVERT RAMP DIRECTION.
HOLD FOR ALT-CONTROLS

SAVING PRESETS - HOLD BOTH FOOTSWITCHES (2 SEC) TO ENTER SAVING MODE, ONCE IN SAVING MODE SELECT DESIRED PRESET AND HOLD BOTH FOOTSWITCHES AGAIN TO SAVE IT.

●*RED MEANS ALTERNATE CONTROL FUNCTION - REQUIRES HOLDING BYPASS FOOTSWITCH

QUICK START
FOR NEWBEES

WE KNOW A ZZOMBEE CAN BEE SCARY AT FIRST.
HERE'S HOW TO QUICKLY GET SOME SWEET SOUNDS OUT OF THIS BEE:

1 - CHOOSE BETWEEN FILTER OR AMPLITUDE (USE FILTER ROUTER TOGGLE)



RIGHT (HONEY) - FILTER ON INSTRUMENT SIGNAL
LEFT (OCTAVE) - FILTER ON LOW OCTAVE
CENTER (OFF) - FILTER OFF (AMPLITUDE)

2 - CHOOSE ONE OF THE 3 MODES (USE MODE TOGGLE)



• FILTER ON

RAMP - WAH EFFECT (HOLD LEFT FOOTSWITCH)
LFO - LFO FILTER (TAP LEFT FOOTSWITCH)
MAD - RANDOMIZED FILTER (TAP LEFT FOOTSWITCH)

• FILTER OFF (AMPLITUDE)

PAR - LOW OCTAVE VOLUME SWELLS (HOLD LEFT FOOTSWITCH)
X - CROSS TREMOLO (TAP LEFT FOOTSWITCH)
BEE - INSTRUMENT SIGNAL VOLUME SWELLS (HOLD LEFT FOOTSWITCH)

3 - USING BEE AND PARASITE SET THE LEVELS BETWEEN THE INSTRUMENT SIGNAL AND LOW OCTAVE. YOU CAN ALWAYS ROLL ONE OF THEM OFF.

4 - SET THE GAIN LEVEL FOR THE BEE SIGNAL
(USE BUZZ LEVEL TOGGLE)



5 - USE THE WINGSPAN TO SET THE SWEEP AND DEPTH (*ALT-CONTROL) ON FILTER MODES OR THE DEPTH AND OCTAVE TONE ON AMPLITUDE MODES.

*EVERY KNOB HAS AN ALTERNATE CONTROL. TO ACCESS IT SIMPLY HOLD THE BYPASS FOOTSWITCH AND TWEAK THE KNOB. ONCE YOU ARE DONE TWEAKING LET GO OF THE FOOTSWITCH AND YOU ARE BACK TO THE MAIN CONTROL.
*REFER TO ZZOMBEE MAP TO SEE ALL ALT-CONTROLS

6 - BEE YOURSELF!

GAIN SECTION

TRUE FACT - "ZOMBEES ARE HONEYBEES THAT HAVE BEEN INFECTED BY PARASITE FLIES THAT TURN THE HONEYBEES INTO HOSTS. THE INFECTION CAUSES THE HONEYBEES TO ACT IN A ZOMBIE-LIKE STATE." (NOT A JOKE, GOOGLE IT!)

THE ZZOMBEE HAS AN INCREDIBLE VARIETY OF TONES GOING FROM DRY, TO OVERDRIVE, TO HIGH GAIN FUZZ. IT CAN BEE USED SIMPLY AS A DRIVE/FUZZ PEDAL WITH THE OPTION OF MOMENTARILY ADDING THE LOW OCTAVE. HERE'S HOW TO GET STARTED WITH THE GAIN SECTION:

• SET THE **BEE** VOLUME - THIS IS YOUR **INSTRUMENT SIGNAL**. IT'S FULLY CLEAN BUT YOU CAN ALSO ADD GAIN IF YOU WOULD LIKE.



• USE THE **BUZZ LEVEL TOGGLE TO ADD GAIN** TO THE INSTRUMENT SIGNAL. GOING FROM A LIGHT PREAMP TO A HIGH GAIN FUZZ. DRY IS A FULLY CLEAN SIGNAL. BZ ADDS A BIT OF OVERDRIVE AND BZZ GETS THINGS REALLY BUZZING.



• SET THE **PARASITE** VOLUME - THIS IS THE MONOPHONIC **LOW OCTAVE**.

FIND A GOOD BALANCE BETWEEN THE **BEE** AND **PARASITE**. YOU CAN ALSO ROLL OFF ONE OF THEM AND HAVE JUST THE INSTRUMENT SIGNAL OR JUST THE OCTAVE SOUND



FOR CHORDS OR INTRICATE INTERVALS, WE RECOMMEND ROLLING OFF THE PARASITE, GIVEN THE MONOPHONIC NATURE OF THE LOW-OCTAVE.

YOU CAN ALSO USE THE PAR MODE TO MAKE THE LOW OCTAVE MOMENTARY AND ADD IT ONLY ON CERTAIN SECTIONS. (CHECK PAGE 18)

"LOWER GAIN" ALTERNATE OPTION

THE "LOWER GAIN" ALTERNATE OPTION GIVES YOU **TWO OTHER GAIN LEVELS**. THESE CAN BE REALLY USEFUL ON BASS, KEYS OR ANYWHERE YOU WANT A MORE SUBTLE DRIVE.

TO ACCESS THESE SIMPLY HOLD DOWN THE BYPASS FOOTSWITCH AND FLICK THE BUZZ LEVEL TOGGLE TO THE DESIRED POSITION. HERE'S A GAIN LEVEL CHART WITH ALL THE GAIN OPTIONS:

	DRY	BZ	BZZ
REGULAR	CLEAN	2	4
ALT-CONTROL	CLEAN	1	3

FILTER ON

THE ZZOMBEE FILTER IS A LOW PASS TYPE WITH A VERY HIGH Q FACTOR THAT IS EXTREMELY MUSICAL AND VERY UNIQUE. IT CAN CREATE SOUNDS THAT WOULD REQUIRE A VERY COMPLEX RIG TO MAKE IT.

THAT'S BECAUSE THERE ARE TWO SIGNALS RUNNING IN PARALLEL - BEE AND PARASITE - AND YOU CAN ROUTE THE FILTER TO AFFECT ONE OF THEM WHILE THE OTHER REMAINS UNTOUCHED. A LOT OF DIFFERENT TEXTURES AND TONES CAN BE CREATED WITH THAT. YOU CAN ALSO ROLL OFF ONE OF THE SIGNALS TO BE LEFT WITH ONLY THE FILTERED SIGNAL.

THERE ARE THREE FILTER MODES:

RAMP MODE WILL MAKE A WAH-LIKE EFFECT BUT USING A MOMENTARY SWITCH TO TRIGGER THE RAMP. YOU CAN SET THE RAMP SPEED UP AND DOWN. YOU CAN INVERT THE DIRECTION OF THE RAMP AND YOU CAN ALSO LOCK ONE OF THE MOVEMENTS TO TRIGGER ONLY DOWN OR UP RAMPS EVERY TIME YOU HOLD THE MOMENTARY SWITCH.

LFO MODE HAS AN LFO CONTROLLING THE FILTER MOVEMENT. IT CAN GO FROM ULTRA SLOW TO EXTREMELY FAST SPEEDS. YOU CAN USE THE RAMP FOOTSWITCH TO TAP-TEMPO OR TO MOMENTARILY START/STOP THE LFO.

MAD MODE HAS 65536 DIFFERENT RANDOM FILTER PATTERNS. THEY GO FROM SLOW SUBDIVISIONS TO FAST AS YOU ROLL THE TAP-DIV CONTROL UP. YOU CAN ALSO TAP-TEMPO AND MOMENTARILY START/STOP THE FILTER MOVEMENT USING THE RAMP FOOTSWITCH.

WINGSPAN / DEPTH CONTROLS

THE WINGSPAN AND ITS ALTERNATE CONTROL DEPTH ARE THE MOST IMPORTANT CONTROLS FOR THE FILTER.

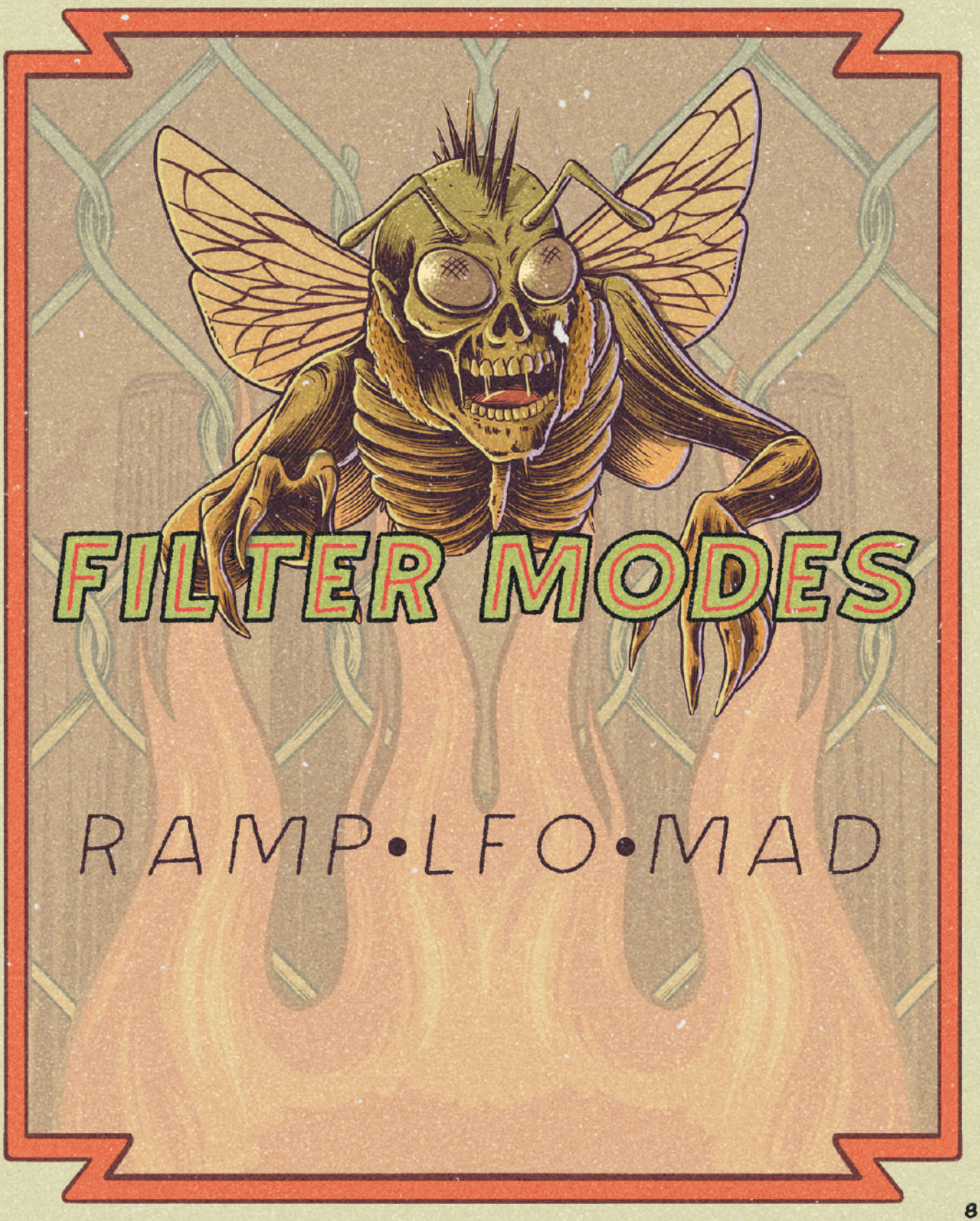


THEY SET THE BOTTOM AND TOP FREQUENCIES AND WILL SHAPE THE TONAL CHARACTHER OF YOUR SOUND.

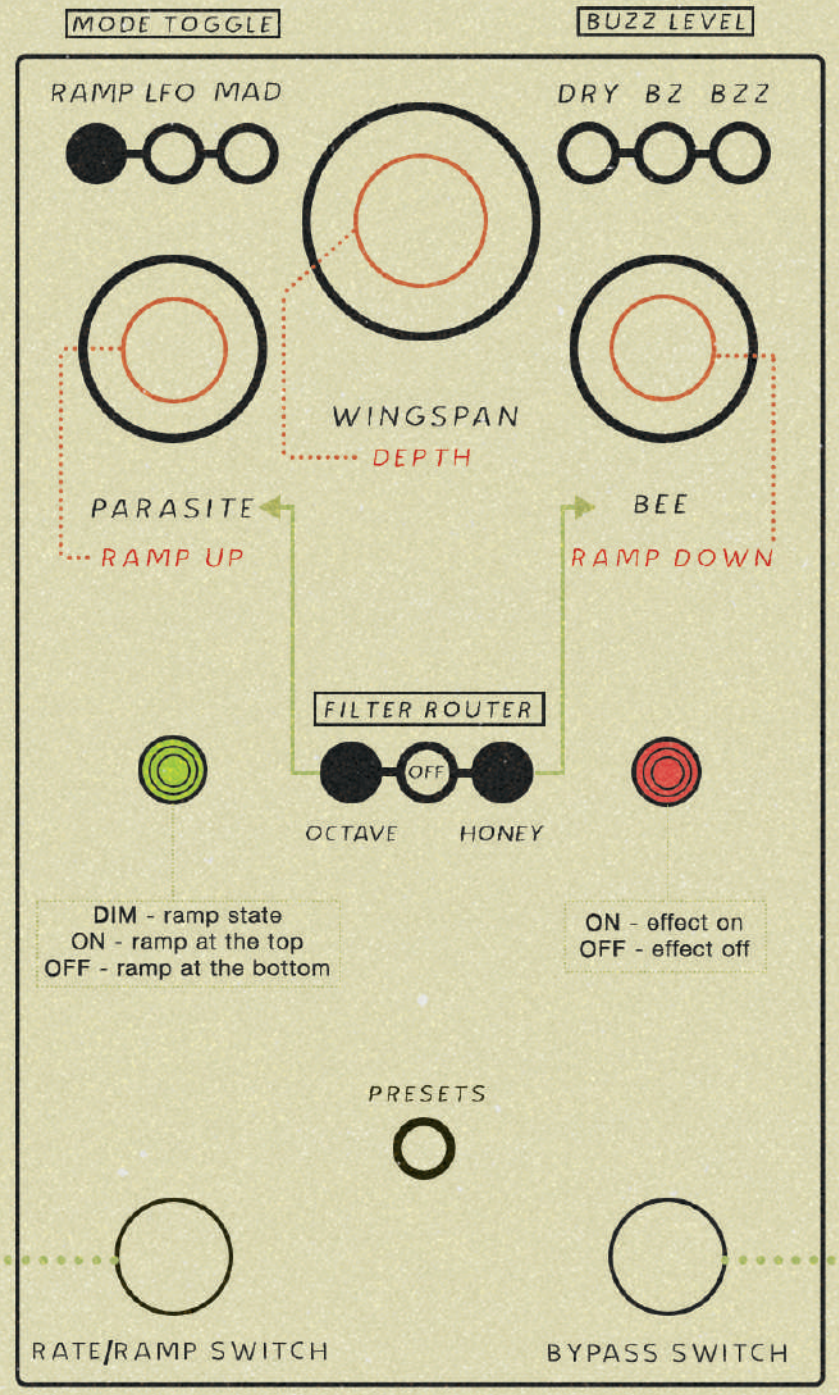
DIAL THE WINGSPAN FOR THE BOTTOM, AND USE ITS "ALT-CONTROL" DEPTH TO DIAL THE TOP.

IT'S VERY IMPORTANT TO UNDERSTAND THAT THE "GAP" BETWEEN THE TOP AND BOTTOM IS THE RANGE OF THE FILTER MOVEMENT. THERE ARE MANY SWEET SPOTS WHEN YOU COMBINE THESE TWO CONTROLS. THE FILTER CAN TRAVEL SHORT OR LONG DISTANCES IN DIFFERENT RANGES.

ON RAMP MODE THESE TWO CONTROLS WILL SET THE HEEL (WINGSPAN) AND TOE (DEPTH) POSITION. TWEAKING THEM IS LIKE HAVING MANY DIFFERENT WAH PEDALS IN ONE.


FILTER MODES
RAMP•LFO•MAD

RAMP MODE



● required toggle selection for this mode

○ alternate controls

TAP for tap-tempo

HOLD to trigger ramp up
LET GO to trigger ramp down

ONE TAP for bypass
DOUBLE TAP to invert ramp direction
HOLD to tweak alternate controls

RAMP MODE

FILTER ON

MODE TOGGLE



LEFT POSITION

RAMP MODE ALLOWS YOU TO CONTROL THE FILTER MOVEMENT UP AND DOWN. IT WORKS SIMILAR TO A WAH PEDAL. BUT WITH A MOMENTARY SWITCH TRIGGERING THE RAMPS.

HOLD THE RAMP FOOTSWITCH TO TRIGGER THE RAMP UP AND LET GO TO TRIGGER THE RAMP DOWN. DOUBLE TAP THE BYPASS TO INVERT THE RAMP DIRECTION.

MAKE SURE TO EXPLORE DIFFERENT SPEEDS AND RAMPING OPTIONS LIKE SETTING RAMP UP AT MINIMUM (IMMEDIATE CHANGE) OR SETTING RAMP DOWN AT MAXIMUM WHERE IT ONLY RAMPS UP AND STAYS AT THE FILTER TOP.

THERE'S A LOT MORE THAN JUST A REGULAR WAH TYPE OF USE. BEE CREATIVE!

ADJUSTING THE RAMP SPEED:

WHILE HOLDING DOWN THE BYPASS FOOTSWITCH (RIGHT) TWEAK THE SPEED FOR THE RAMP UP (PARASITE ALT-CONTROL) AND RAMP DOWN (BEE- ALT-CONTROL).

RAMP UP ← 

→ RAMP DOWN

- CLOCKWISE WILL MAKE THE RAMP LONGER (SLOWER).
- COUNTER CLOCKWISE WILL MAKE THE RAMP SHORTER (FASTER).
- FULLY COUNTER CLOCKWISE WILL MAKE THE SWITCH IMMEDIATE.
- IF THE RAMP DOWN IS FULLY CLOCKWISE THE RAMP WILL ONLY GO UP AND STAY AT THE FILTER TOP (OR BOTTOM. IF INVERTED).

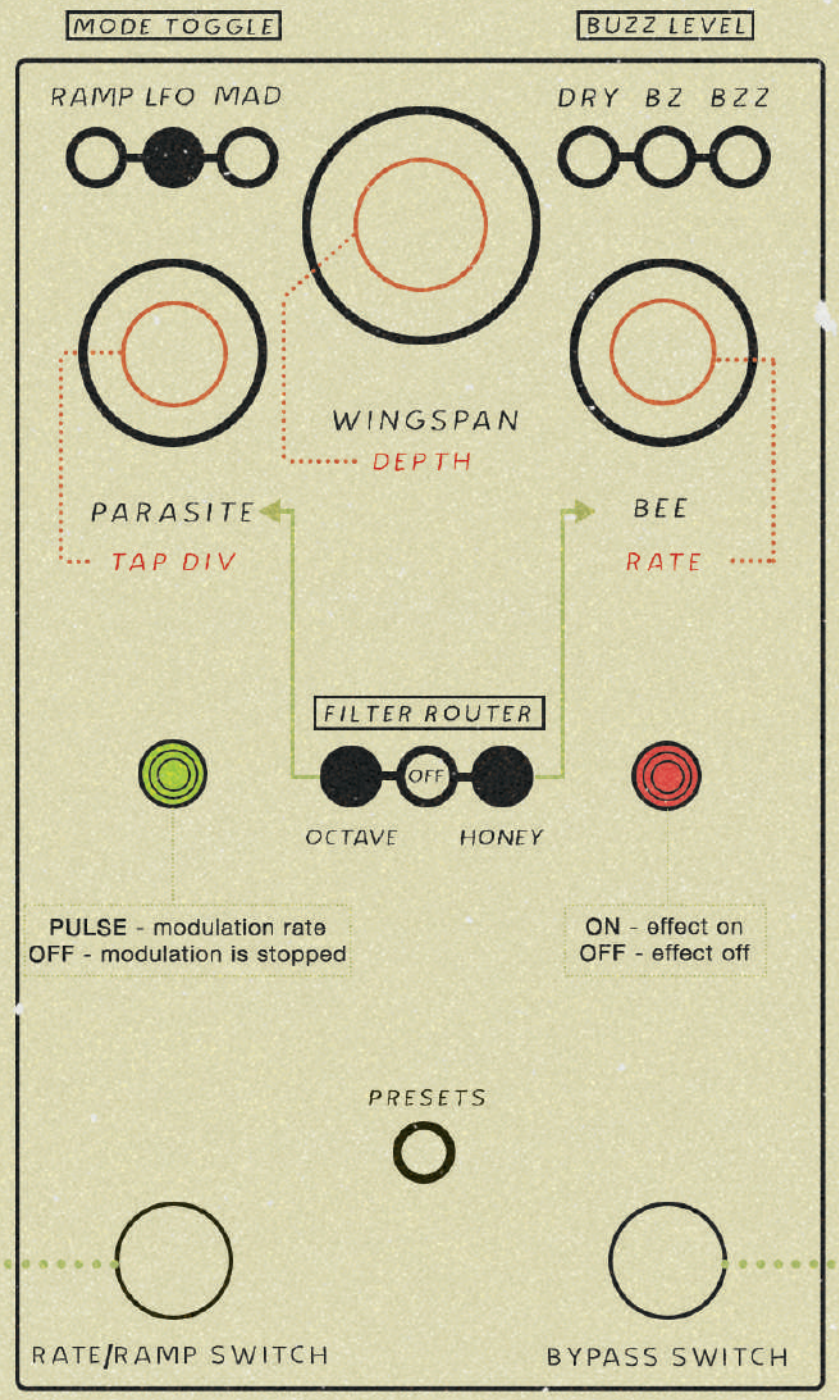
THE RAMP/RATE LED (LEFT) WILL INDICATE THE STATE OF THE RAMP BY BRIGHTENING UP AND DIMMING DOWN.

INVERTING THE RAMP DIRECTION

WHEN FIRST SELECTING RAMP MODE. THE RAMP WILL BE SET TO GO FROM BOTTOM TO TOP. LIKE HEEL TO TOE ON A WAH.

YOU CAN INVERT THE DIRECTION BY DOUBLE TAPPING THE BYPASS FOOTSWITCH. THIS WILL MAKE THE RAMP GO FROM TOP TO BOTTOM. THERE'S A TON OF COOL SOUNDS THAT CAN BE ACHIEVED THIS WAY. BEE AWESOME!

LFO MODE



● required toggle selection for this mode

○ alternate controls

TAP for tap-tempo

HOLD to momentarily start/stop modulation movement

ONE TAP for bypass
DOUBLE TAP to start/stop modulation movement
HOLD to tweak alternate controls

LFO MODE

FILTER ON

IN THIS MODE THE FILTER MOVEMENT IS CONTROLLED BY AN LFO.

MODE TOGGLE



CENTER POSITION

YOU CAN SET THE LFO RATE WITH TAP-TEMPO OR YOU CAN USE THE RATE KNOB (BEE ALT-CONTROL).

WHEN USING THE TAP-TEMPO THE MAXIMUM DISTANCE BETWEEN TAPS IS 2 SECONDS. IF YOU WOULD LIKE SLOWER SPEEDS TWEAK THE TAP-DIV OR USE THE RATE KNOB.

WHEN YOU SELECT LFO MODE, THE LFO MODULATION STARTS BY DEFAULT.

TO STOP IT, DOUBLE TAP THE BYPASS FOOTSWITCH. TO RESTART, DOUBLE TAP IT AGAIN.

HOLDING THE RAMP FOOTSWITCH WILL MOMENTARILY START/STOP THE LFO MODULATION. YOU CAN GET REALLY CREATIVE WITH THAT ADDING LFO MODULATION TO SMALL SECTIONS WHILE YOU PLAY.

MAKE SURE TO EXPLORE THE EXTREMES OF THE LFO RATE. AT ITS FASTEST RATES YOU CAN CREATE INSANE RING MODULATOR TYPE OF SOUNDS. AT ITS SLOWEST RATES YOU CAN GET LUSH WAVES OF HONEY WITH UP TO 33 SECONDS LONG CYCLES.

SETTING THE TAP DIVISION (TAP-DIV)



WHEN YOU SELECT LFO MODE, THE TAP DIV GETS SET TO A WHOLE NOTE BY DEFAULT.

THERE ARE 7 SUBDIVISIONS TO CHOOSE FROM.

HOLD DOWN THE BYPASS FOOTSWITCH AND USE THE TAP-DIV KNOB (PARASITE ALT-CONTROL) TO SELECT YOUR DESIRED SUBDIVISION. YOU CAN HEAR THE SUBDIVISIONS WHILE TWEAKING.

WHEN SELECTING THE SPEED USING THE RATE KNOB YOU CAN ALSO USE THE TAP-DIV AFTER IT TO MULTIPLY/SUBDIVIDE THE SELECTED RATE. ITS ORIGINAL RATE IS BASED ON A WHOLE NOTE.

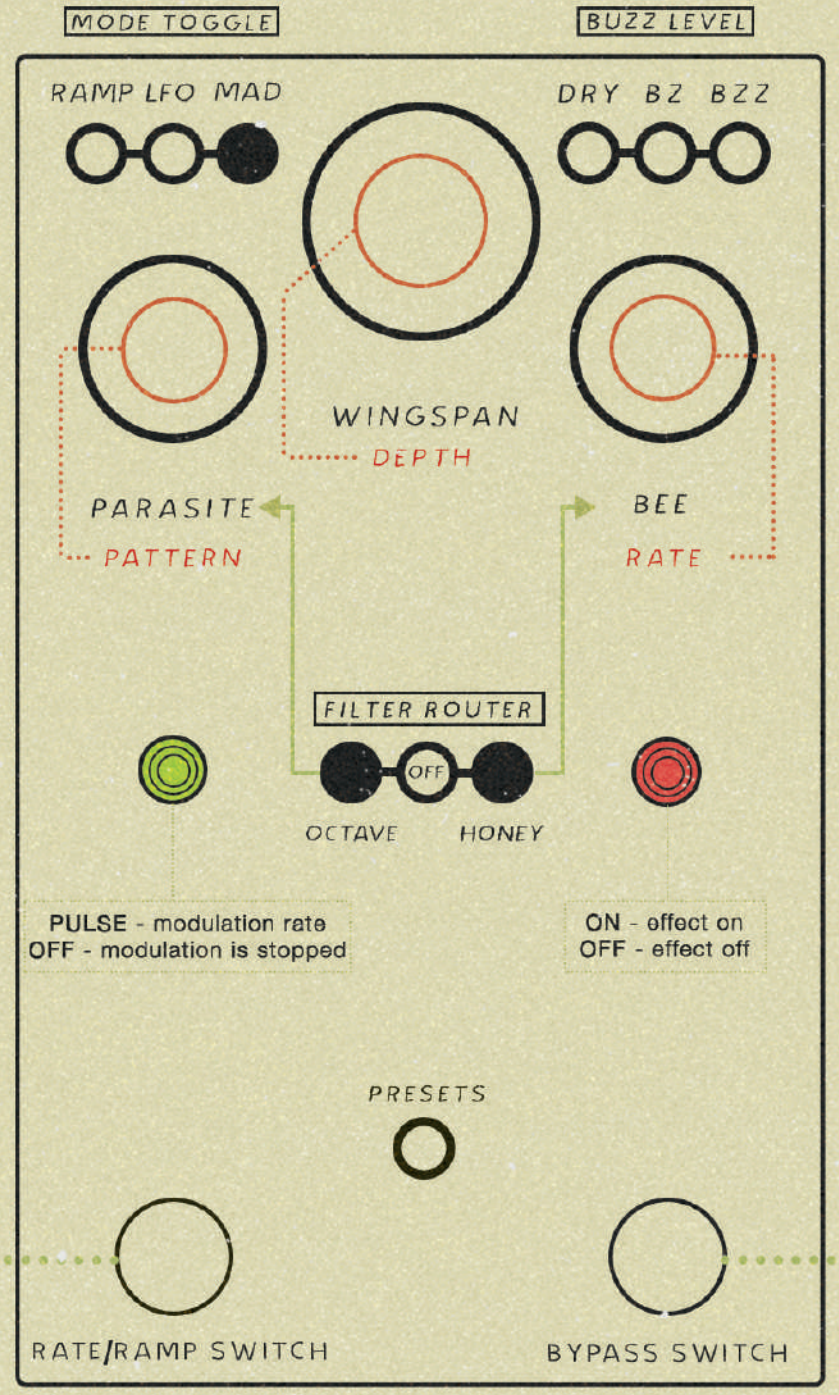
PLAYING ON THE UPTEMPO

THE LFO SINEWAVE NORMALLY WILL HAVE ITS PEAK FOLLOWING THE DOWNBEAT OF THE TAP-TEMPO.

IF YOU WOULD LIKE TO DISPLACE IT, SO THE PEAK OF THE WAVE HITS THE UP TEMPO (YES, LIKE DANCE MUSIC!), SIMPLY HOLD DOWN THE BYPASS SWITCH (SAME PROCESS AS ALTERNATE CONTROLS) WHILE FLICKING THE MODE TOGGLE TO THE LFO MODE.

THE WAVE PEAK WILL REMAIN ON THE UPTEMPO UNTIL YOU EXIT THE LFO MODE.

MAD MODE



○ alternate controls

● required toggle selection for this mode

TAP for tap-tempo

HOLD to momentarily start/stop modulation movement

ONE TAP for bypass
DOUBLE TAP to start/stop modulation movement
HOLD to tweak alternate controls

MAD MODE

FILTER ON

MODE TOGGLE



RIGHT POSITION

IN MAD MODE THERE ARE THOUSANDS OF RANDOM FILTER PATTERNS TO CHOOSE FROM. IN FACT 65536 DIFFERENT PATTERNS.

IN THIS MODE THE TAP-DIV (PARASITE ALT-CONTROL) IS NOW USED TO SCROLL THROUGH ALL THE DIFFERENT PATTERNS.

THE ZZOMBEE CAN GENERATE EXTREMELY MUSICAL PATTERNS THAT KEEP RENOVATING AS YOU SCROLL THE KNOB UP AND DOWN.

THE WINGSPAN AND DEPTH CONTROLS WILL REALLY AGGRAVATE THE RHYTHMIC CHARACHTER OF THE PATTERNS. SETTING IT TO LOWER FREQUENCIES (ROLL DOWN WINGSPAN) WILL MAKE THE PATTERNS SOUND MORE RHYTHMIC. SETTING IT TO HIGHER FREQUENCIES (ROLLING UP THE WINGSPAN) WILL MAKE THE PATTERNS MORE SUBTLE AND AMBIENT.

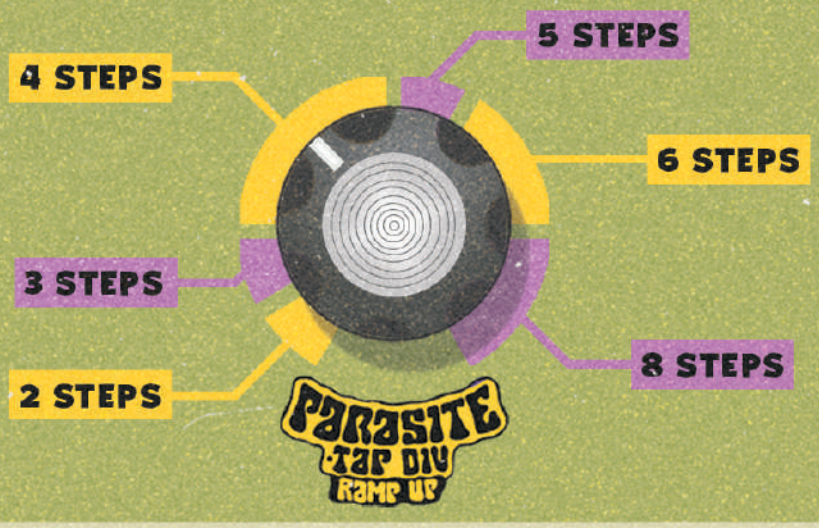
SELECTING A RANDOM PATTERN

TO SCROLL THROUGH THE PATTERNS YOU MUST USE THE ALTERNATE CONTROL OF THE PARASITE KNOB.

FOR THAT, HOLD DOWN THE BYPASS FOOTSWITCH AND TWEAK THE PARASITE KNOB.

THERE ARE DIFFERENT "SUBDIVISIONS" FOR THE PATTERNS. THEY CAN HAVE 2, 3, 4, 5, 6 OR 8 STEPS PER BEAT. NATURALLY 8 STEPS WILL SOUND FASTER THAN 2 STEPS PER BEAT. EVERY PATTERN HAS 8 BARS (32 BEATS).

THE DIAGRAM BELOW SHOWS HOW THE STEPS ARE SPREAD ON THE KNOB.
KNOWING THIS MAKES IT EASIER TO FIND A PATTERN THAT FITS YOUR MUSICAL IDEA.



FILTER OFF
AMPLITUDE MODES

WHEN THE **FILTER ROUTER TOGGLE** IS SET TO THE **OFF POSITION** (CENTER) THE ZZOMBEE BECOMES A WHOLE DIFFERENT BEEAST.

FILTER OFF MEANS THE **ZZOMBEE WILL NOW MODULATE AMPLITUDE.**

ON THE AMPLITUDE MODES YOU CAN CREATE TREMOLO, CROSS TREMOLO, VOLUME SWELLS OR EVEN JUST USE THE PEDAL AS A DRIVE, FUZZ OR/AND LOW OCTAVE.



OFF
(CENTER POSITION)

USE THE **MODE TOGGLE** TO SWITCH BETWEEN MODES. THERE ARE **THREE AMPLITUDE MODES:**



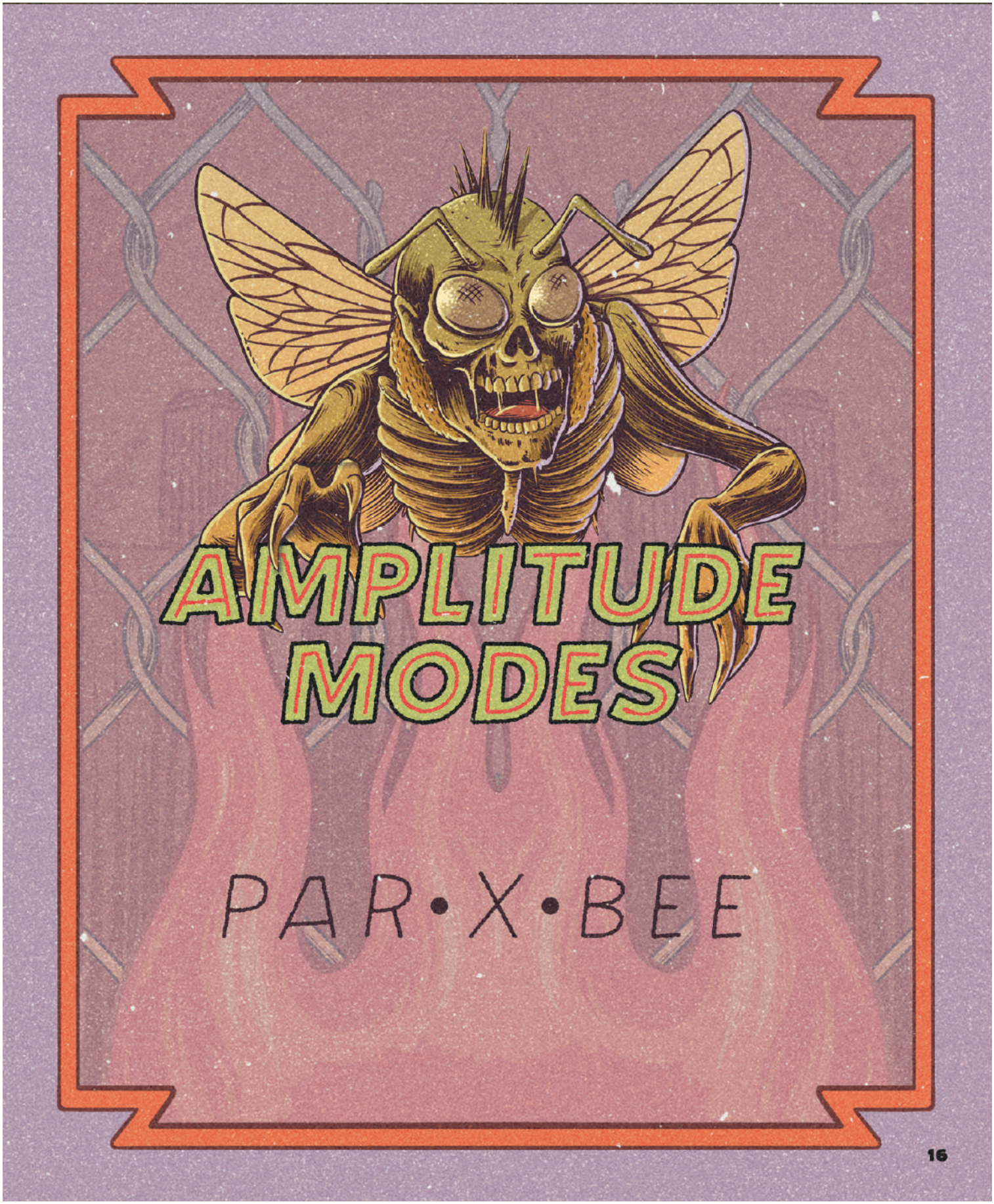
PAR AND BEE MODES ARE VERY SIMILAR. IN THESE MODES YOU CAN SET VOLUME RAMPS, JUST LIKE IN THE "RAMP MODE" (FILTER ON) BUT NOW WE 'RE **RAMPING THE VOLUME OF EACH SIGNAL** (PARASITE OR BEE). YOU CAN ALSO MAKE IMMEDIATE RAMPS TO ADD EACH SIGNAL MOMENTARILY.

X MODE LETS YOU CREATE A NEVER BEEFORE HEARD EFFECT. THE **CROSS TREMOLO**, UNIQUE TO THIS PEDAL. **THE TREMOLO PULSE ALTERNATES BETWEEN THE BEE AND PARASITE, MAKING AN OCTAVE JUMP AT EVERY CYCLE.** YOU CAN ALSO MAKE IT A REGULAR TREMOLO BY ROLLING OFF ONE OF THE SIGNALS. THIS IS AN INCREDIBLE SOUNDING TREMOLO THAT CAN GO FROM MELLOW PULSES TO CHOPPY AND INTENSE BUMBLEBEE FLYING SOUNDS!

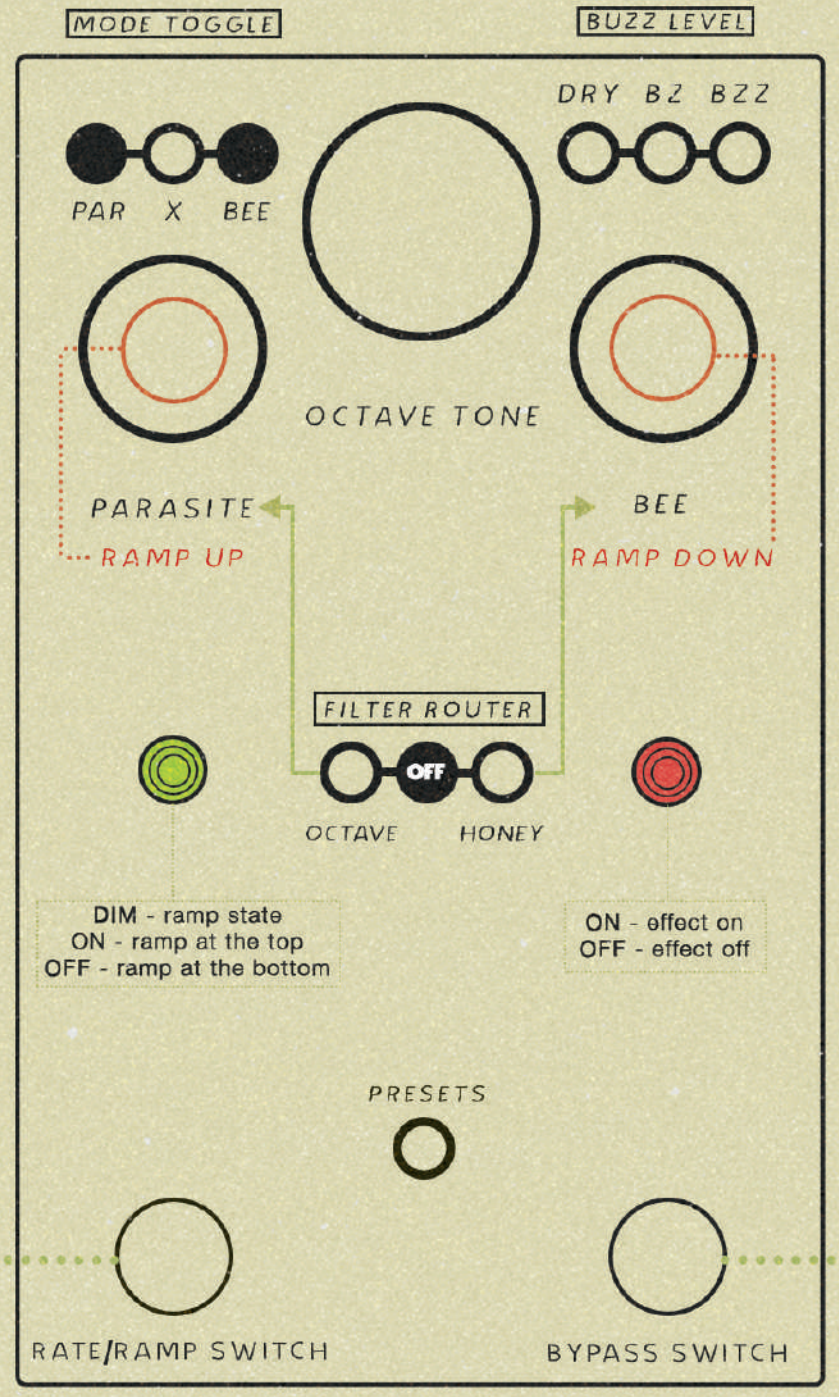
IN THESE MODES THE **WINGSPAN** WILL SET THE **LOW OCTAVE TONE** (PAR/BEE MODES) OR THE **DEPTH** (X MODE).

IN THE NEXT PAGES WE'LL TAKE A DEEPER LOOK AT EACH AMPLITUDE MODE.




AMPLITUDE
MODES
PAR•X•BEE

PAR-BEE MODE



● required toggle selection for this mode

○ alternate controls

TAP for tap-tempo

HOLD to trigger ramp up
LET GO to trigger ramp down

ONE TAP for bypass
DOUBLE TAP to invert ramp direction
HOLD to tweak alternate controls

PAR / BEE MODES

FILTER OFF

MODE TOGGLE



LEFT/RIGHT POSITION

THESE MODES ARE VERY SIMILAR TO THE FILTER RAMP MODE. HOWEVER, IT RAMPS THE VOLUME OF THE PARASITE OR BEE SIGNALS.

IN THESE MODES THE WINGSPAN FUNCTIONS AS A TONE CONTROL FOR THE PARASITE (LOW OCTAVE).

USE THE RAMP UP AND RAMP DOWN CONTROLS TO SET THE RAMP SPEED.

ADJUSTING THE RAMP SPEED:

WHILE HOLDING DOWN THE BYPASS FOOTSWITCH (RIGHT) TWEAK THE SPEED FOR THE RAMP UP (PARASITE ALT-CONTROL) AND RAMP DOWN (BEE- ALT-CONTROL).

RAMP UP



RAMP DOWN

- CLOCKWISE WILL MAKE THE RAMP LONGER (SLOWER).
- COUNTER CLOCKWISE WILL MAKE THE RAMP SHORTER (FASTER).
- FULLY COUNTER CLOCKWISE WILL MAKE THE SWITCH IMMEDIATE.
- IF THE RAMP DOWN IS FULLY CLOCKWISE THE RAMP WILL ONLY GO UP AND STAY AT THE FILTER TOP (OR BOTTOM, IF INVERTED).

THE RAMP/RATE LED (LEFT) WILL INDICATE THE STATE OF THE RAMP BY BRIGHTENING UP AND DIMMING DOWN.

USING IT VEZZPA STYLE!

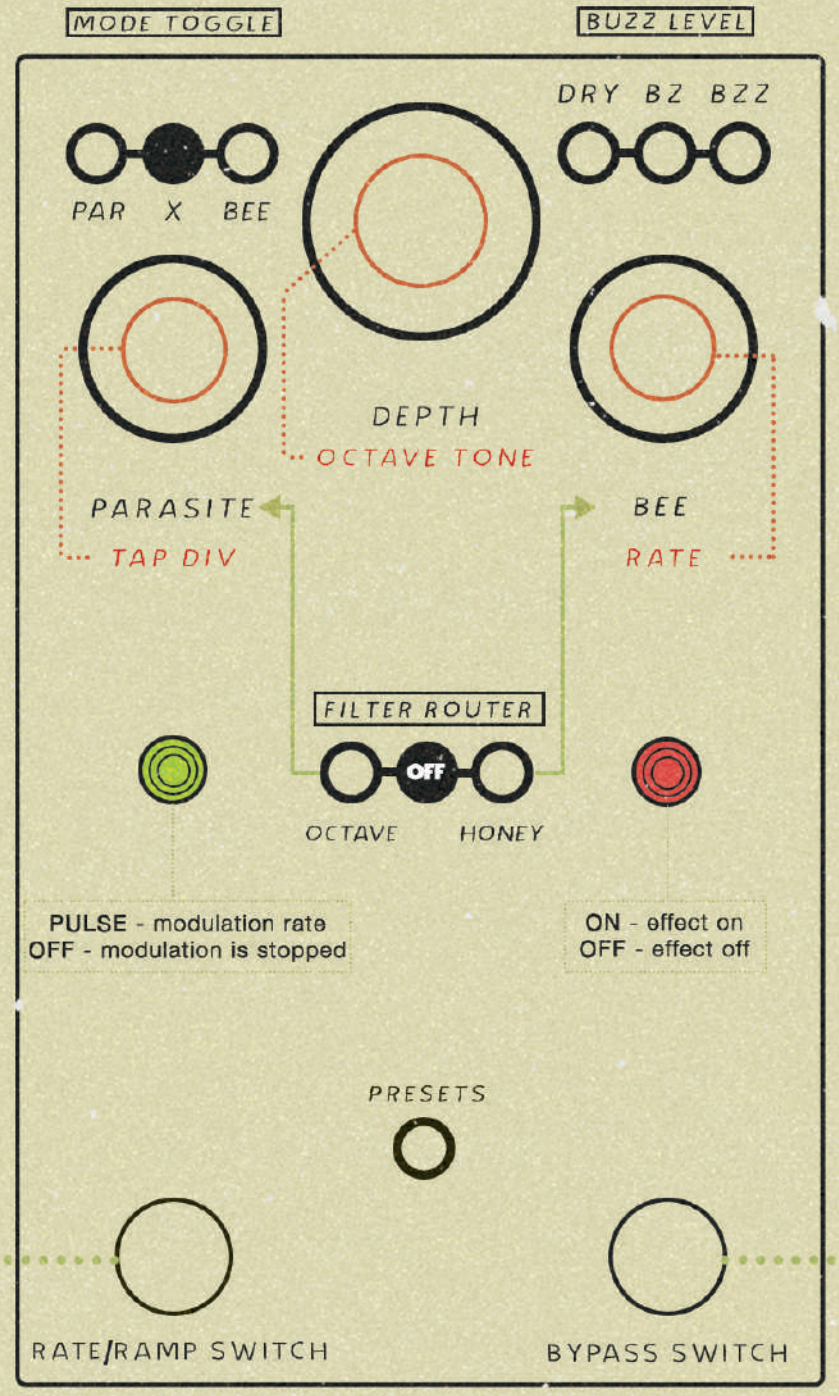
HERE'S A COOL TRICK THAT YOU CAN DO WITH PAR AND BEE MODES.

IF YOU ROLL THE RAMP UP AND RAMP DOWN CONTROLS FULLY COUNTER CLOCKWISE THE SWITCH BECOMES IMMEDIATE. NO RAMP. THAT ALLOWS YOU TO HAVE ACCESS TO ONE OF THE SOUNDS (PARASITE OR BEE) WITH THE RAMP FOOTSWITCH. JUST ADDING IT MOMENTARILY AS YOU HOLD THE FOOTSWITCH.

FOR EXAMPLE: DOING THAT ON PAR MODE WILL MAKE YOU HAVE IMMEDIATE ACCESS TO THE LOW OCTAVE. JUST FIND A GOOD BALANCE BETWEEN BEE AND PARASITE AND HAVE FUN.

THIS IS SIMILAR TO OUR VEZZPA PEDAL BUT NOW WITH A LOW OCTAVE INSTEAD OF HIGH.

X MODE



○ alternate controls

● required toggle selection for this mode

TAP for tap-tempo

HOLD to momentarily start/stop modulation movement

ONE TAP for bypass
DOUBLE TAP to start/stop modulation movement
HOLD to tweak alternate controls

X MODE (CROSS TREMOLO) FILTER OFF



IN THIS MODE A TREMOLO EFFECT IS APPLIED TO BOTH SIGNALS (BEE/PARASITE).

THE TREMOLO PULSE ALTERNATES BETWEEN BEE AND PARASITE, BOUNCING BACK AND FORTH FROM ONE TO ANOTHER. THIS ALTERNATION BETWEEN ROOT AND THE LOW OCTAVE IS AN EFFECT UNIQUE TO THIS PEDAL. WE CALL IT THE CROSS TREMOLO.

IN THIS MODE THE WINGSPAN FUNCTIONS AS A DEPTH CONTROL. THE WAVESHAPE OF THE TREMOLO MORPHS FROM SINE TO SQUARE WAVE AS DEPTH INCREASES.

USE THE WINGSPAN ALT-CONTROL TO SET THE TONE FOR THE LOW OCTAVE.

WHEN YOU SELECT X MODE THE TREMOLO MODULATION STARTS BY DEFAULT.

TO STOP IT, DOUBLE TAP THE BYPASS FOOTSWITCH. TO RESTART, DOUBLE TAP IT AGAIN.

HOLDING THE RAMP FOOTSWITCH WILL MOMENTARILY START/STOP THE TREMOLO. YOU CAN GET REALLY CREATIVE WITH THAT ADDING TREMOLO TO SMALL SECTIONS WHILE YOU PLAY.

THE RAMP/RATE LED (LEFT LED) WILL INDICATE THE RATE AND DEPTH OF THE TREMOLO. IF THE TREMOLO IS TURNED OFF THIS LED WILL STOP.

*FOR TAP-DIV INSTRUCTIONS, REFER TO DIAGRAM ON LFO MODE PAGE.

"STANDARD" TREMOLO

YOU CAN ALSO USE THE ZZOMBEE AS A "STANDARD" TREMOLO, WITHOUT THE CROSS EFFECT. ALL YOU HAVE TO DO IS TO ROLL OFF EITHER THE PARASITE OR BEE AND YOU WILL HAVE THE TREMOLO ONLY ON THE REMAINING.

KEEP IN MIND THAT YOUR TAP-DIVISION WILL NOW BE HALF THE TIME YOU ORIGINALLY HAD IT WITH THE CROSS TREMOLO, SINCE ONLY ONE SIDE IS PLAYING.

INVERTING THE CROSS

THE CROSS TREMOLO BY DEFAULT HAS THE INSTRUMENT SIGNAL (BEE) FOLLOWING THE DOWNBEAT OF YOUR TAP-TEMPO, WHILE THE LOW OCTAVE (PARASITE) HITS THE UPBEAT.

IF YOU WOULD LIKE TO INVERT IT, SO THE LOW OCTAVE (PARASITE) IS ON THE DOWNBEAT AND THE INSTRUMENT SIGNAL (BEE) ON THE UPTEMPO, SIMPLY HOLD DOWN THE BYPASS SWITCH (SAME PROCESS YOU WOULD USE FOR ALTERNATE CONTROLS) WHILE FLICKING THE MODE TOGGLE TO THE X MODE.

IT WILL REMAIN INVERTED UNTIL YOU FLICK THE MODE TOGGLE AGAIN.

LIVE MODE

IT'S IMPORTANT TO UNDERSTAND HOW THE LIVE MODE WORKS IN ORDER TO MESS AROUND WITH A ZZOMBEE.

CENTER POSITION OF THE **PRESET TOGGLE** IS THE LIVE MODE.



LIVE MODE
(CENTER POSITION)

EVERYTIME YOU FLICK IT TO THE LIVE MODE, THE PEDAL WILL READ THE POSITIONING OF THE MAIN CONTROLS. THAT MEANS, THE **PARASITE, WINGSPAN** AND **BEE KNOBS WILL SOUND ON THE POSITION THAT YOU VISUALLY SEE THEM.** THE BUZZ LEVEL TOGGLE, MODE TOGGLE AND FILTER ROUTER WILL ALSO UPDATE TO THE POSITION THEY SIT AT.

HOWEVER, THE ALTERNATE CONTROLS WILL UPDATE TO A DEFAULT SETTING CHOSEN BY THE QUEEN BEE. EACH MODE HAS ITS OWN DEFAULT SETTINGS FOR THE ALTERNATE CONTROLS. THIS IS MADE TO GIVE YOU A STARTING POINT WHEN TWEAKING A SOUND.

ANY MODES THAT HAVE MODULATION MOVEMENTS SUCH AS **LFO, MAD AND X** WILL ALWAYS **START WITH THE MODULATION MOVEMENT ON.** YOU CAN ALWAYS DOUBLE TAP THE BYPASS FOOTSWITCH TO STOP ITS MOVEMENT AND USE THE RAMP FOOTSWITCH (LEFT) TO MOMENTARILY ADD THAT MODULATION.

ANY MODE THAT HAS A RAMPING MOVEMENT SUCH AS **PAR AND BEE** (FILTER OFF), **RAMP** (FILTER ON) WILL HAVE A DEFAULT RAMPING MOVEMENT SET TO START WITH. WHEN YOU FLICK TO ONE OF THESE MODES, THE SOUND YOU WILL BE HEARING IS THE BOTTOM OF THE RAMP, BUT ONCE YOU HOLD THE RAMP FOOTSWITCH (LEFT) THE RAMP MOVEMENT WILL HAPPEN AND CYCLE BACK TO ITS STARTING POINT. YOU CAN ALWAYS USE THE RAMP UP AND RAMP DOWN (ALT-CONTROLS) TO SET A DIFFERENT RAMP SHAPE AND DOUBLE TAP THE BYPASS FOOTSWITCH TO INVERT THE RAMP DIRECTION.

THE LIVE MODE IS MEANT TO BE AN EXPLORING GROUND. WHERE YOU WILL TWEAK UNTIL YOU FIND A SOUND THAT YOU LIKE. ONCE YOU DO, SAVE IT TO A PRESET.

FACTORY RESET

TO BRING YOUR ZZOMBEE TO FACTORY DEFAULT SETTINGS, UNPLUG THE POWER CABLE. HOLD DOWN THE BYPASS FOOTSWITCH AND RECONNECT THE POWER CABLE. THE LED WILL START PULSATING, LET GO OFF THE FOOTSWITCH AND HOLD DOWN AGAIN FOR A COUPLE OF SECONDS. YOU ARE DONE!

IF YOU WOULD LIKE EXIT THIS MODE BEFORE RESETING IT, EITHER UNPLUG THE POWER CABLE OR HOLD DOWN THE RAMP/RATE FOOTSWITCH (LEFT) INSTEAD OF THE BYPASS AGAIN.

SAVING PRESETS

THE SIGNAL PATH ON THE ZZOMBEE IS FULLY ANALOG. HOWEVER THIS BEE IS DIGITALLY PARASITIZED. GIVING YOU THE OPTION TO SAVE AND RECALL UP TO 5 PRESETS.

HERE'S HOW TO DO IT:



1 - SET THE PRESET TOGGLE TO LIVE MODE AND DIAL IN A SOUND.

2 - ONCE YOU ARE READY TO SAVE IT, HOLD DOWN BOTH FOOTSWITCHES (2SEC) THE LED WILL FLICK TO AN INCREASING RATE UNTIL IT'S FULLY LIT.

ONCE YOU LET GO OF THE FOOTSWITCH THE LED WILL START FLASHING ZZOMBEE IN MORSE CODE (FOR REAL, NOT A JOKE!). IT INDICATES THAT YOU ARE ON SAVE MODE.

3 - FLICK THE PRESET TOGGLE TO THE PRESET IN WHICH YOU WOULD LIKE TO SAVE IT AND HOLD BOTH FOOTSWITCHES AGAIN FOR A COUPLE SECONDS. THE LED WILL FLASH AGAIN MEANING IT'S SAVED.

4 - YOU ARE DONE! BEE HAPPY!

WHILE THE PRESET TOGGLE ONLY GOT 3 POSITIONS (1 - LIVE - 2), THERE ARE 3 EXTRA PRESETS WHICH YOU CAN ACCESS BY USING THE ALTERNATE CONTROL.

ONCE YOU ARE IN SAVE MODE AND READY TO SAVE, HOLD THE BYPASS FOOTSWITCH DOWN WHILE FLICKING THE PRESET TOGGLE TO ONE OF THE 3 POSITIONS. AFTER MOVING THE TOGGLE LET GO OF THE FOOTSWITCH. NOW HOLD BOTH FOOTSWITCHES AGAIN TO SAVE IT. NOW YOUR PRESET IS STORED IN ONE OF THE ALTERNATE POSITIONS.

*NOTE THAT IF YOU ARE ON A PRESET MAKING ADJUSTMENTS AND WOULD LIKE TO SAVE IT. YOU DO NOT NEED TO FLICK THE PRESET TOGGLE AGAIN. SIMPLY HOLD DOWN BOTH FOOTSWITCHES TO ENTER SAVE MODE. ONCE IN SAVE MODE HOLD THEM BOTH AGAIN AND YOU ARE DONE.

RECALLING PRESETS

TO ACCESS A PRESET SAVED ON PRESET 1 OR 2, SIMPLY FLICK THE PRESET TOGGLE TO THE DESIRED POSITION AND IT WILL RECALL THE PRESET SAVED.

IF THE PRESET YOU ARE TRYING TO ACCESS IS ONE OF THE 3 PRESETS ON THE ALTERNATE CONTROL OPTION, SIMPLY HOLD THE BYPASS FOOTSWITCH AT ANY MOMENT AND FLICK THE PRESET TOGGLE TO THE DESIRED POSITION. IT WILL RECALL THE PRESET SAVED IN THAT ALTERNATE POSITION.

ALTERNATE CONTROLS

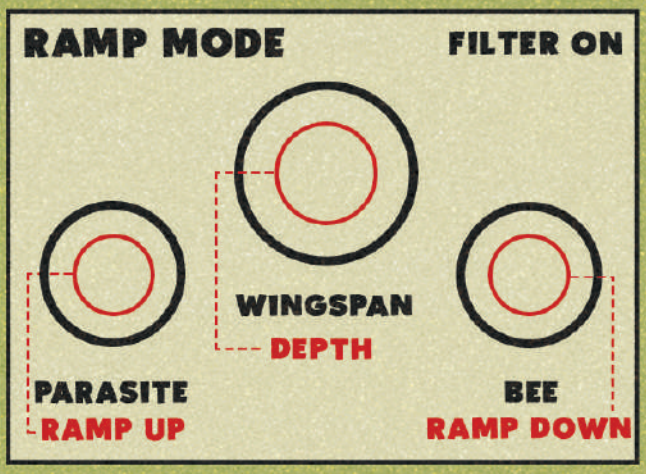
EVERY KNOB ON THE ZZOMBEE HAS AN ALTERNATE CONTROL. THESE CONTROLS GIVE YOU EXTRA OPTIONS TO TWEAK YOUR SOUND. EVEN THE BUZZ TOGGLE HAS AN ALTERNATE CONTROL. WE MAY EVEN HAVE HIDDEN ONE OR ANOTHER IN THERE...

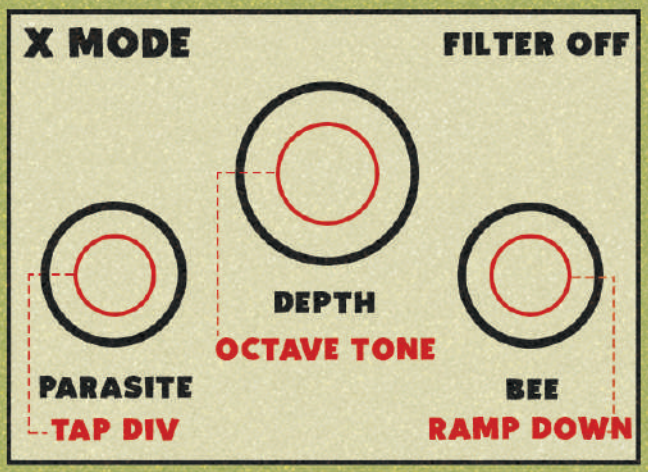
WHEN YOU ENTER A MODE THE ZZOMBEE PULLS A DEFAULT SETTING FOR EVERY ALTERNATE CONTROL. THIS IS A STARTING POINT AND FROM THERE YOU CAN TWEAK.

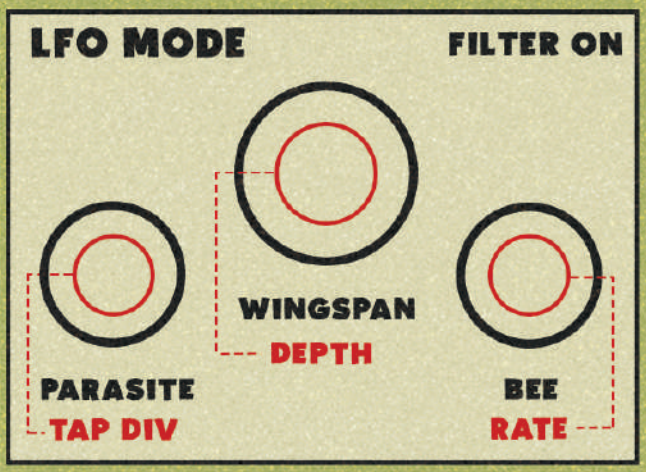
TO ACCESS ANY ALTERNATE CONTROL ALL YOU NEED TO DO IS HOLD DOWN THE BYPASS FOOTSWITCH BEFORE YOU TWEAK THAT KNOB. ONCE YOU ARE FINISHED TWEAKING, LET GO OF THE FOOTSWITCH AND THE KNOB IS BACK TO ITS MAIN CONTROL.

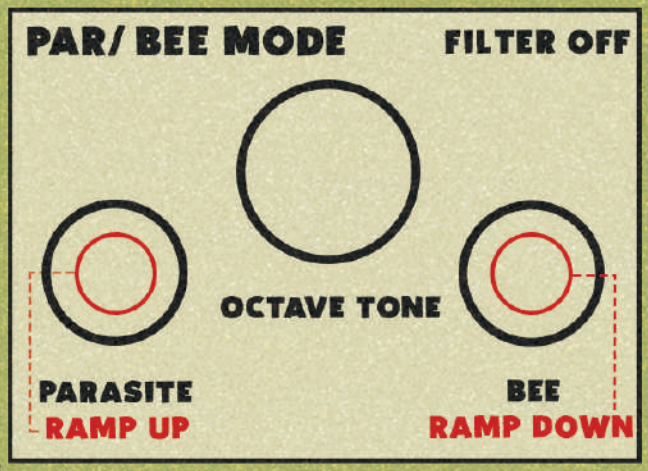
HERE'S AN OVERVIEW PER MODE:

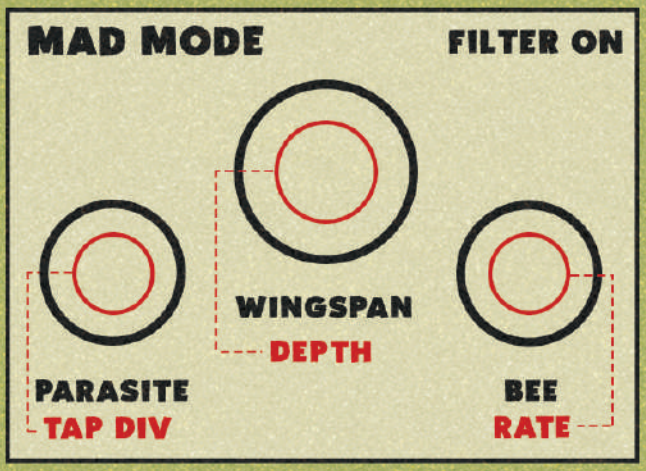
RED = ALTERNATE CONTROL











EXPRESSION INPUT

THE ZZOMBEE CAN CONNECT TO ANY STANDARD 10K EXPRESSION PEDAL.

UNLIKE OTHER EXPRESSION INPUTS, THE ZZOMBEE EXPRESSION CAN BE CUSTOMIZED AND SAVED WITH EACH PRESET.

YOU CAN SET TOP AND BOTTOM FREQUENCIES OR RATE SPEEDS. YOU CAN EVEN MAKE THE TOP BE AN EXACT SUBDVISION OF THE BOTTOM RATE, WHICH CAN HAVE MANY DIFFERENT MUSICAL APPLICATIONS.

WE ALSO HAVE DEVELOPED AN LFO RESET SYSTEM THAT MAKES IT VERY EASY FOR YOU TO PLAY WITH THE EXPRESSION PEDAL AND ALWAYS BE ABLE TO SYNC BACK TO YOUR MUSIC WHEN FULLY RETURNING THE PEDAL TO HEEL POSITION.

EXPRESSION FUNCTIONS BY MODE:

RAMP MODE - THE EXPRESSION PEDAL WILL ACT LIKE A WAH PEDAL. YOU CAN USE THE WINGSPAN AND DEPTH TO SET THE BOTTOM (HEEL) AND TOP (TOE) FREQUENCIES OF YOUR WAH.

IT'S LIKE HAVING MANY DIFFERENT WAH PEDALS SINCE YOU CAN SHAPE THE RANGE AND WIDTH OF THE TRAVEL.

LFO MODE AND X MODE - THE EXPRESSION PEDAL WILL CONTROL THE LFO RATE.

YOU CAN SAVE DIFFERENT RATES FOR THE HEEL AND TOE POSITIONS. SIMPLY PUT YOUR EXPRESSION PEDAL IN HEEL OR TOE POSITION AND TAP YOUR DESIRED RATE. MOVE TO THE NEXT POSITION AND TAP YOUR NEW RATE. NOW THE EXPRESSION PEDAL WILL TRAVEL BETWEEN THOSE TWO DIFFERENT SPEEDS.

YOU CAN ALSO USE THE TAP-DIV TO MAKE THE HEEL OR TOE POSITION BE A SUDVISION OF THE OTHER. FOR EXAMPLE: PUT ON HEEL POSITION AND TAP YOUR DESIRED TEMPO. NOW MOVE THE PEDAL TO TOE POSITION AND USE THE TAP-DIV (PARASITE ALT-CONTROL) TO CHANGE THE SUBDIVISION. NOW BOTH TEMPOS ARE IN SYNC. THIS FEATURE IS REALLY COOL TO CREATE VERY MUSICAL RATE CHANGES.

MAD MODE - THE EXPRESSION CONTROLS THE SWEEP OF THE FILTER. THE WINGSPAN AND DEPTH WILL SET THE HEEL AND TOE POSITIONS FOR THE EXPRESSION PEDAL.

PAR AND BEE MODES - THE EXPRESSION CONTROLS THE VOLUME OF THE PARASITE OR BEE SIGNAL. YOUR PARASITE OR BEE CONTROL WILL SET THE MAXIMUM VOLUME (TOE POSITION) THAT THE EXPRESSION WILL REACH.

*ON MODES WITH RAMPING MOVEMENTS, THE HEEL AND TOE POSITION CAN BE INVERTED BY DOUBLE TAPPING THE BYPASS FOOTSWITCH.

CV (CONTROLLED VOLTAGE)

THE ZZOMBEE CAN BE CONTROLLED THROUGH CV. SIMPLY CONNECT A MONO CABLE (TS) TO THE EXPRESSION INPUT AND OPERATE IT JUST LIKE THE EXPRESSION PEDAL. 0 VOLTS IS THE HEEL AND 5 VOLTS IS THE TOE POSITION.

EXTERNAL TAP-TEMPO

TO USE AN EXTERNAL TAP-TEMPO YOU NEED TO HOLD DOWN THE BYPASS FOOTSWITCH WHILE INSERTING A MONO (TS) CABLE IN THE EXPRESSION JACK. ONCE COMPLETED, THE PEDAL WILL BE SET FOR EXTERNAL TAP-TEMPO INSTEAD OF EXPRESSION.

TO TURN EXPRESSION BACK ON YOU WILL NEED TO INSERT THE EXPRESSION CABLE WHILE HOLDING DOWN THE BYPASS FOOTSWITCH ONCE AGAIN. THE PEDAL COMES FROM FACTORY SET FOR EXPRESSION.

FOOTSWITCH OPERATION

THE FOOTSWITCHES ON THIS PEDAL CAN PERFORM MULTIPLE FUNCTIONS AND ARE QUITE SMART FOR A ZZOMBEE.

IN FACT, THE ZZOMBEE HAS A NEW AND INNOVATIVE APPROACH TO CONTROLLING RAMPS AND MODULATION MOVEMENTS THAT TURN THE PEDAL INTO AN EXTENSION OF YOUR INSTRUMENT.

THESE ARE EXTREMELY MUSICAL FEATURES THAT CAN SPARK INFINITE CREATIVITY.

BYPASS FOOTSWITCH

SINGLE TAP - EFFECT ON/OFF.

DOUBLE TAP (WHEN EFFECT IS ON) - START/STOP ANY MODULATION MOVEMENT OR INVERT RAMP DIRECTION (DEPENDING ON THE MODE).

HOLD (WHEN EFFECT IS OFF) - MOMENTARILY TURNS ON THE EFFECT.

RAMP/RATE FOOTSWITCH

TAP - TAP-TEMPO (LFO AND X MODES).

HOLD (WHEN EFFECT IS ON) - TRIGGERS RAMP OR MOMENTARILY START/STOP MODULATION MOVEMENT DEPENDING ON MODE.

HOLD (WHEN EFFECT IS OFF) - MOMENTARILY TURNS ON THE EFFECT TRIGGERING THE RAMP OR MODULATION MOVEMENT ACTION (*EXCEPT WHEN LFO IS ON).

HOLD BOTH FOOTSWITCHES - USED TO ACCESS PRESET SAVING MODE. PLEASE REFER TO PAGE 22 FOR MORE INFO.

TECHNICAL SPECS

INPUT IMPEDANCE - 1 M

OUTPUT IMPEDANCE - 510 OHMS

BYPASS SWITCHING - TRUE BYPASS
(ELECTROMECHANICAL RELAY SWITCHING)

POWER SUPPLY

INPUT VOLTAGE - 9VDC CENTER NEGATIVE POLARITY
(2.1MM ADAPTER)

REQUIRED CURRENT - 100MA

EXPRESSION INPUT - 10K

CV - 0 TO 5 VOLTS
MONO (TS) CABLE

EXTERNAL TAP-TEMPO - NORMALLY OPEN SWITCH
MONO (TS CABLE)

ENCLOSURE DIMENSIONS - 5.5" X 3.5" X 2.75"
14CM X 9CM X 5CM

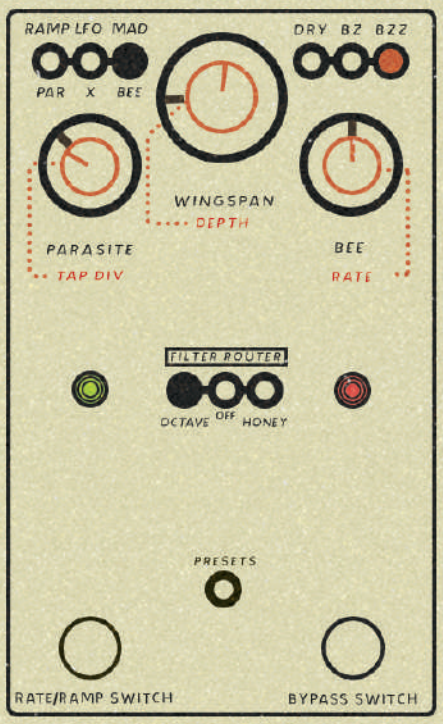
PEDAL WEIGHT - 425 GRAMS / 15 OZ

CONCEPT, SOUND AND CIRCUIT DESIGN BY FILIPE PAMPURI AND FILIPE ALBERTI.

ARTWORK BY KIN NOISE.

ALIEN BEES

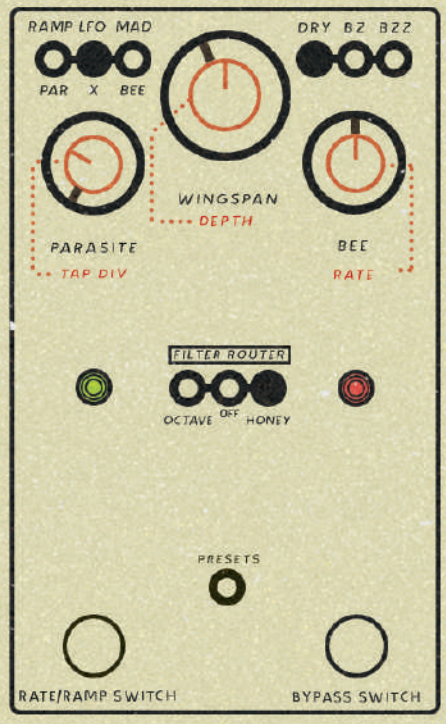
created by: BEELIEVER



USE THE RAMP/RATE FS TO STOP THE MODULATION FOR PHRASES.

LO-FI HONEY WAVE

created by: GABEE MEDINA

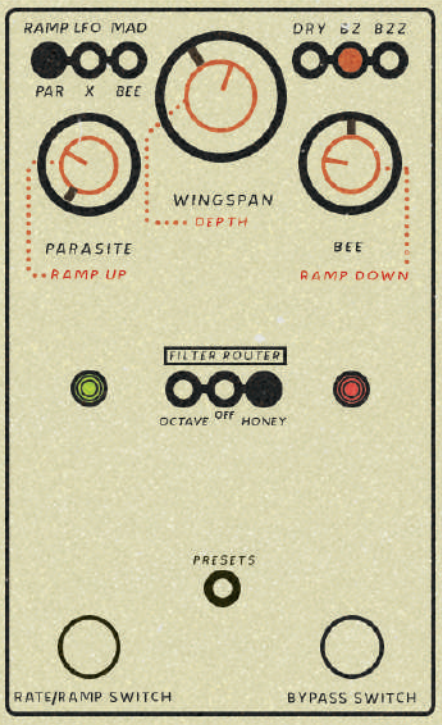


FIND THE SWEET SPOT FOR THE WINGSPAN AND DEPTH.

●required toggle selection for the preset ○alternate controls *Always start with Filter Router followed by Mode Toggle

THE DROP

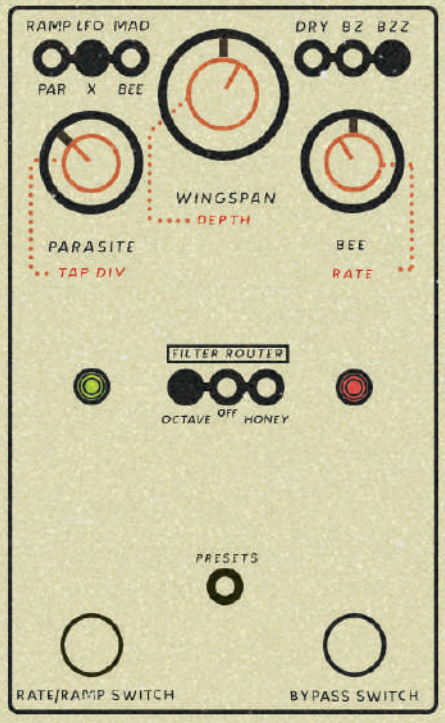
created by: STEBEE WONDER



HOLD THE RAMP/RATE FS FOR THE DROP.

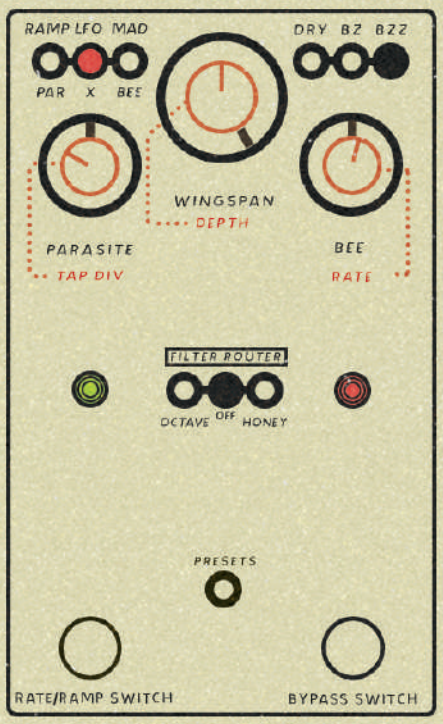
SEABEE MONSTER

created by: BEE RAT



HOLD THE RAMP/RATE FS TO STOP THE SEABEE MONSTER FROM HOWLING!

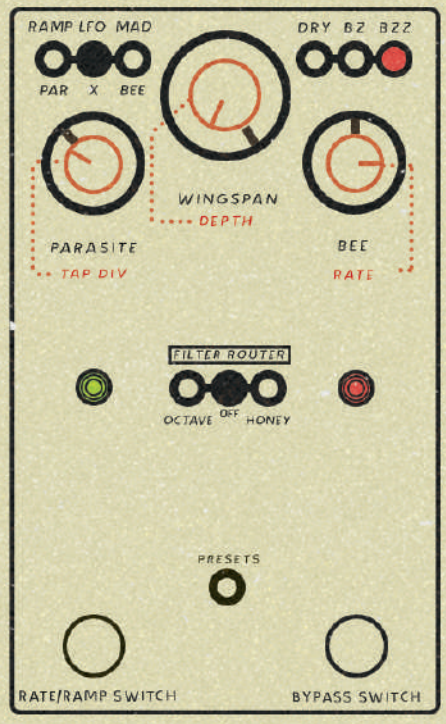
SWEET HONEY DREAMS



created by: BEELIE EILISH

LISTEN TO THE CROSS TREMOLO AND PLAY WITH IT!

FLIGHT ATTEMPT

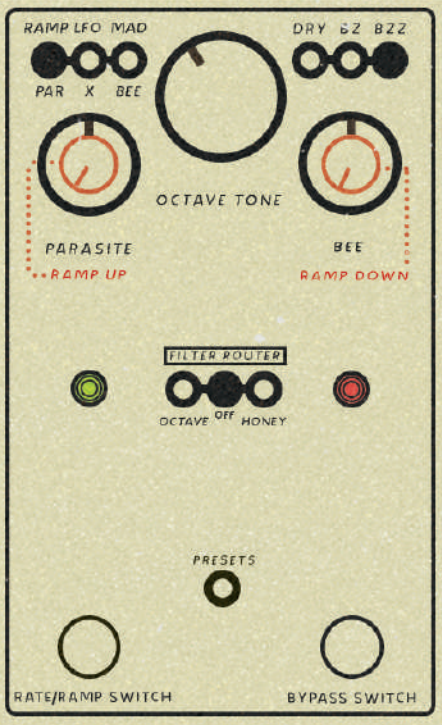


created by: LABEE GAGA

DOUBLE TAP THE BYPASS FS! HOLD THE RAMP/RATE FS AT TIMES!

● required toggle selection for the preset ○ alternate controls *Always start with Filter Router followed by Mode Toggle

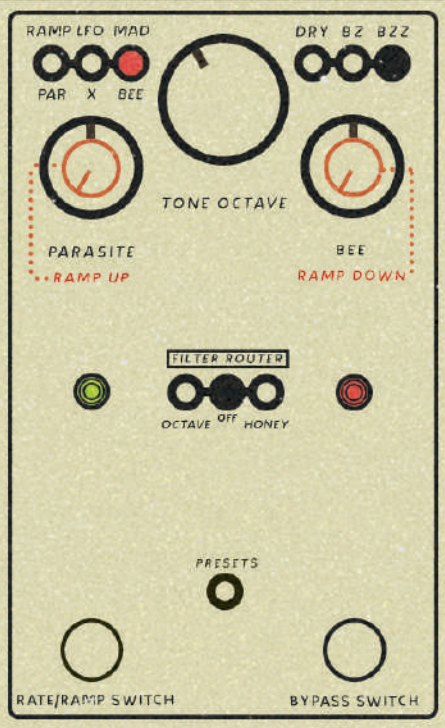
VEZZPA STYLE



created by: DABABEE

HOLD THE RAMP/RATE FS TO ADD THE LOW OCTAVE.

ALTERNATIVE BUZZ

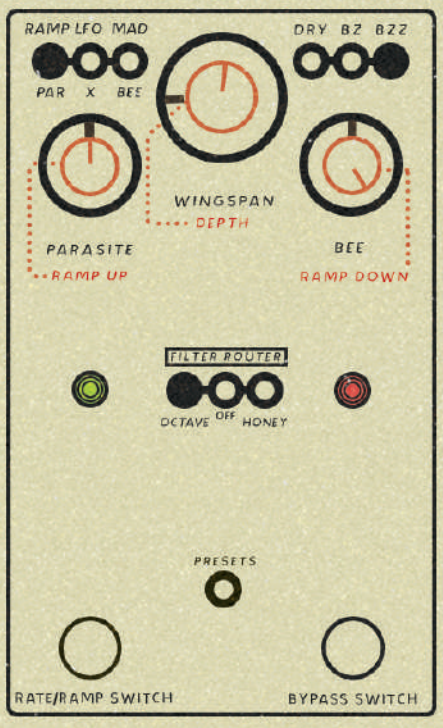


created by: KEBEEN PARKER

HOLD THE RAMP/RATE FS TO ALTERNATE.

MOVING UP

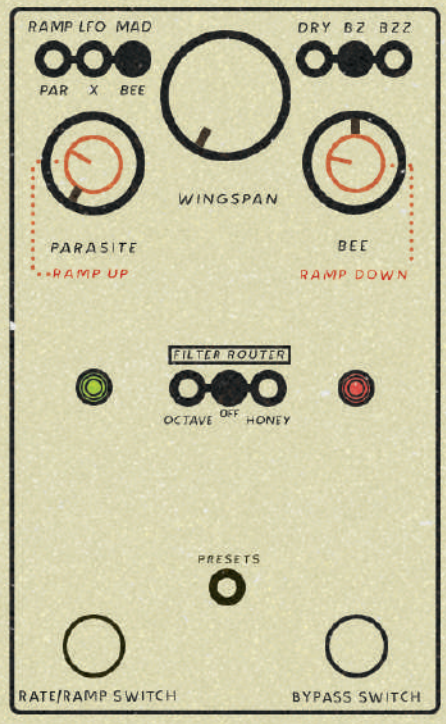
created by: JEFF BEEZOS



USE THE RAMP/RATE FS TO MOVE UP.

HONEY SWELLS

created by: BEEL CLINTON

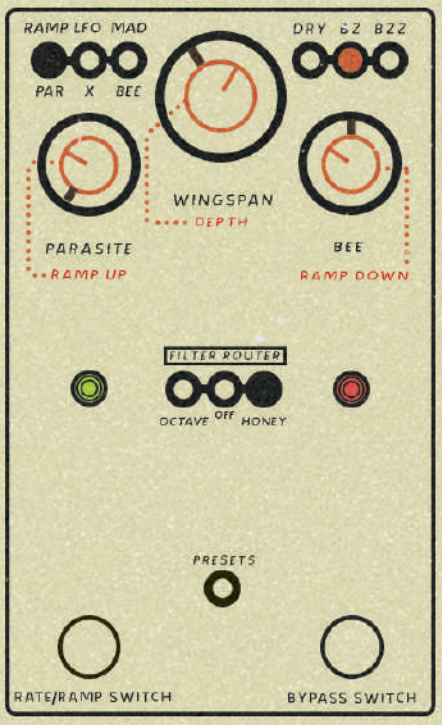


HOLD THE RAMP/RATE FS FOR SWELLS.
COMBINE WITH A DELAY FOR EXTRA SWEET TONES!

● required toggle selection for the preset ○ alternate controls *Always start with Filter Router followed by Mode Toggle

DITCH MY WAH

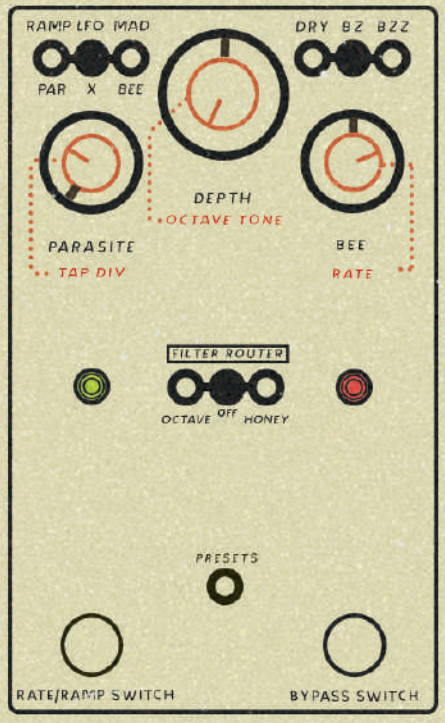
created by: NILE HORNET



HOLD THE RAMP/RATE FS FOR WAH.

BEERILLA RADIO

created by: BEEDEL CASTRO



TWEAK THE RATE KNOB FOR EXACT TEMPO SYNC.


BEE YOURSELF


BZZ!