

DM1

The Drum Machine

— by Fingerlab —

User's Operation Manual



Apple Design Award

iPad Developer Showcase

2012 Winner

1.BASICS

As musicians ourselves, we, at Fingerlab, have developed DM1 with the intention of delivering the perfect mix between fun playability and powerful sonic capacities.

1.0 WATCH VIDEO INTRO*

1.1 MAIN NAVIGATION

1.2 SUB NAVIGATION

1.3 BPM POP UP

1.4 DRUM KIT POP UP

1.5 PATTERN POP UP

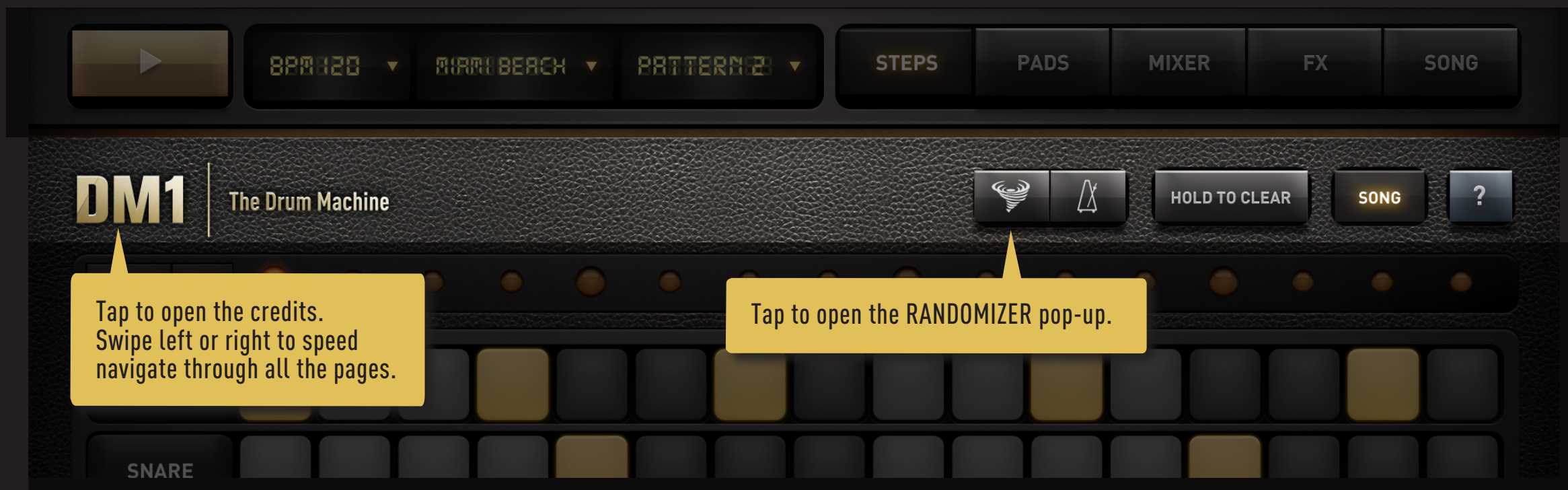
* <http://youtu.be/dB8VFT2-Y9A>

1.1 MAIN NAVIGATION

This screenshot shows the top navigation bar of the DM1 interface. From left to right, it includes a play button, a BPM display set to 120 with a dropdown arrow, a kit name 'MIAMI BEACH' with a dropdown arrow, a pattern name 'PATTERN 2' with a dropdown arrow, and five section buttons: STEPS, PADS, MIXER, FX, and SONG. Below this bar is a row of 16 circular indicators, with the first one lit. Underneath are two rows of drum pads: the top row is labeled 'KICK' and the bottom row is labeled 'SNARE'. A yellow callout box points to the BPM display with the text: 'Tap to open the BPM pop-up. Swipe right to increase or decrease the tempo.' Another yellow callout box points to the MIXER, FX, and SONG buttons with the text: 'Navigate to the 5 main DM1 sections.'

This screenshot shows the same DM1 main navigation interface as above. The top bar is identical. Below the 16 circular indicators, there is a 'HOLD TO CLEAR' button and a 'SONG' button. The drum pads are also visible. A yellow callout box points to the 'MIAMI BEACH' kit name with the text: 'DM1 is loaded with lots of ready-made drum kits. Loads of them. Tap to open the Drum Kits popup. Swipe left or right to select the next of the preview kit.' Another yellow callout box points to the 'PATTERN 2' name with the text: 'Tap to open the Pattern pop-up. Tap with 2 fingers to duplicate the current pattern to the next one. Swipe left or right to select the next or previous pattern.'

1.2 SUB NAVIGATION

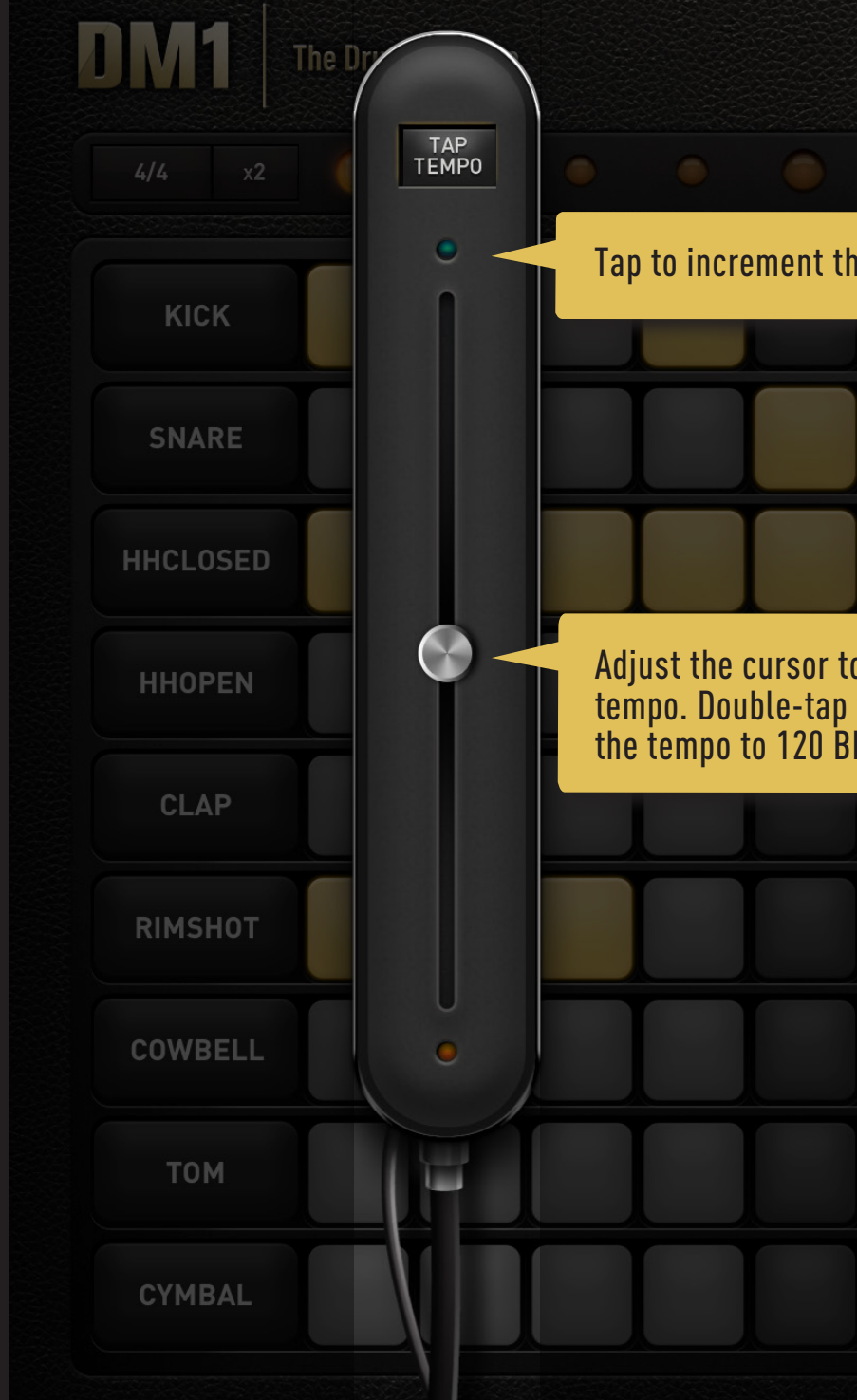


Tap to open the RANDOMIZER pop-up.



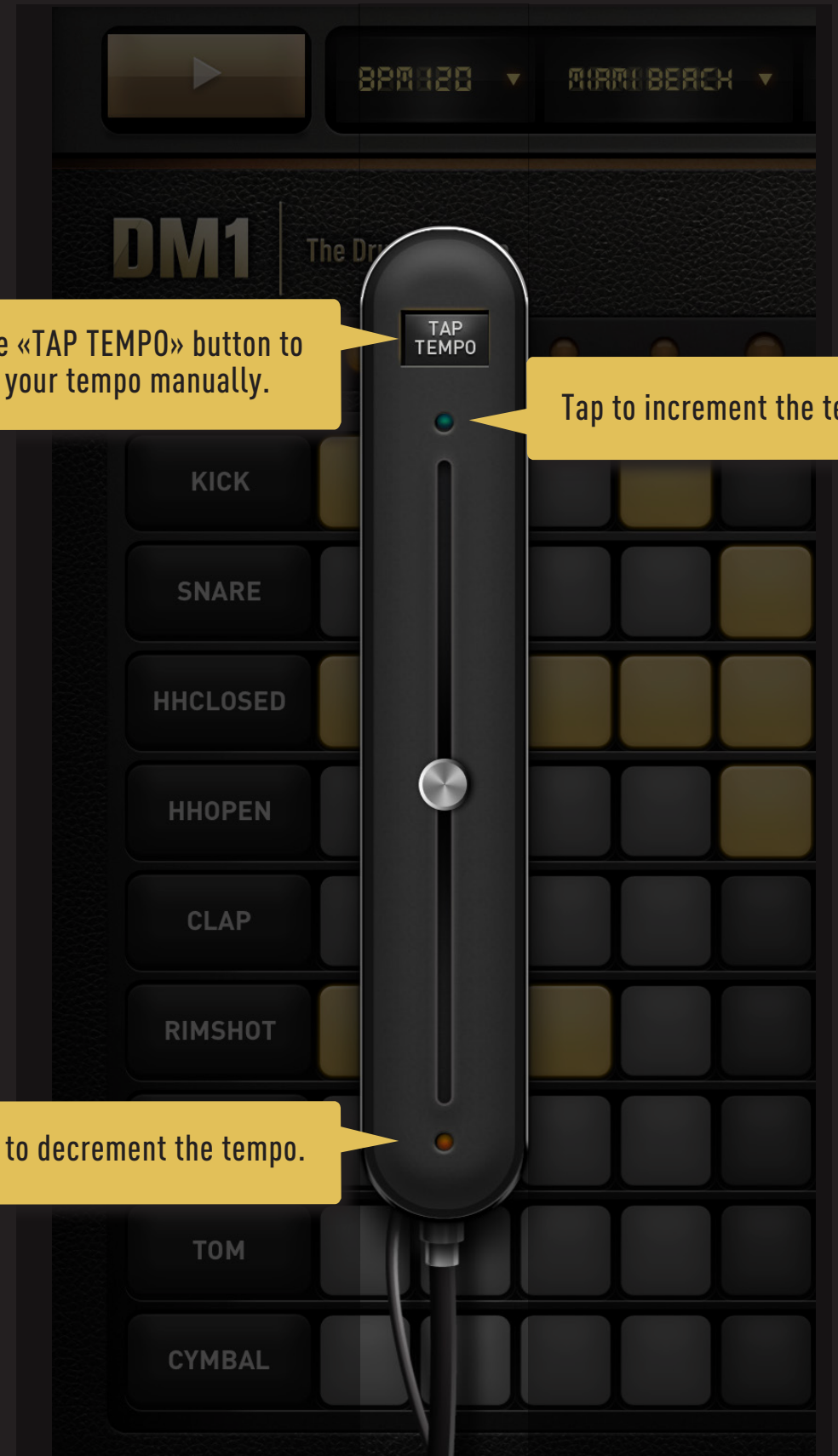
1.3 BPM

The BPM range of DM1 can be set from 30 to 240 BPM (Beat Per Minute). 120 BPM means that 120 beats are played in one minute.



Tap to increment the tempo.

Adjust the cursor to set the tempo. Double-tap to reset the tempo to 120 BPM.



Tap the «TAP TEMPO» button to record your tempo manually.

Tap to increment the tempo.

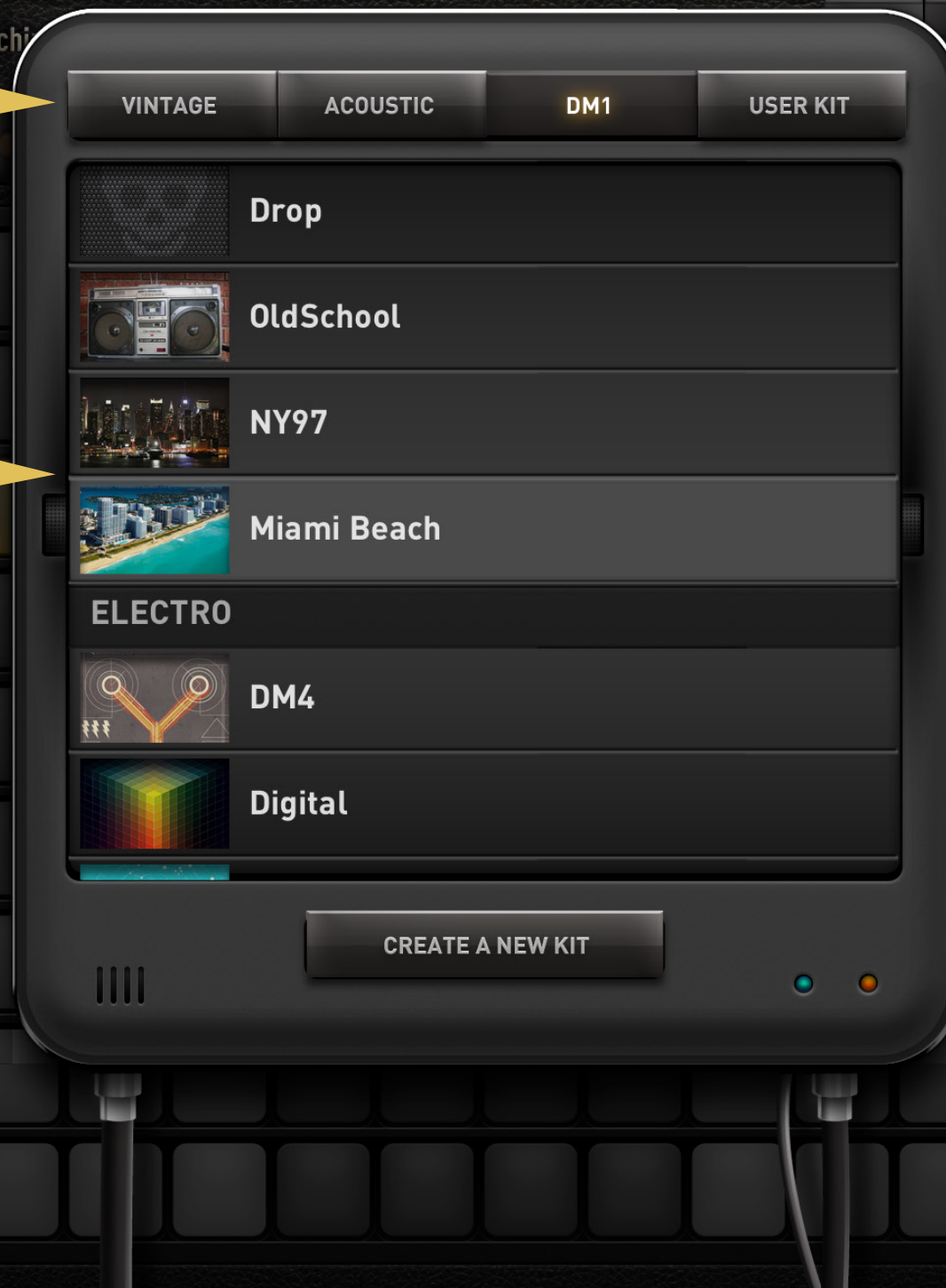
Tap to decrement the tempo.

1.4 DRUM KIT

DM1 is loaded with lots of Drums Kits. Each Drum Kit have 9 different sounds.

Select a category.

Tap to select a Drum kit



1.5 PATTERN

1. Select the pattern you want to copy.
2. Tap Copy.
3. Select the destination pattern.

1. Select the pattern you want to clear.
2. Tap Clear.

COPY

HOLD TO CLEAR

TAP ANOTHER PATTERN TO COPY

SYNC

1. When off, switching from a pattern to another one will instantly play the selected pattern.
2. When on, switching will wait for the end of the previous pattern before playing the next pattern.

1

2

3

4

5

Dark gray color mean this pattern is empty.

Yellow color means that is select.

A pattern is a set of steps, from 1 to 32 steps. You can creat up to 25 different pattern, then you can put them into a time line to create.

2.MAIN SECTION

2.0 HOW TO CREATE SWEET BEATS

2.1 STEP SEQUENCER

2.2 DRUM PADS

2.3 MIXER

2.3.1 MIXER AUTOMATION

2.4 EFFECTS

2.5 SONG COMPOSER

2.0. LET'S MAKE A BEAT

A. Go to the «SONG», tap the «NEW» button, and name your song.

B. In the «STEPS», you will find 9 tracks (Kick, Snare, Closed Hi-Hat, etc) and 16 steps for each track. Tap some steps to turn them on, and tap the «PLAY» button to see how it sounds.

To make a classic beat, you should add some steps to the Kick, Snare and HH Closed tracks. You can also play and record a pattern by using the drums pads.

C. Go to the «PADS», and tap the «REC» button. Now record your beat by playing it on the drum pads. A metronome will help you to keep the rhythm.

D. Your beat is saved in a pattern. Open the «PATTERN» popup to compose a new pattern or to duplicate the current pattern.

E. Once your beat is ready, it's now time to do the mix. Go to the «MIXER», you will find again the same 9 tracks, with knobs parameters for each one. For each track you can set the level, the pitch or the length of the sound as well as the pan.

Just explore the endless possibilities of the mixer settings : downpitch a kick, trim the HH Open very short, set the Clap to the left, etc. Use the «SOLO» button to listen a track without the others. Double-click the Solo button will mute its track.

F. When the mix is ok, go to the «FX». In this page, you can add 2 effects to your beat in a serialised manner :
MIXER > EFFECT1 > EFFECT2 > OUTPUT

First, tap the «ON» button to turn on an effect, then select the FX you want to use. You can use Overdrive a fatter beat, Delay / Reverb to add space, Texturizer / Robotizer / Dalek to make weird unexpected sound, and Compressor to make the beat punchier.

Once you have selected an effect, you have to adjust the parameters in the trackpad, and to adjust the Dry/Wet (Dry means no effect, Wet means only the effect).

G. Finally, go to the «Song» to finalize your composition (for this part, you should have created at least 2 patterns).

You will find the Song Timeline, with by default one element in it. You'll find below the Pattern list. To compose your song, first select a pattern in the pattern list (hold down your finger on it) and drag and drop it to the Timeline.

To delete a pattern from the Song, drag and drop it outside the timeline. To play the song, you will need to tap the «SONG» button. You are now ready to compose !

Enjoy!

2.1 STEP SEQUENCER



BPM 120

MIAMI BEACH

PATTERN 21

STEPS

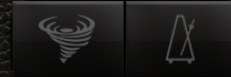
PADS

MIXER

FX

SONG

Tap to select time signature, 4/4, 8/4, 3/4, 6/8, 2/4, 5/5, 6/4, 7/4.



HOLD TO CLEAR

SONG

?

4/4

x2

Tap to change Steps Display.

Tap on a diode to change the step count. Use this feature to create unusual time signature.

SNARE

HHCLOSED

Tap to solo the track.

HHOPEN

Tap to add or remove step.

CLAP

Double-tap to add a louder step.

RIMSHOT

COWBELL

TOM

Double-tap to mute the track.

CYMBAL

2.2 DRUM PAD

Tap Rec to simply let you play and record the beat that tickles your fingers. Rec on will also record Pitch change. long-tap will clear Pitch record for the current pattern. Double tap to clear Pitch record for all patterns.

Play and record that beat that tickles your fingers. No need to be a first-class drummer, automatic quantize does the work for you.

REC

ADD

REPLACE

Add your playing to whatever was already recorded. Replace what was previously recorded.

PITCH

Live pitchshifting

x4

x2

0

÷2

÷4

Tap to play.

TOM

CYMBAL

HHOPEN

CLAP

HHCLOSED

RIMSHOT

SNARE

KICK

2.3 MIXER

The screenshot shows the DM1 The Drum Machine mixer interface. At the top, there are buttons for PADS, MIXER, FX, and SONG. Below these are controls for BPM (120) and TR (60688). The main mixer area features ten tracks: KICK, SNARE, HHCLOSED, HHOPEN, CLAP, RIMSHOT, COWBELL, TOM, CYMBAL, and MASTER. Each track has a play button, a level knob, a pitch knob, a length slider, a pan knob, and a solo button. A step line at the bottom shows the current step for each track. Yellow callout boxes provide instructions for various controls.

Tap to open the automation.

Tap to select a sound from another Drum Kit.

Double tap to reset the parameter to its default value.

Swipe vertically to change value.

Swipe right or left to change the pan.

Tap to solo or double-tap to mute track.

Display the selected track on the Step line below.

2.3 MIXER AUTOMATION

The screenshot shows the DM1 mixer automation interface. At the top, there are navigation buttons: a play button, BPM 120, MARI BEACH, PATTERN 1, STEPS, PADS, MIXER, FX, and SONG. Below these are buttons for automation: a bar graph icon, a swirl icon, a triangle icon, HOLD TO CLEAR, SONG, and a question mark. The main mixer section has ten channels: KICK, SNARE, HHCLOSED, HHOPEN, CLAP, RIMSHOT, COWBELL, TOM, CYMBAL, and MASTER. Each channel has three knobs for LEVEL, PITCH, and LENGTH, and a PAN slider. A yellow callout points to the HHCLOSED channel knob with the text "Select and display its automation below." Below the mixer is a bar graph for "KICK - LEVEL" with 16 steps. A yellow callout points to a step with the text "Swipe to change value." Another yellow callout points to a step with the text "Double-tap to set the step on or off." At the bottom right of the bar graph are buttons for CLEAR, RANDOM, and CLOSE. A yellow callout at the top points to the bar graph icon with the text "Tap to close the automation."

2.4 EFFECTS

A creative duo of FX trackpads to distort and modulate your beats. Featuring: Overdrive, Delay, Reverb, Phaser, Formant Filter, Texturizer, Robotizer, Dalek (Ring Modulator), Resonant Filter & Compressor.

The interface features two FX trackpads. The top navigation bar includes buttons for STEPS, PADS, MIXER, FX, and SONG. Below this are icons for a swirl and a triangle, followed by buttons for FX AUTOMATION, SONG, and a question mark. A yellow callout above the FX AUTOMATION button reads: "Long tap to clear. Double tap to clear."

The left trackpad has an "ON" button (red) and a "MIXER" button. Its left sidebar contains buttons for OVERDRIVE, DELAY, REVERB, PHASER, TEXTURIZER, and ROBOTIZER. The central grid shows a cursor at 25 on the "TONE" scale (0 to 100). A yellow callout above the "ON" button says: "Tap to activate the effect." Another callout above the "MIXER" button says: "Tap to open FX." A callout pointing to the cursor says: "Move the cursor to adjust the effect FX parameters." A callout pointing to the bottom slider says: "Swipe to adjust dry/wet setting."

The right trackpad has a "MIXER" button and an "ON" button (red). Its right sidebar contains buttons for OVERDRIVE, DELAY, REVERB, FORMANT, TEXTURIZER, and ROBOTIZER. The central grid shows a cursor at 100 on the "VOWEL" scale (0 to 100). A yellow callout pointing to the "FORMANT" button says: "Select one effect."

At the bottom, both trackpads have a "LEVEL:" label and a horizontal orange slider with a vertical bar.

2.5 SONG COMPOSER

Graphically compose your song with the beat patterns you have just created. Drag and drop the patterns onto the timeline. Fast and easy.

Play the song or only the current pattern.

DM1

The Drum Machine

SWING

STEPS

PADS

MIXER

FX

SONG



SONG

?

Swipe to change the beat swing.

LOST HIGHWAY

NEW

DUPLICATE

LOAD

Tap to change the name.

Tap to lock or unlock your song.

Loop song.

TIMELINE

HOLD TO CLEAR

⏮

🔄

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

Double-tap to open directly into the steps page.

PATTERNS

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

Long-tap to select, then drag and drop in the timeline.

Open the export pop-up.

EXPORT

WIST

MIDI

AUDIO BACKGROUND

ON



OFF

Switch on to let play while the application is hidden.

3. ADVANCED

3.1 RANDOMIZER

3.2 WIST

3.3 EXPORT

3.4 CUSTUM KIT

3.4.1 SAMPLES EDITOR

3.5 FX AUTOMATION

3.6 FX BY TRACK

3.7 MIDI

3.1 RANDOMIZER

The Randomizer - a new exciting tool to unleash the creative potential of the Mixer step by step. Just press 'Go' and have fun!

Tap GO! to randomize.

Swipe to select the strength.

Tap here to open or close the advanced settings.

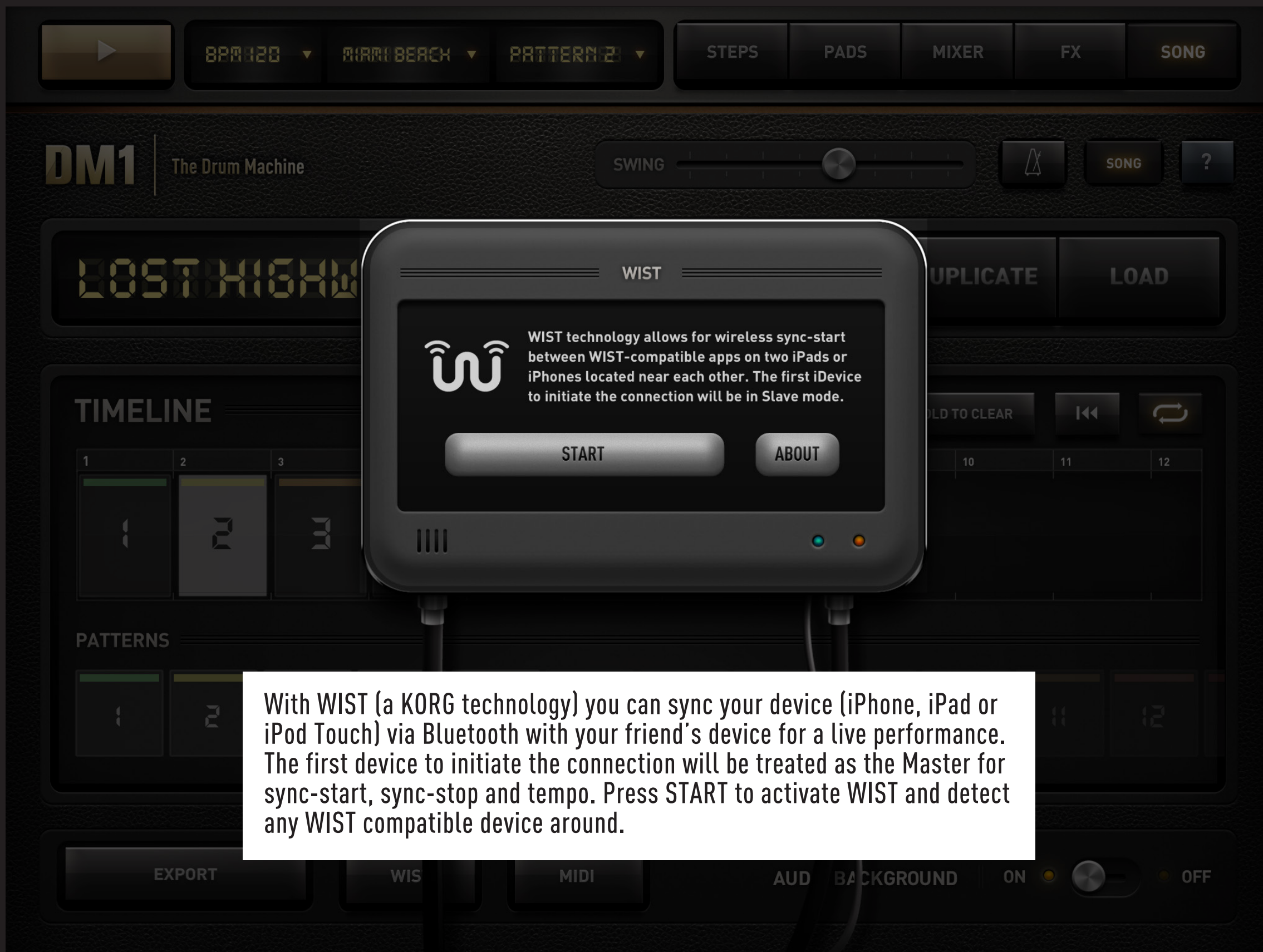
Select pattern or song to randomize the current pattern or the song.

Select the Mixer parameters to be randomized.

Select what tracks to be randomized.



3.2 WIST



With WIST (a KORG technology) you can sync your device (iPhone, iPad or iPod Touch) via Bluetooth with your friend's device for a live performance. The first device to initiate the connection will be treated as the Master for sync-start, sync-stop and tempo. Press START to activate WIST and detect any WIST compatible device around.

3.3 EXPORT



3.4 CUSTUM KIT

Creating your drum Kit with DM1 is super easy and intuitive. You can import samples directly from your iTunes music library, drop box, Audiopaste, or even work direct with the built-in microphone.

Tap to open edit pop-

Import from your iTunes.
Music with DRM will not be imported.

Record, built in or plug it. Yellow means
your sample have been imported.

Import from Itunes sharing folder.

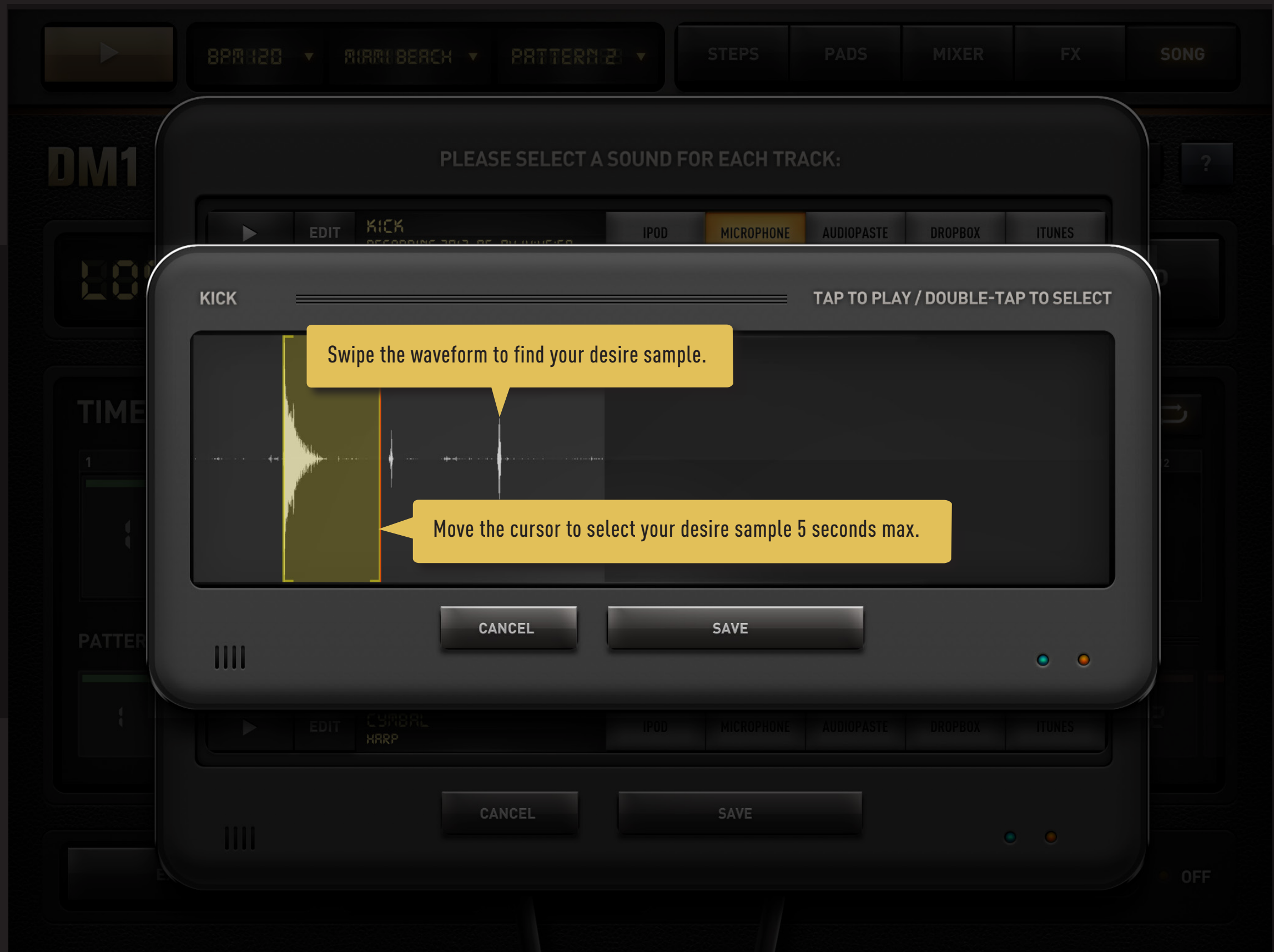
You need an account to use this feature.

CANCEL

SAVE

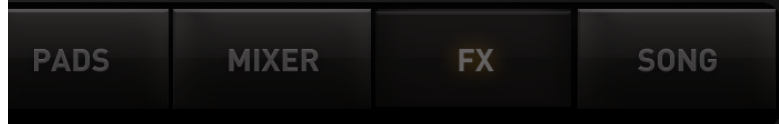
OFF

3.4.1 SAMPLES EDITOR



3.5 FX AUTOMATION

Tap on the fx automation button to start recording with the fx's, every touch is recorded in realtime, for one pattern or the whole song.



DM1 | The Drum Machine



Tap to active FX automation. Long tap to clear automation. Double tap to clear automation for all patterns.

ON [MIXER]

OVERDRIVE
DELAY
REVERB
PHASER
FORMANT
TEXTURIZER
ROBOTIZER

100	TONE				
75					
50					
25					
0	25	50	75	SPEED	100

Recorded when FX Automation is on.

LEVEL: [Slider]

You can assign different FX for each patterns.

MIXER

100					
75					
50					
25					
0	25	50	75	VOWEL	100

OVERDRIVE
DELAY
REVERB
PHASER
FORMANT
TEXTURIZER
ROBOTIZER

LEVEL: [Slider]

3.6 FX BY TRACK

You can assign up to two FXs per track individually.

STEPS PADS MIXER FX SONG

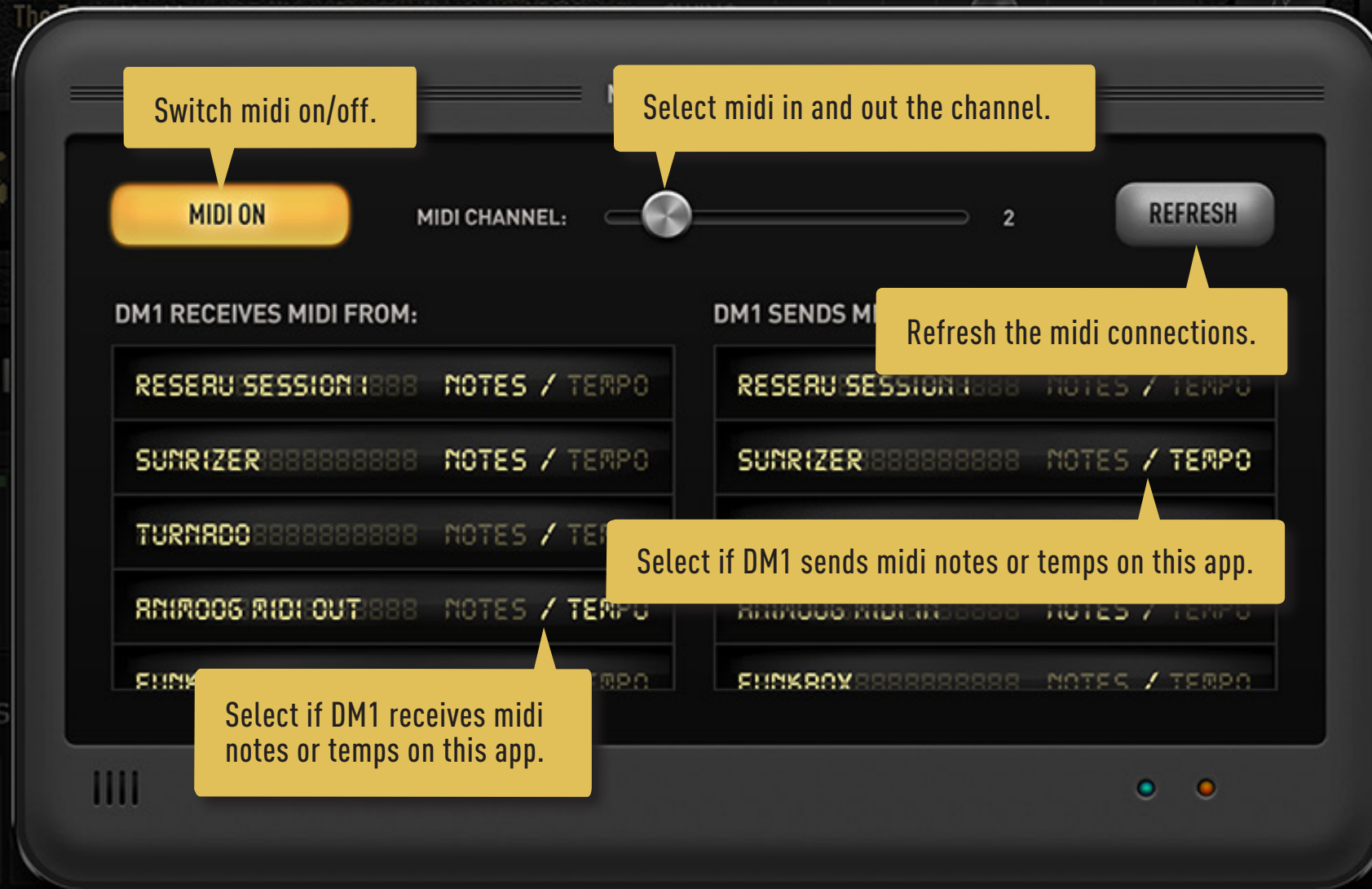
DM1 The Drum Machine

FX AUTOMATION SONG ?

The screenshot shows two identical FX tracks side-by-side. Each track has a vertical column of buttons for different drum parts: MASTER, MIXER, KICK, SNARE, HHCLOSED, HHOPEN, CLAP, RIMSHOT, COXBELL, TOR, and CYRBAL. The 'MASTER' button is highlighted in yellow on both tracks. Callouts point to these buttons: 'Assign the FX on selected track(s) or on all tracks.' points to the MASTER button on the right track; 'Selected track: FX is on for this track.' points to the HHCLOSED button on the right track; 'Unselected track: FX is off for this track.' points to the CLAP button on the right track. The tracks also feature various FX parameters like OVERDRIVE, DELAY, REVERB, PHASER, FORMANT, TEXTURIZER, and ROBOTIZER, along with a LEVEL slider.

3.7 MIDI

Use the Camera Connection Kit to connect your controller (Keyboard / DrumPad) to your iPad. Your Midi device will control the drum pads of DM1. It currently has been tested with the Camera Connection Kit.



4. Video Demos

DM1 version 3.0

<http://youtu.be/Gm128q0A3aQ>

DM1 version 2.0

<http://youtu.be/oH81SM3dl8k>

DM1 version 1.0

http://youtu.be/p-RMgvzCb_8

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