QuNeo

Multi-Touch Pad Controller

Keith McMillen

INSTRUMENTS

Korg iMS-20 Template Quickstart Guide
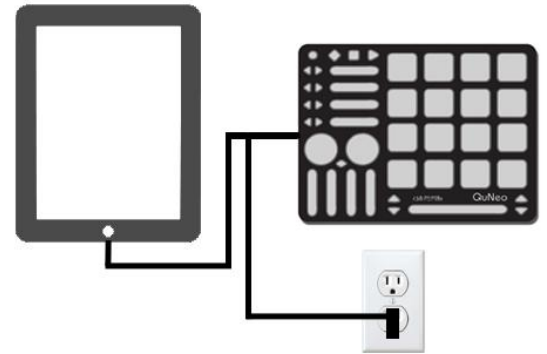
QuNeo Version 1.2.4
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This template is meant to be used with QuNeo's factory preset number 15 and Korg's iMS-20 Synthesizer for iPad. This allows the QuNeo to play minor pentatonic notes from the iMS-20 and adjust voltage controlled oscillators and effects.

To use the Template:

1. Connect QuNeo to an iPad:

The image to the right shows QuNeo connected to an iPad using the QuNeo Remote Power Kit (sold separately through our online store: http://store.keithmcmillen.com/). This includes a Y USB cable and a power supply. You will also need the iPad Camera Connection Kit (sold by Apple: http://store.apple.com/us/product/MC531ZM/A).
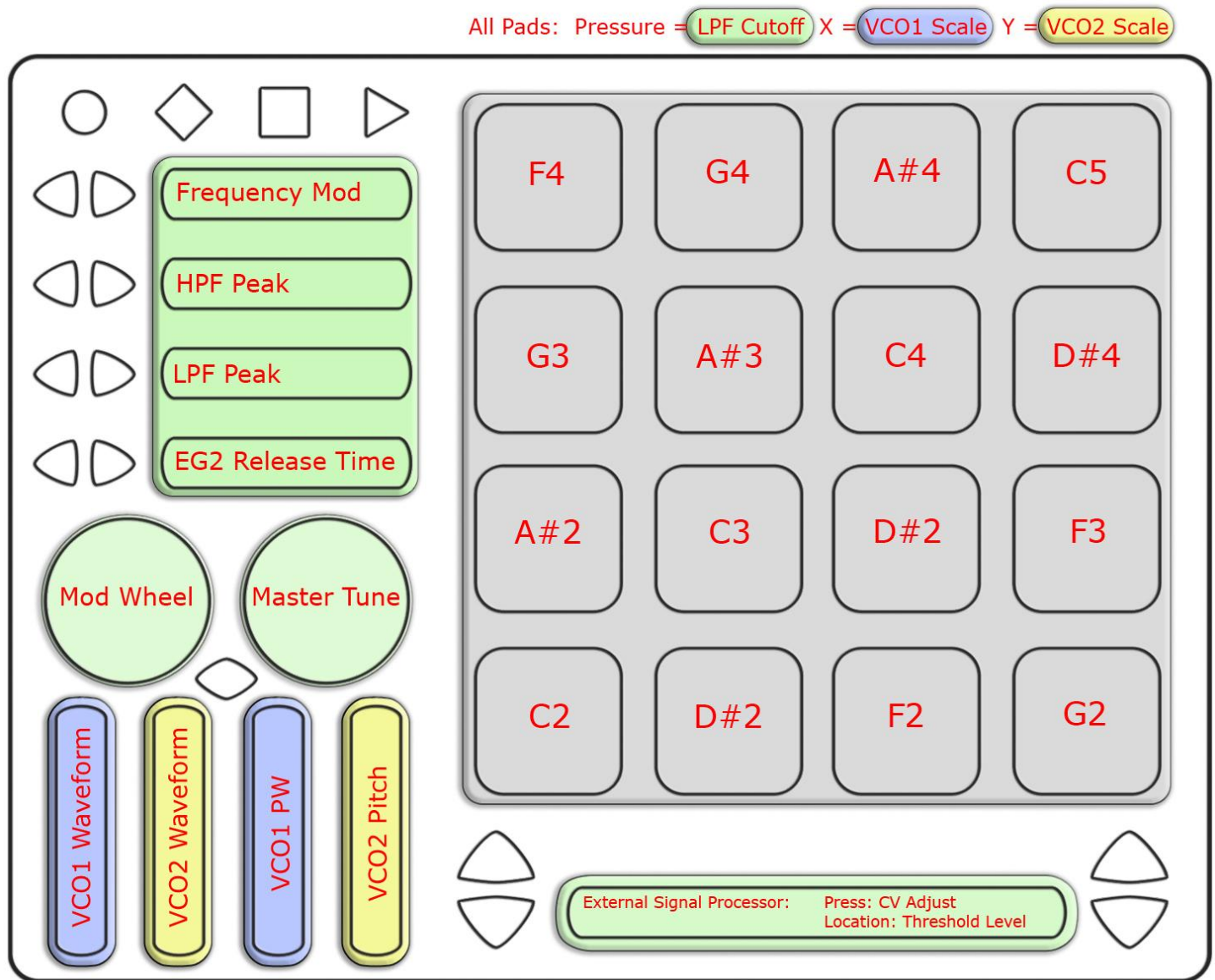
2. Select preset 15 on your QuNeo

3. Open the Korg iMS-20 application on your iPad and enjoy!

How the Template works:

The QuNeo pads will output notes in a minor pentatonic scale. Each pad will send out the same pressure CC# to control a low pass filter cutoff frequency. The X-axis of each pad will control the first voltage control oscillator. The Y-axis of each pad will control the second voltage control oscillator. The Horizontal Sliders and the Long Slider control effects. Use the Rotaries to control the mod wheel and the tuning. The Vertical Sliders control the VCO waveforms and pulse width.

Below is an image showing how iMS-20 is mapped to each control on the QuNeo in Factory Preset #15:

All Pads: Pressure = LPF Cutoff   X = VCO1 Scale   Y = VCO2 Scale

Frequency Mod

HPF Peak

LPF Peak

EG2 Release Time

Mod Wheel

Master Tune

VCO1 Waveform

VCO2 Waveform

VCO1 PW

VCO2 Pitch

F4	G4	A#4	C5
G3	A#3	C4	D#4
A#2	C3	D#2	F3
C2	D#2	F2	G2

External Signal Processor: Press: CV Adjust
Location: Threshold Level

MIDI Output diagram for QuNeo preset 15:

This image shows what MIDI data will output for each sensor in the "Korg iMS-20 - iPad" preset. In this preset the Pads use Drum Mode. Banks are not enabled. Rotaries are set to use Direction instead of Location. X/Y sources on the Pads are set to return to 63. Velocity response is enabled for notes on Pads.

Off	Off	Off	

Ch. 1 Location CC#12

Off Off

Ch. 1 Location CC#29

Off Off

Ch. 1 Location CC#71

Off Off

Ch. 1 Location CC#72

Ch.1 Direction CC# 1

Ch.1 Direction CC# 18

Off

Ch.1	Ch.1	Ch.1	Ch.1
Loc CC# 77	Loc CC# 82	Loc CC# 14	Loc. CC# 19

Pads (top to bottom, left to right):

Ch. 1 Note F4 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note G4 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note A#4 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note C5 Press CC# 74 X CC# 15 Y CC# 22
Ch. 1 Note G3 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note A#3 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note C4 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note D#4 Press CC# 74 X CC# 15 Y CC# 22
Ch. 1 Note A#2 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note C3 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note D#3 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note F3 Press CC# 74 X CC# 15 Y CC# 22
Ch. 1 Note C2 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note D#2 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note F2 Press CC# 74 X CC# 15 Y CC# 22	Ch. 1 Note G2 Press CC# 74 X CC# 15 Y CC# 22

Off Off

Off **Ch. 2 Press. CC#90 Loc. CC#91 Width. CC#92** Off