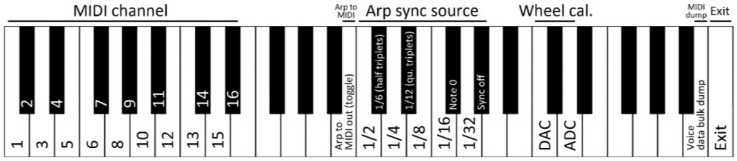
HAMBURG-WAVE JUPITER-4 UPGRADE CHEAT SHEET — FIRMWARE V1.2

SET UP MODE

1. switch off the JP-4
2. Hold down the top G and C notes while powering up
3. Listen for the sound to indicate success



MIDI CHANNEL SETTING

To change the send/receive channel pres one of the keys C1 - D#2 representing Channel 1 - 16
The last key pressed is the MIDI channel that is stored.

ARPEGGIATOR MIDI CLOCK AND TIME BASE

Choose how the incoming clock will effect the arpeggiator.
Listen for the confirmation sound to indicate your selection.

B2 **ARP TO MIDI OUT** (toggle)
C3 **1/2**
C#3 **1/6** (half triplets)
D3 1/4
D#3 1/12 (qu.triplets)
E3 1/8
F3 1/16
F#3 **NOTE 0**
G3 1/32
G#3 **SYNC OFF**

NOTE 0

With this source, you can advance the steps with playing note “0” with your sequencer. This is a note that normally isn’t used while regular playing (a 88-key piano keyboard starts with note 21 as A0, so technically this note is C-1). But it can be used to trigger your arp (or S&H) in uneven patterns.

VOICE DATA BULK DUMP

Use this option to initiate a voice/patch data bulk dump transmission via MIDI. Use your favorite sequencer software or MIDI SysEx-tool to record your patch data and save it to a file, to be able to reload it later.

RELOADING PATCH DATA:

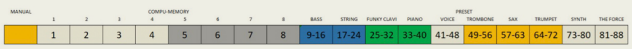
You can playback your voice patch data at any time into the synth, it will be automatically stored into its memory locations. You don’t need to be in setup mode to do that.
Also, the patch dump can be triggered anytime via a SysEx command. Find the command in the reference table at the end.

EXIT SETUP MODE

Press C5 (the top note) and listen for the parting tones.
The JP-4 will now be in normal operation mode.

MEMORY LOCATION

Access the 88 memory locations:



LOCATION 1 - 8	Buttons at face vallue
LOCATION 9 - 16	Press 9 (BASS) + 1-8
LOCATION 17 - 24	Press 10 (STRING) + 1-8
LOCATION 25 - 32	Press 11 (FUNKY CLAV) + 1-8
LOCATION 33 - 40	Press 12 (PIANO) + 1-8
LOCATION 41 - 48	Press 13 (VOICE) + 1-8
LOCATION 49 - 56	Press 14 (TROMBONE) + 1-8
LOCATION 57 - 63	Press 15 (SAX) + 1-8
LOCATION 64 - 72	Press 16 (TRUMPET) + 1-8
LOCATION 73 - 80	Press 17 (SYNTH) + 1-8
LOCATION 81 - 88	Press 18 (THE FORCE) + 1-8

PATCH STORAGE

OVERWRITE

1. Make sure the patch you’re using is selected
2. Press WRITE and “PROTECT” at the same time
3. Hold for 3 seconds

NEW LOCATION

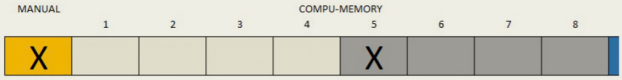
1. Press “WRITE” and “PROTECT” together
3. Within 3 seconds press the new memory location

MANUAL MODE

1. Hold “WRITE” and “PROTECT” together
2. Select first the COMU-MEMORY button, and next the BANK SELECT
3. Keep “WRITE” and “PROTECT” for an additional 3 seconds, then release.

ARPEGGIATOR MODES

There are additional arpeggiator modes.
To access them engage the arpeggiator in any mode



2 OCTAVE MODE

PRESS MANUAL + COMPU-MEMORY 5

3 OCTAVE MODE

PRESS MANUAL + COMPU-MEMORY 6

CHORD MODE

PRESS MANUAL + COMPU-MEMORY 7

ORIGINAL MODE

PRESS MANUAL + COMPU-MEMORY 8

MORE MODES VIA MIDI
CC 104
0-24 - Original Mode (4 Octaves)
25 - 48 - 1- Octave Mode
49 - 72 - 2-Octave Mode
73 - 96 - 3-Octave Mode
97 - 127 - Chord Mode