

Future Impact new features

Version 4.00 4/4/2024

New product release.

FUTURE IMPACT V4

Version 3.61

1. **Minor bugfix.** If the polyphony on the MIDI input was higher than 8 then a note was locked. Fixed.

Version 3.60

2. **Minor bugfix.** In MIDI and EWI mode oriental scale tuning was faulty, the feature is removed.

Version 3.50

1. **Separate Delay and Chorus:** Delay has 600 msec delay range.
2. **Tap Delay:** Delay tempo can be tapped while in Tuner Mode.
3. **MIDI Sync:** Delay1 or Delay1+2 or LFO4 can be synced to MIDI clock.
4. **Sustain:** A MIDI Sustain pedal (Ctrl 64) can be used to sustain the synth note.
5. **Bugfix:** It was not possible to step down from program 99. Fixed.
6. **Bugfix:** Flexi source as MIDI CC worked correctly only after second call.

Version 3.04

1. **Bugfix:** Tuner was modulated by VCO LFO.
2. **Ctrl 92 is implemented** for controlling INSTR volume in MAIN MIXER.
3. **INSTR path is smoothed** even for large sudden changes by MIDI.

Version 3.03

1. **Bugfix:** editor communication worked on channel 1 only. Now any channel
2. **New MIDI Controllers:** 88: PRG UP; 89:TUNER ON/OFF; 90:BANK UP; 91: BANK DOWN
3. **Bugfix:** When ON/OFF is activated by Ctrl 66 then TUNER is forced OFF.

Version 3.00

1. **New file format.** This software is the most important upgrade in the history of the FI (now called FI v3), it is hard to list all details here. The new sound programs are larger than before, they have the extension *.pr3. The new editor (also 3.00) can read old *.prg files and will convert them to the new format.
2. **Bass/Split/Guitar/MIDI/EWI mode.** Beyond bass and guitar there are several new modes for bass in split mode (splitting between two audio channels), MIDI keyboards, and electronic wind instruments.

3. **4 Flexi controllers.** The most important news of this software are the Flexi controllers. See the description in the manual.
4. **ADSR Envelopes.** The old AD (VCF) and AR (VCA) envelopes can be switched to mini-compatible full ADSR.
5. **3 Effects simultaneously.** The three effects that were available only separately, can be used now all simultaneously. The sequential order can be selected.
6. **Oriental scale tuning.** In EWI and MIDI mode a custom oriental scale can be defined by the user.
7. **New LFOs.** The LFOs of VCO3 and VCO4 can be used with all kind of waveforms for the Flexi controllers.

Version 2.20

1. **Tune Base.** This is the tune base value for the synthesizer as it is used through MIDI IN as an expander. Using the FI with a bass guitar is not affected by this parameter, as the tuning of the synthesizer is locked to the tuning of the bass guitar anyway. The next global parameter after vCF is tbS (tune base). When you change the parameter selector from the leftmost position, the display changes to the tune base value, it can be edited with the wheel. The default is 440. The adjustment range is from 428 Hz (ca. -50 cents) to 452 Hz (ca. +50 cents). This adjustment will also set the base of the TUNER. When you upgraded to this version (or any higher) then you should either perform a parameter reset, or set this to default (440), otherwise your tuner will show wrong values, and if you use it from MIDI then the notes will be out of tune.
2. **Bass/Guitar mode.** The next global parameter after Tune Base is Gtr (Bass/Guitar mode). The adjustment range is bSS or Gtr. As this is a very important parameter, it is displayed on power up for 1 second right after the version number.
3. **Further pitch tracking improvement.** Together with the implementation of Bass/Guitar mode the pitch tracking is significantly improved; this affects bass guitar mode as well.
4. **Attack modifier bug fixed** (worked only in Vintage mode);
5. **Effect on-off flip through MIDI.** Control 69 (Hold2) is used for this. If the data byte is >63 then flips between on and off. If it is <=63 then the message is ignored.
6. **MIDI NOTE OFF bug fixed.** In keyboard mode the sound was locked if a NOTE OFF was repeated twice.
7. **Program Upload implemented.** Programs can be read back from the FI, in order to save them on computer. Requires 2.20 editor.

Version 2.03

1. **Tuner.** Press and hold ON/OFF for a second. In either case if it was ON or OFF, it will go ON, but the output will be muted (audibly it will go off). Tuner is activated. The first digit shows the note, the second the # sign, and the third the fine tune value with one or more of the three horizontal lines. The lower line alone means flat by > 10 cents, lower and middle flat by > 3 cents, the

center line means OK (within ± 3 cents), middle and upper line sharp by > 3 cents, upper line sharp by > 10 cents. Press ON/OFF briefly, and it returns to ON state. While in tune mode, the display is blank if there is no signal.

2. **Passing sys real messages.** Some users complained that while MIDI channel messages are passed through, sys real messages, especially timing clock does not. This is corrected now, timing clock, start, continue, stop is passed as well.