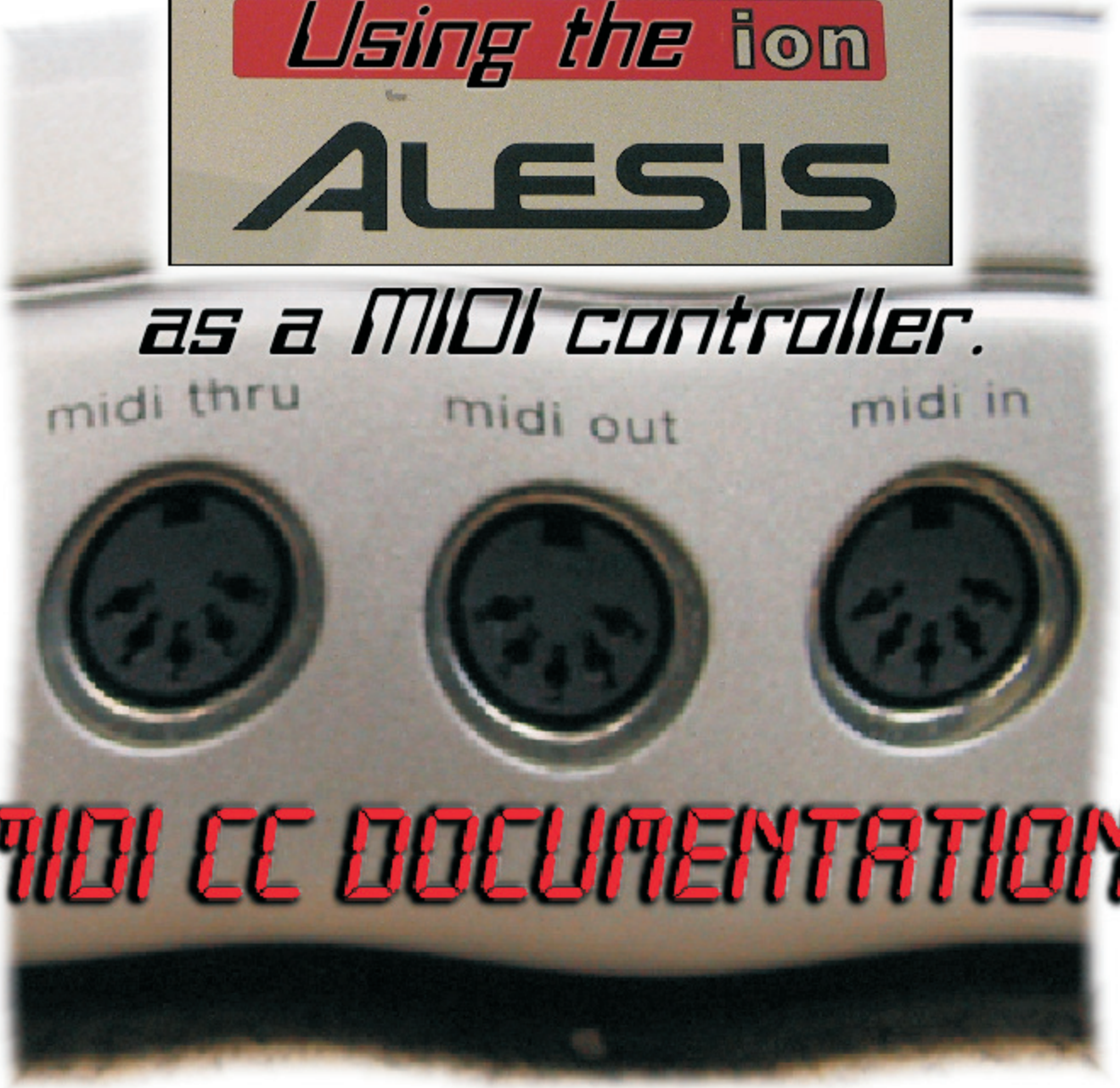


Using the ion ALESIS

as a MIDI controller.



MIDI CC DOCUMENTATION

TABLE OF CONTENTS

Wheels: page 03
Pedals: page 04
Operating System: page 05
Global CC: page 06
Voice / LFO / S&H: page 07
Arpeggiator: page 08
Osc 1,2,3 & FM: page 09
Pre Filter Mix: page 10
Navigation: page 11
Bank Changes: page 12
Program Changes: page 13
Envelopes - A, F, P/M: page 14
Filters 1,2: page 15
Post Filter Mix / Output: page 16
Diagnostics 1: page 17
Diagnostics 2: page 18
Credits: page 19
Reference Guide page 20

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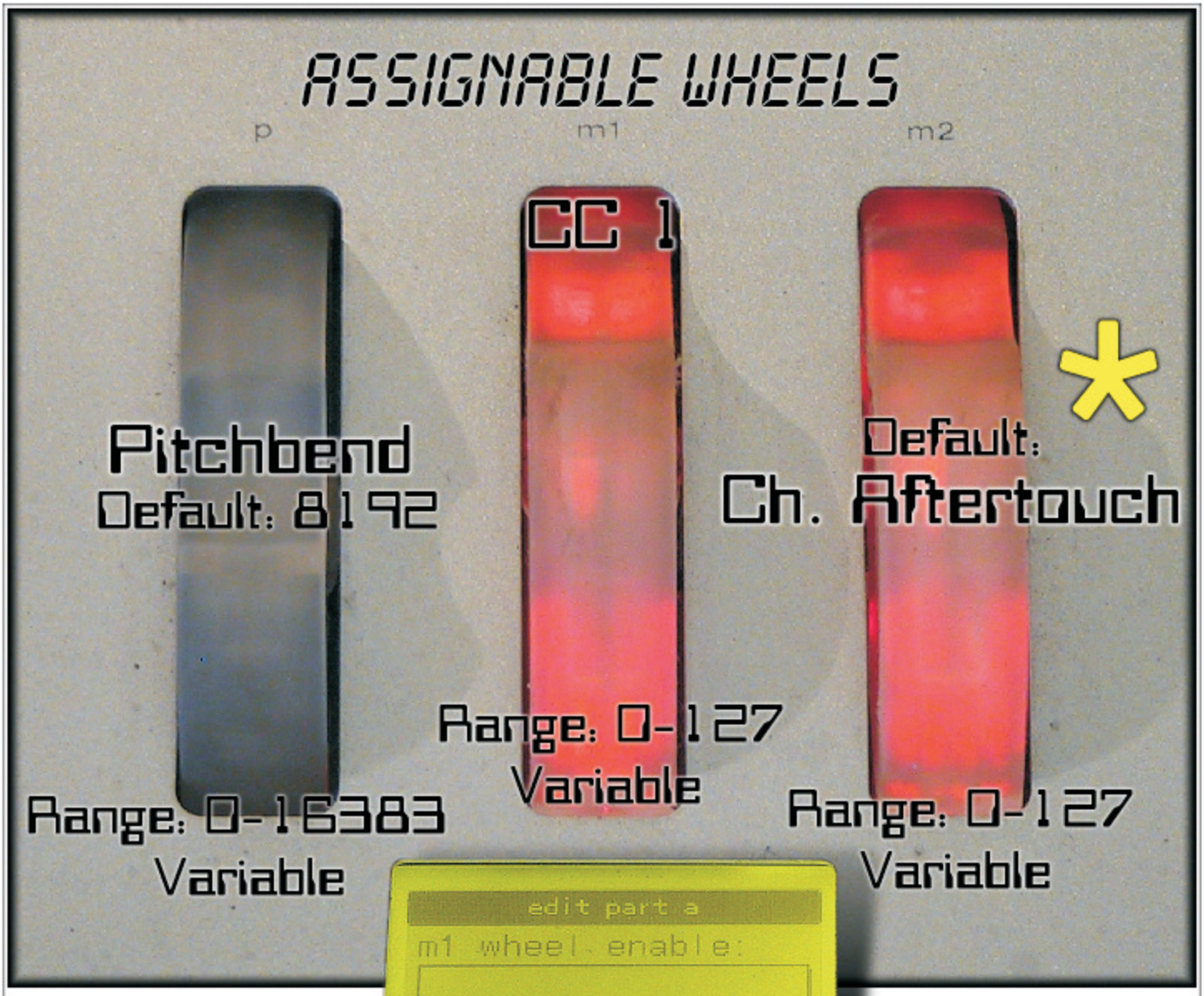
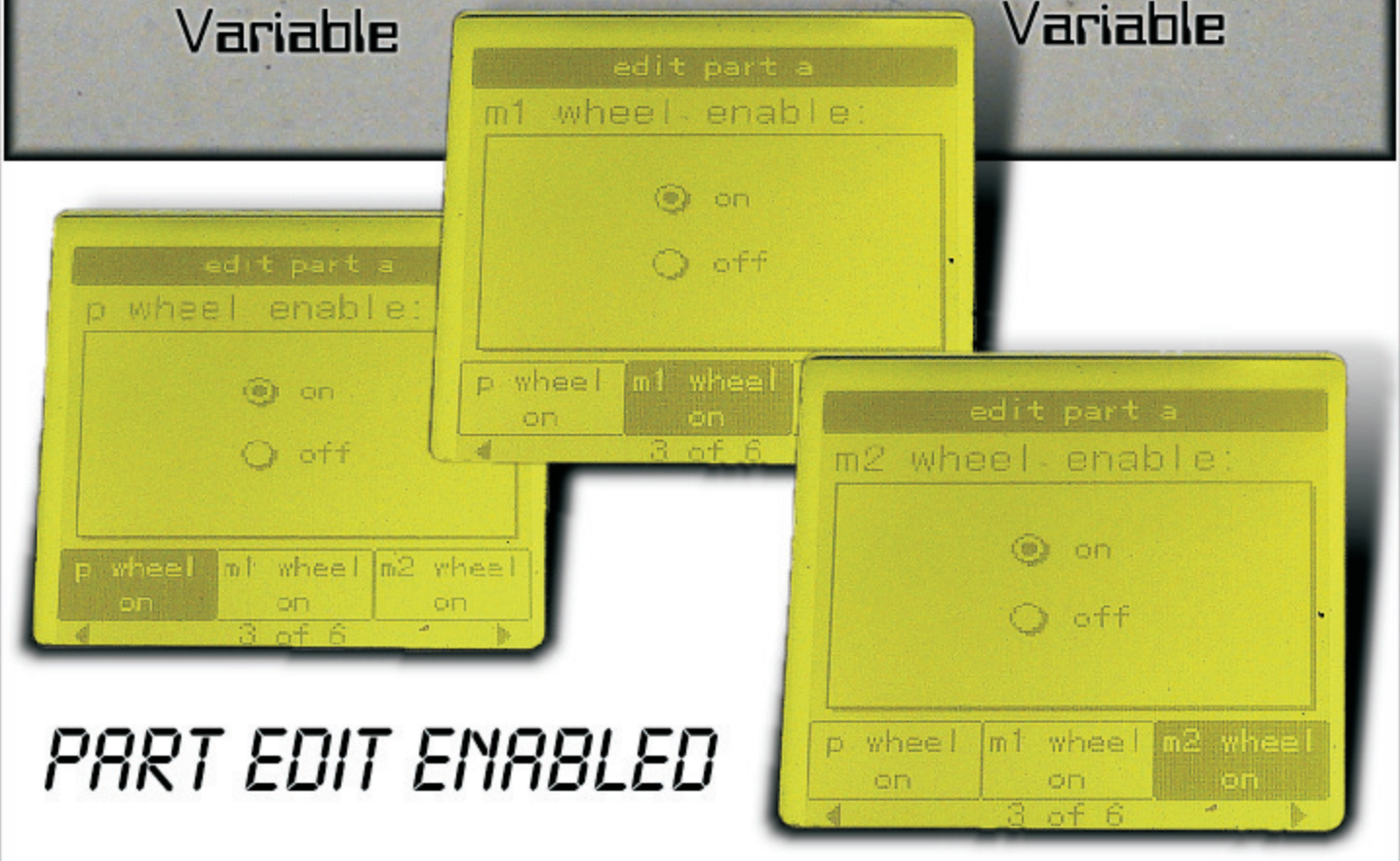
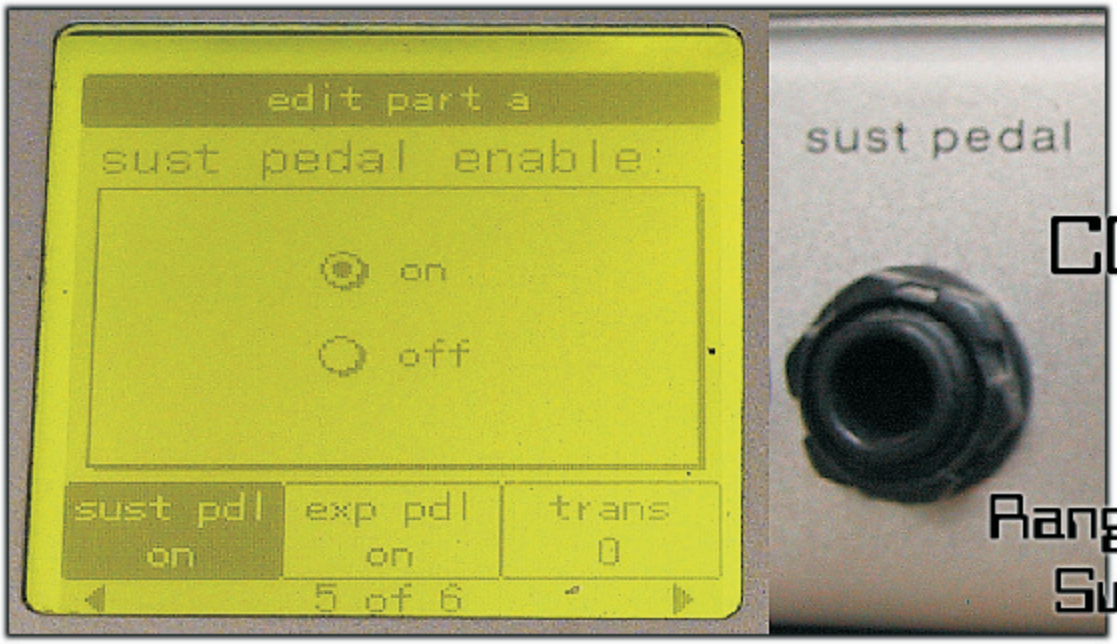




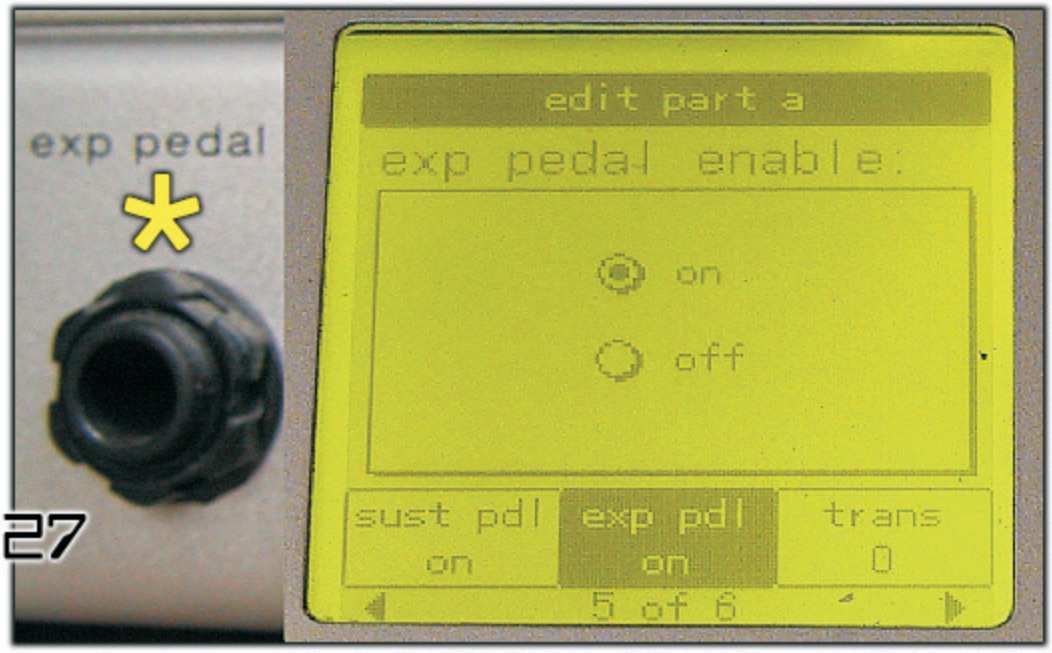
PART EDIT ENABLED



CC 64

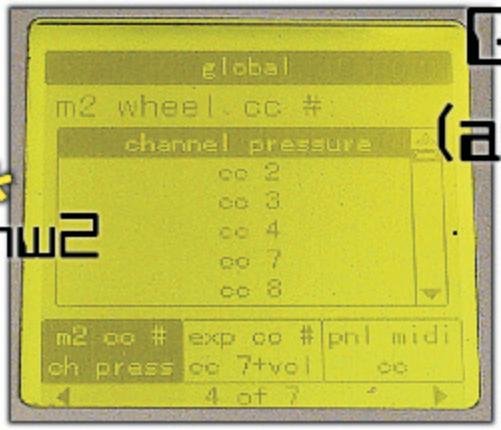
Range: 0,127
Switched

PART EDIT ENABLED

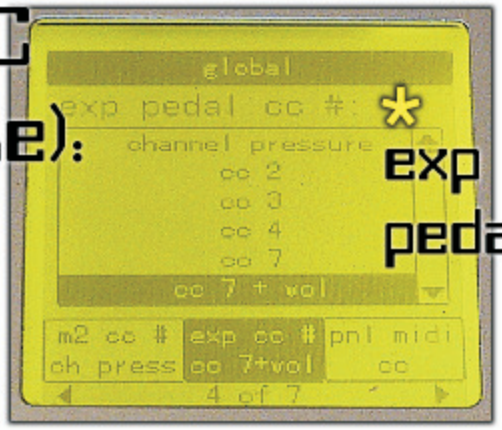


Range: 0-127
Variable

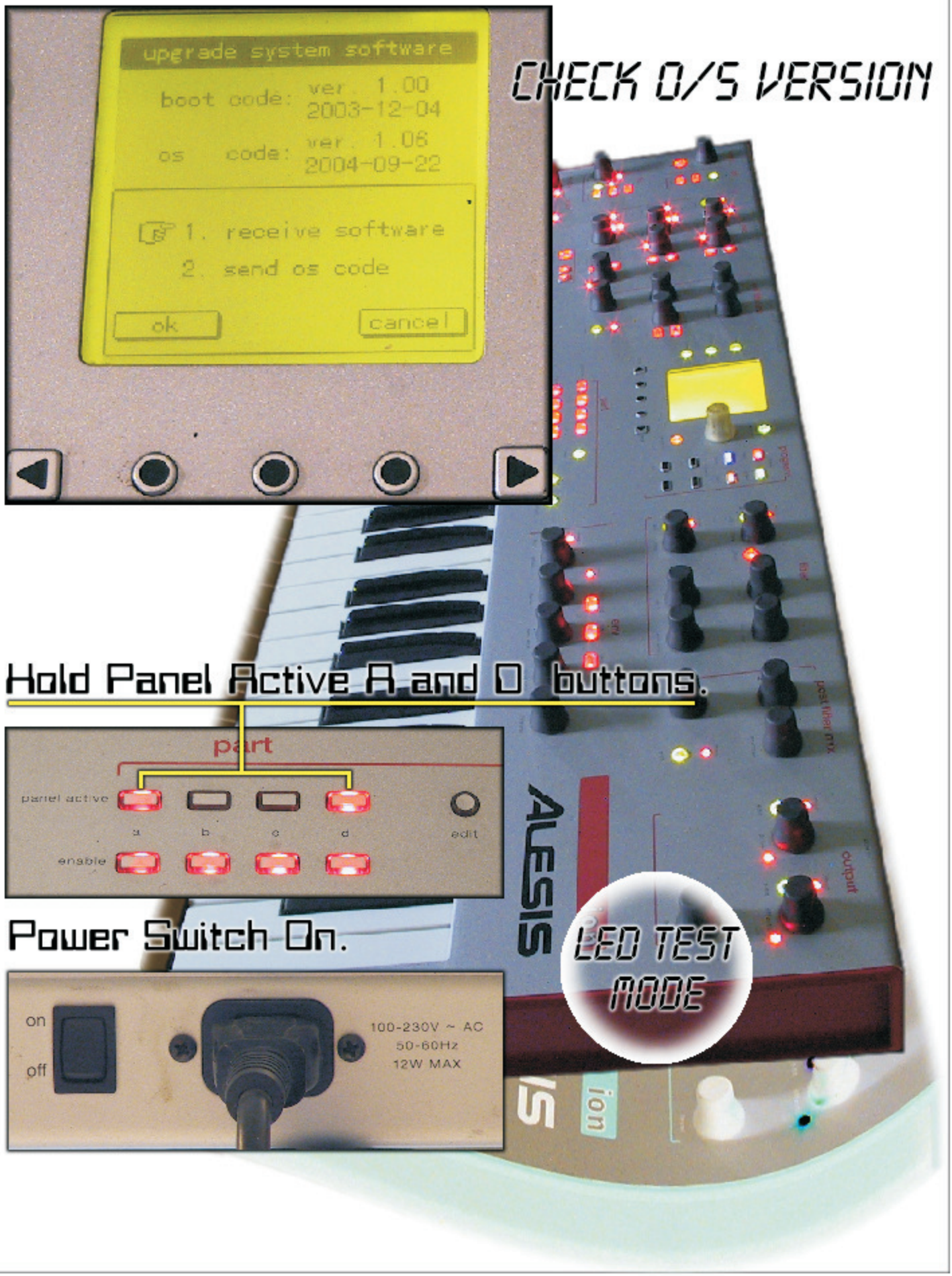
Global CC
(assignable):



*mw2



*exp pedal


upgrade system software
boot code: ver. 1.00
2003-12-04
os code: ver. 1.06
2004-09-22
1. receive software
2. send os code
ok
cancel
CHECK O/S VERSION
Hold Panel Active A and D buttons.
part
panel active
a
b
c
d
edit
enable
Power Switch On.
on
off
100-230V ~ AC
50-60Hz
12W MAX
LED TEST MODE
ALESIS
ion


SET GLOBAL CC TRANSMISSION
home
mod matrix
global
global
panel send midi:
off
on - nrpn
on - cc
m2 cc #
ch press
exp cc #
cc 7+vol
pnl midi
cc
4 of 7
edit part a
midi/local:
midi only
local only
midi+local
midi receive only
midi/loc
m+l
lo key
0
hi key
127
2 of 6
store
compare
page
part
edit
a
b
c
d
Local On/Off:
per-part edit

CC messages transmit with Tempo Sync: Off



Range: 0-127
Variable



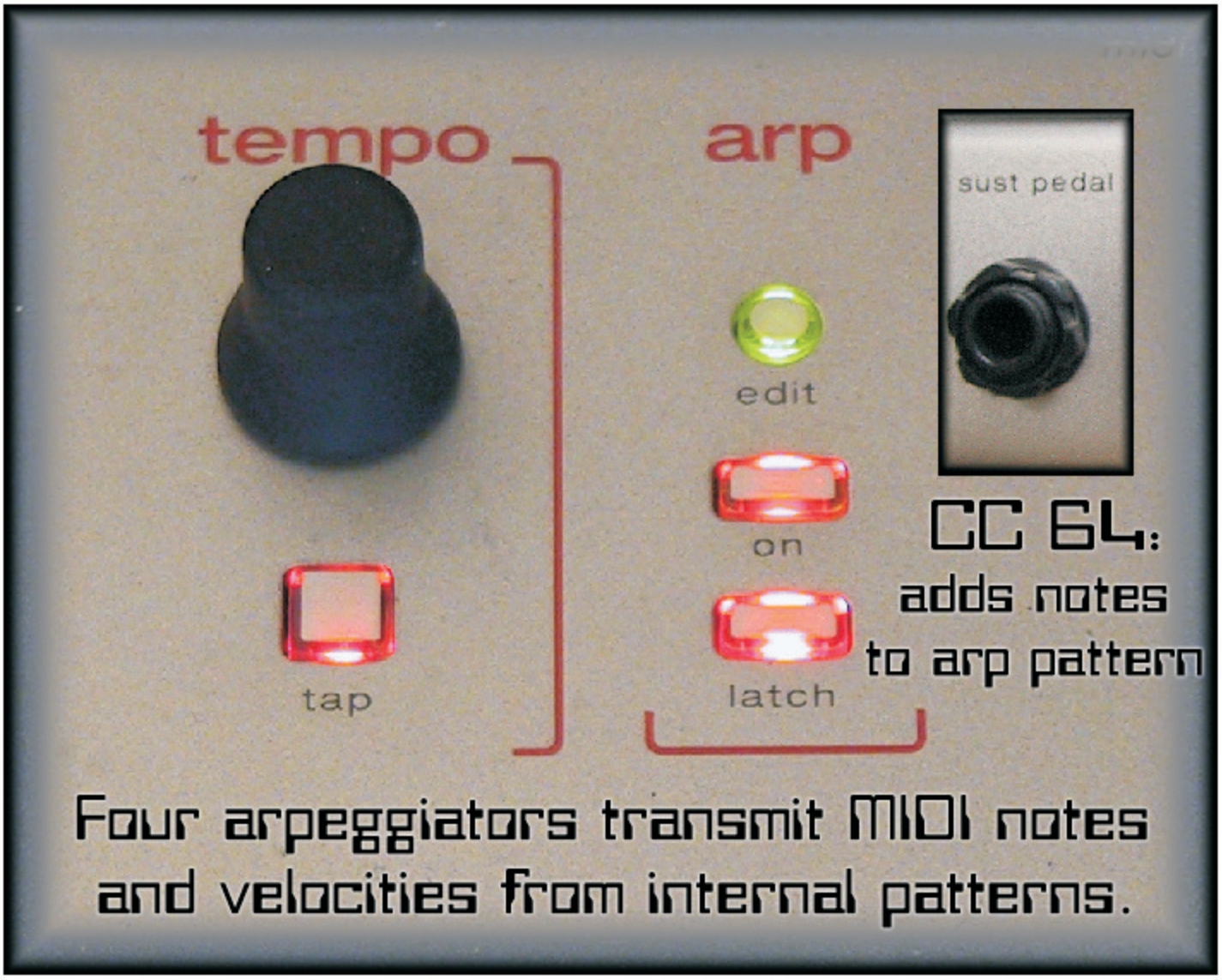
Default Value: 25

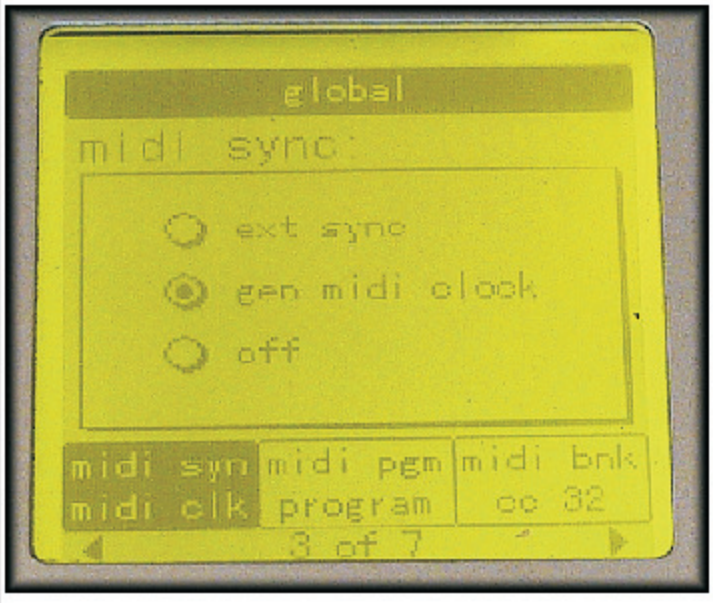




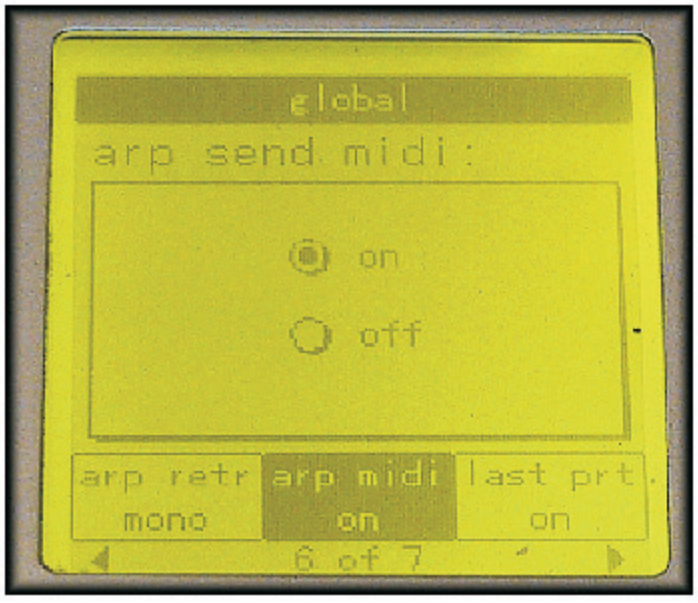
CC 65

Range: 0, 127
Switched

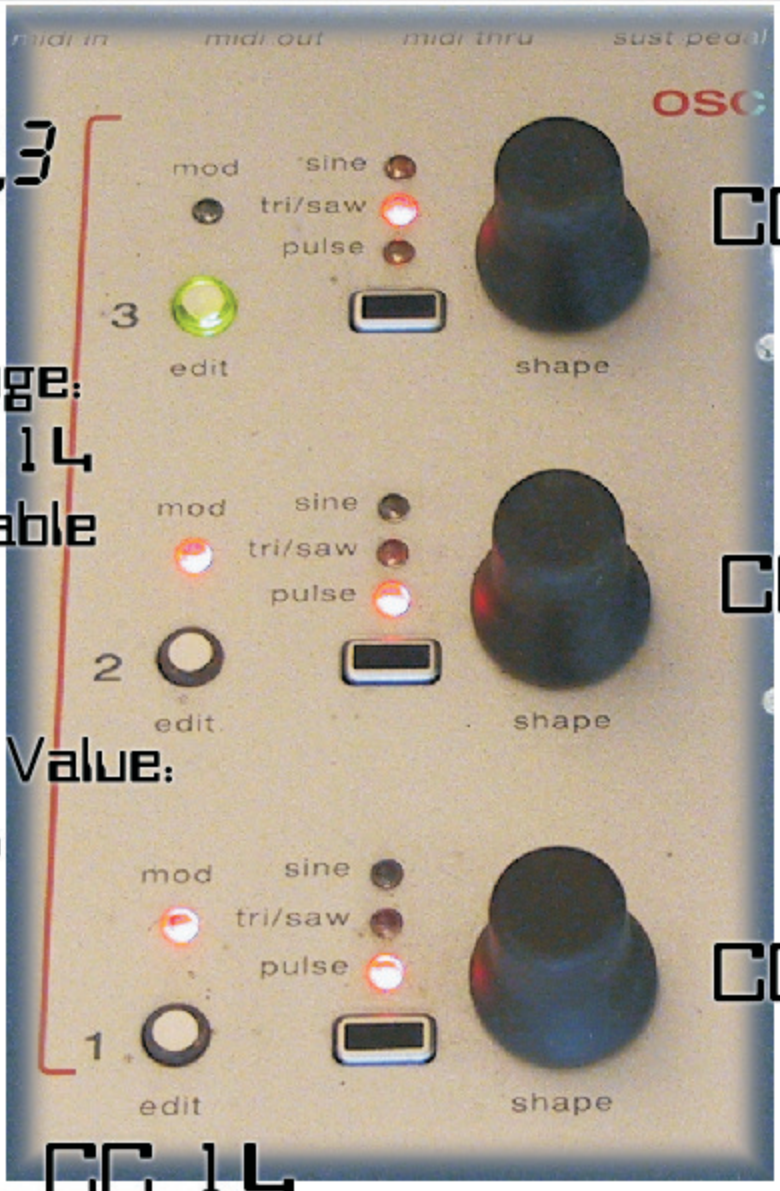




Set Int/Ext MIDI Sync



Arpeggiator MIDI X-mit



OSC 1,2,3

CC 72

Range:
14-114
Variable

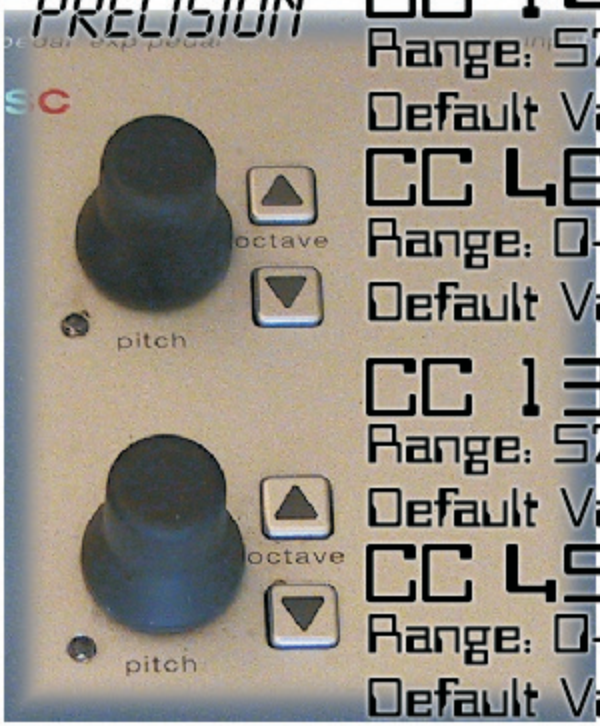
CC 71

Default Value:
64

CC 70

pitch fine
'DOUBLE'
PRECISION

CC 14
Range: 57-71
Default Value: 64



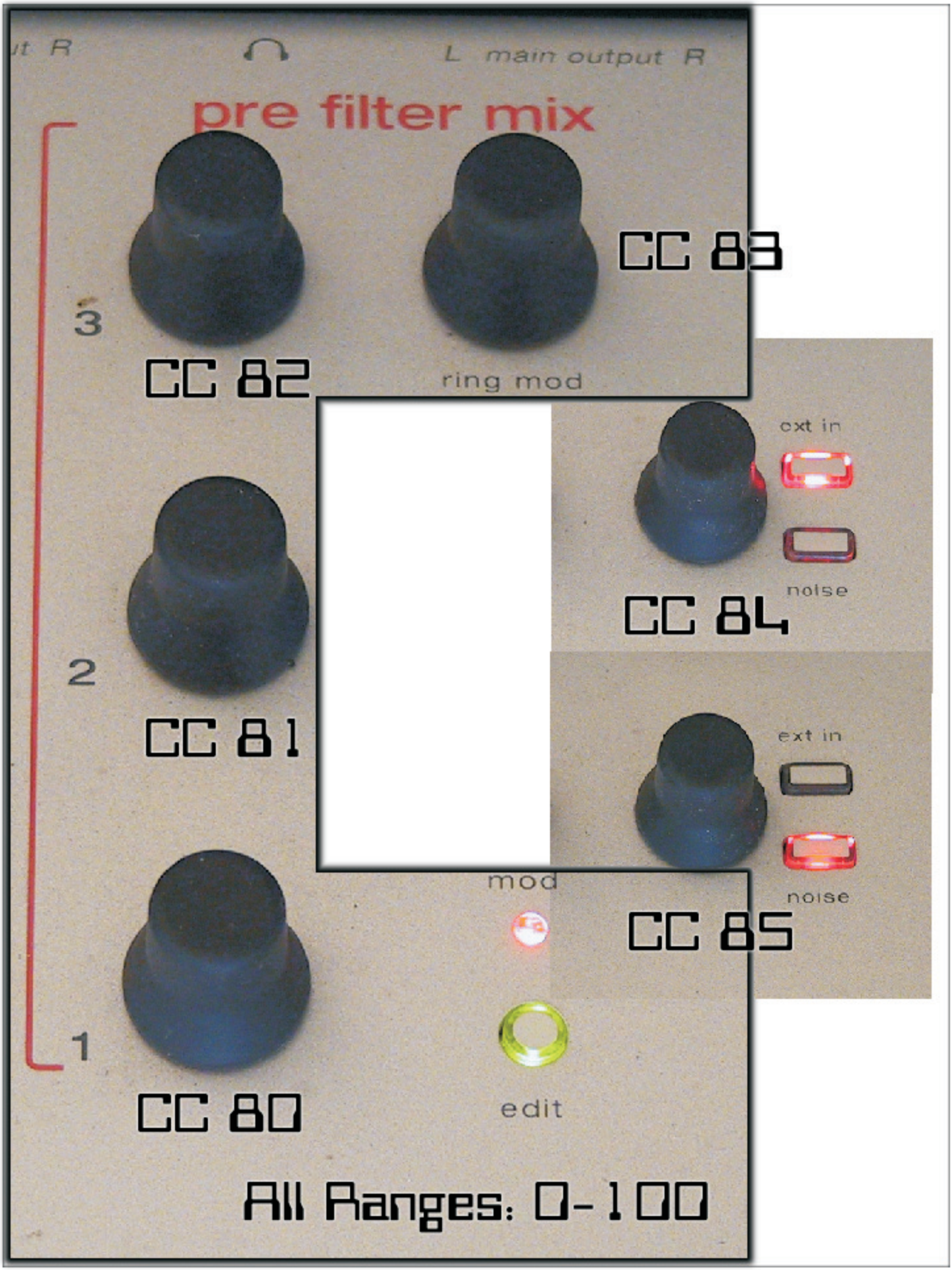
CC 46
Range: 0-64
Default Value: 64

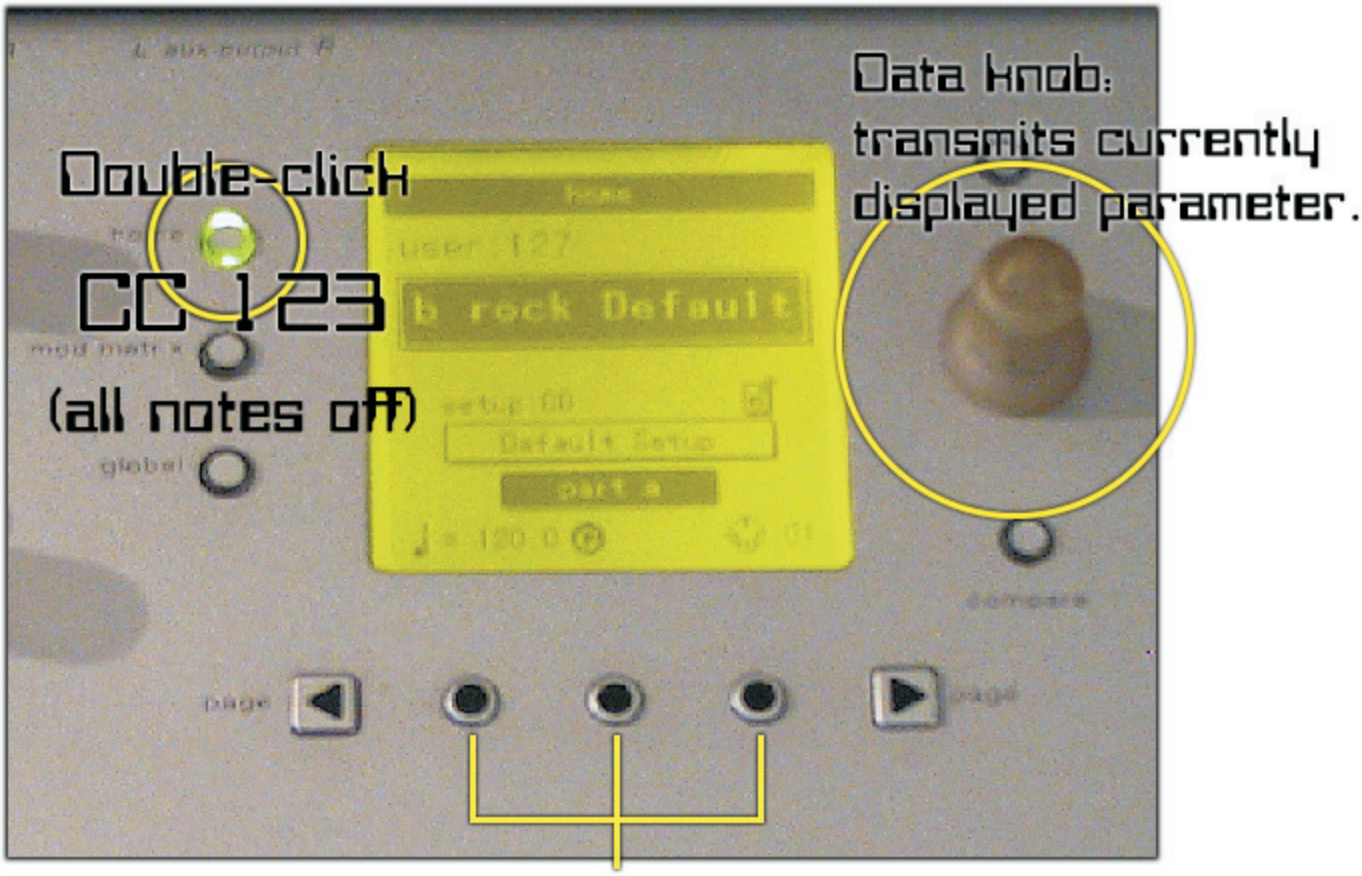
CC 13
Range: 57-71
Default Value: 64

CC 45
Range: 0-64
Default Value: 64

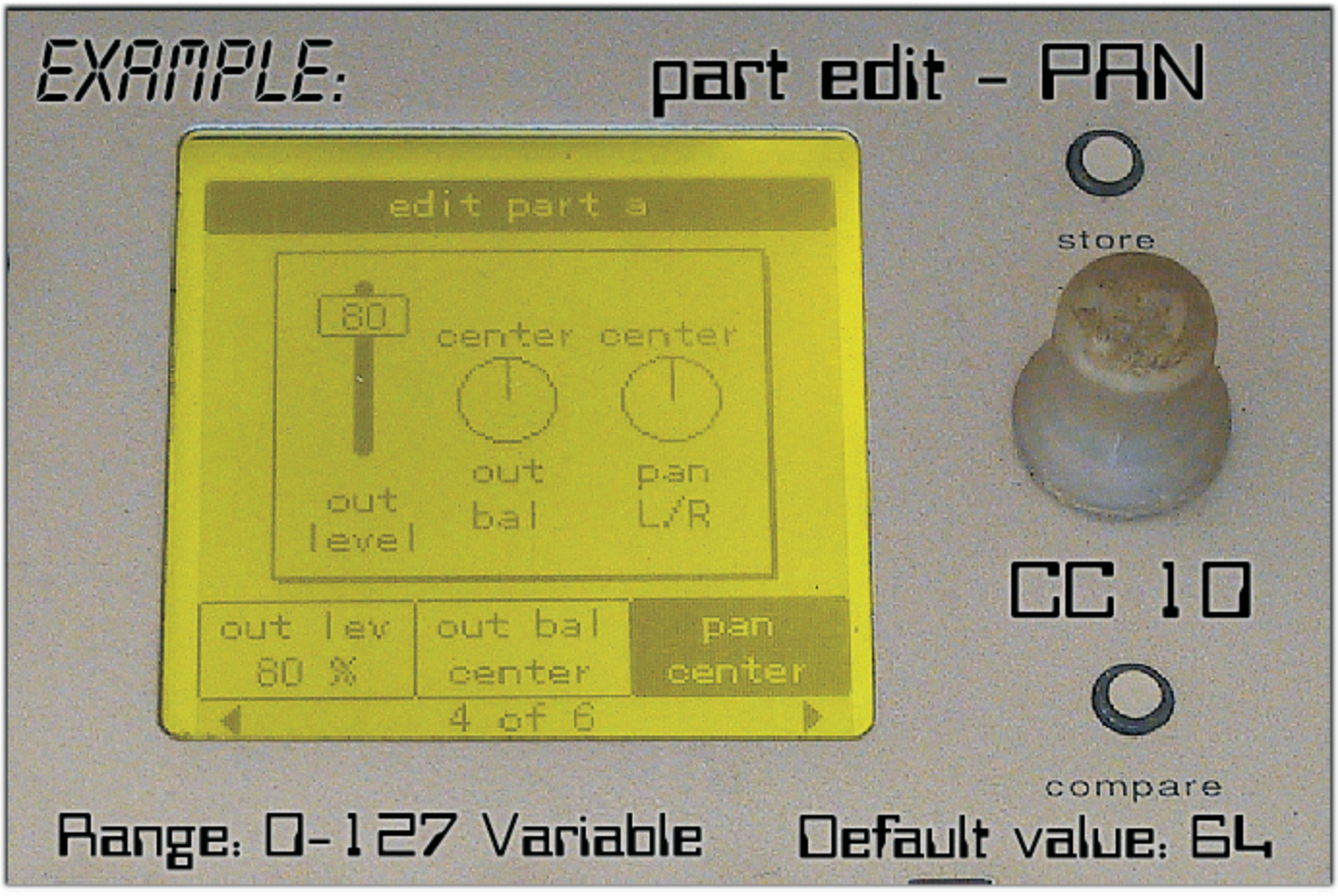


CC 9
Range:
0-125
Variable
Default value: 0

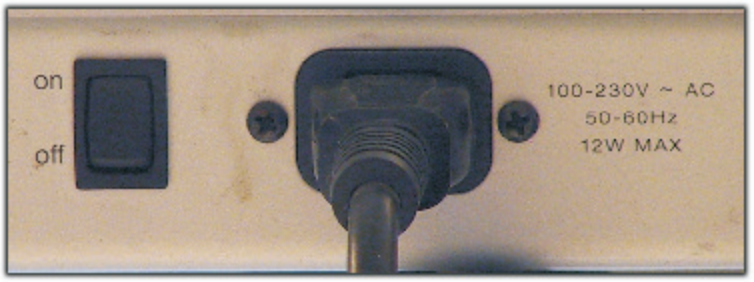

L main output R
pre filter mix
3
CC 83
CC 82
ring mod
ext in
noise
CC 84
2
CC 81
ext in
noise
CC 85
mod
1
CC 80
edit
All Ranges: 0-100



Double-click: Default value transmitted.



Range: 0-127 Variable Default value: 64



POWER ON:
TRANSMIT 4 BANK/PROGRAM CHANGES



Bank value: 0



Bank value: 1

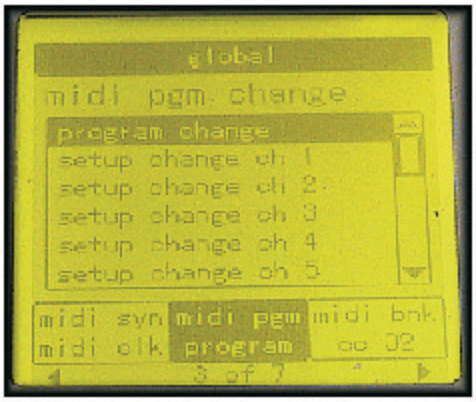




Bank value: 2

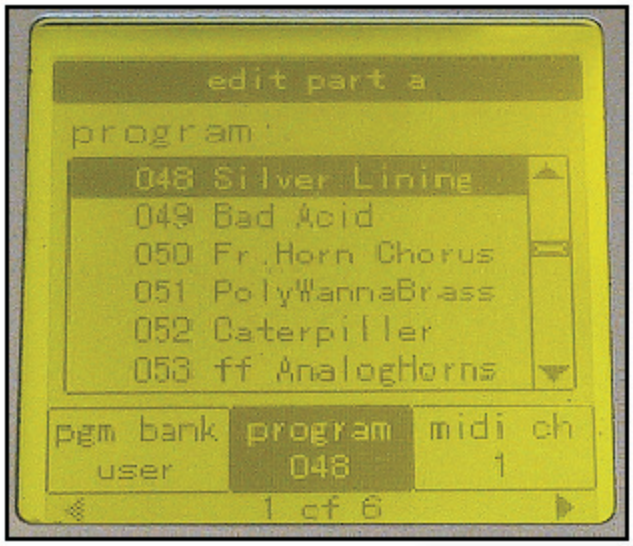


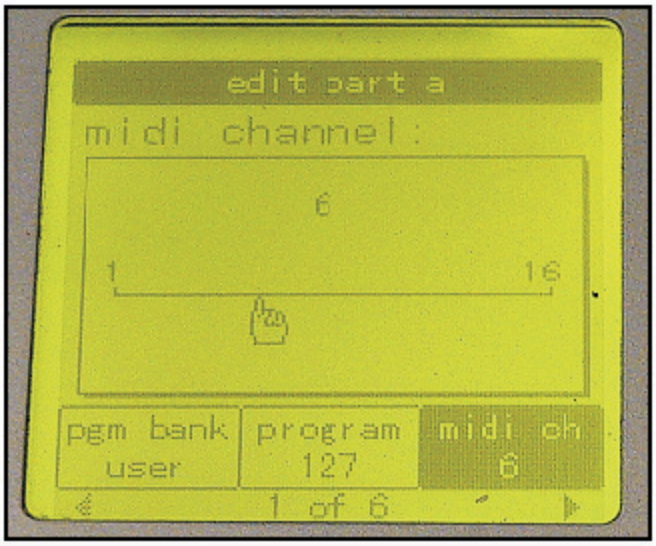
Bank value: 3



GLOBAL PROGRAM CHANGE

PART EDIT:
PROGRAM CHANGES / MIDI CHANNEL





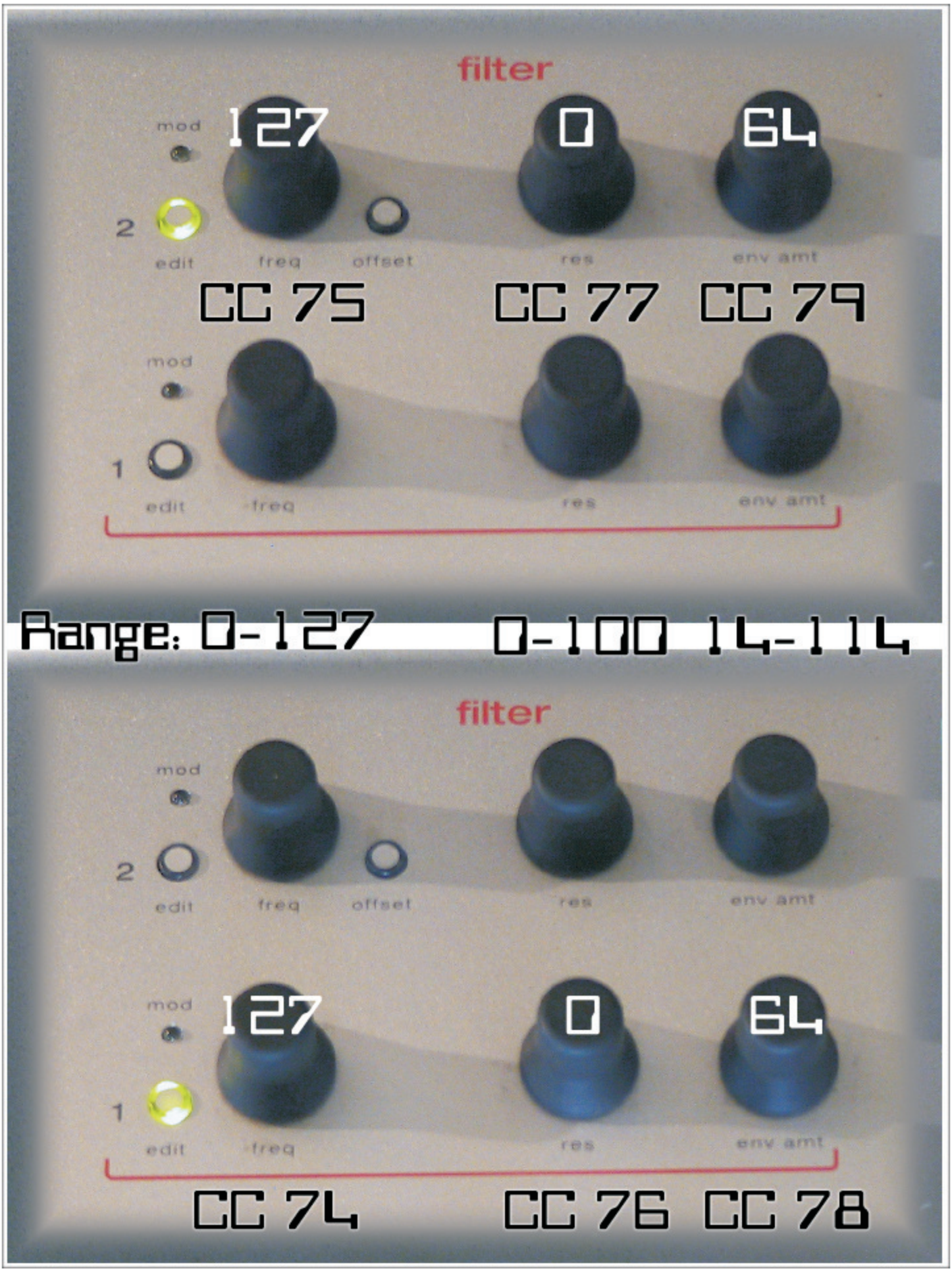


ALL BUTTONS / ENCODER:
TRANSMIT BANK / PROGRAM CHANGES

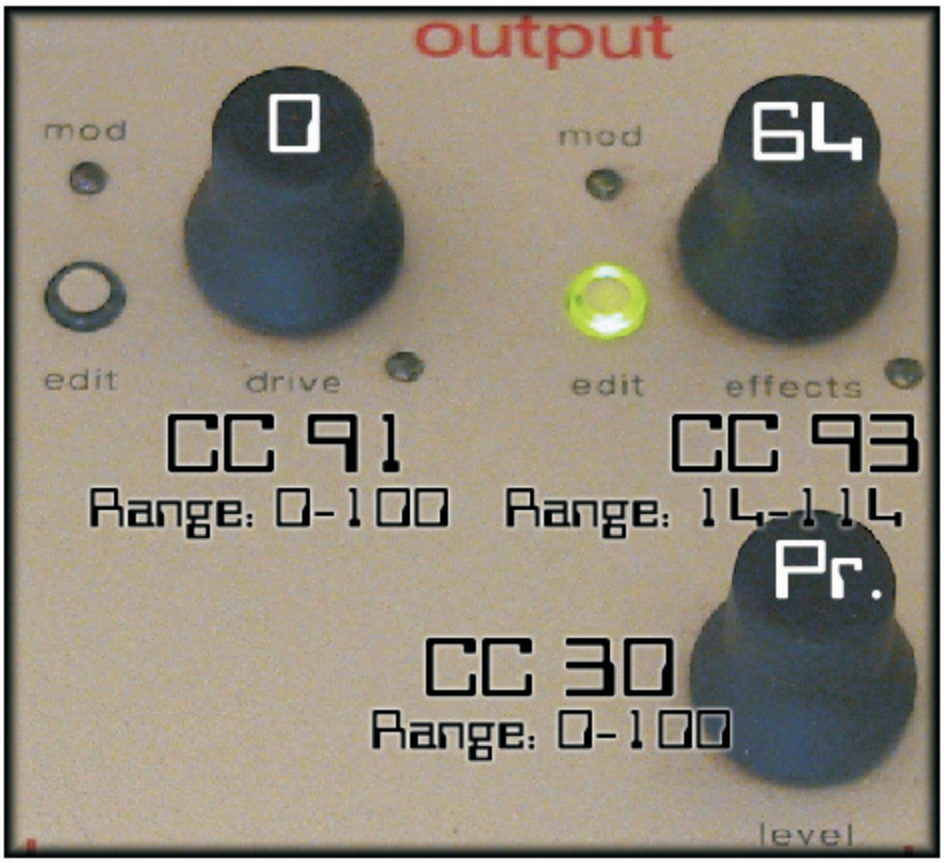

amp env SW
loop
pitch/mod
filter
amp
mod
edit
0
0
114
64
0
attack
decay
sust level
sust time
release
CC 20
CC 21
CC 22
CC 23
CC 24
Range: 0-127
0-127
64-114
0-64
0-64


filter env SW
loop
pitch/mod
filter
amp
mod
edit
0
0
114
64
0
attack
decay
sust level
sust time
release
CC 25
CC 26
CC 27
CC 28
CC 29
Range: 0-127
0-127
64-114
0-64
0-64

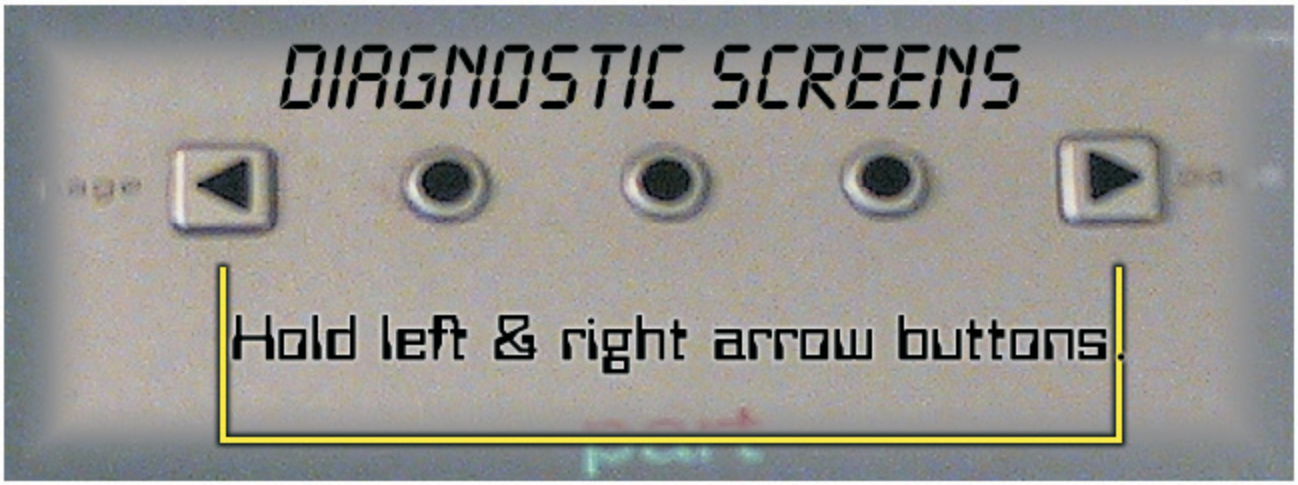

pitch/mod env SW
loop
pitch/mod
filter
amp
mod
edit
0
0
114
64
0
attack
decay
sust level
sust time
release
CC 50
CC 51
CC 52
CC 53
CC 54
Range: 0-127
0-127
64-114
0-64
0-64


filter
mod
127
0
64
2
edit
freq
offset
res
env amt
CC 75
CC 77
CC 79
mod
1
edit
freq
res
env amt
Range: 0-127
0-100
14-114
filter
mod
2
edit
freq
offset
res
env amt
mod
127
0
64
1
edit
freq
res
env amt
CC 74
CC 76
CC 78


post filter mix
0
0
2
CC 17
prefilter
CC 18
100
mod
All Ranges: 0-100
1
CC 16
edit

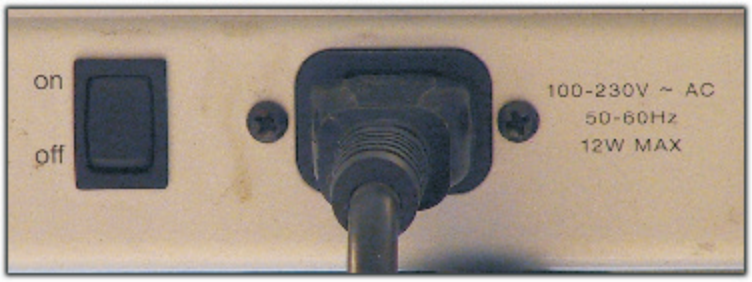

output
mod
0
mod
64
edit
drive
edit
effects
CC 91
Range: 0-100
CC 93
Range: 14-114
Pr.
CC 30
Range: 0-100
level

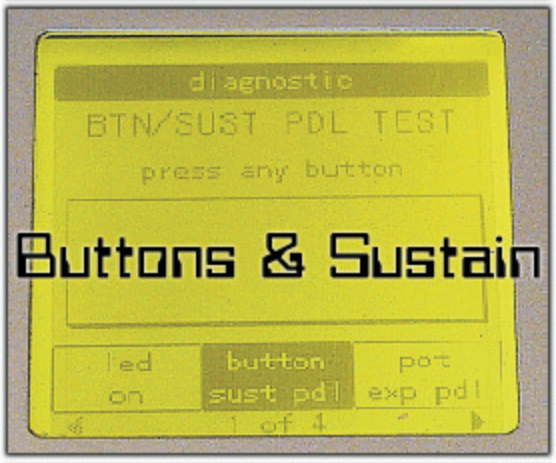
DIAGNOSTIC SCREENS





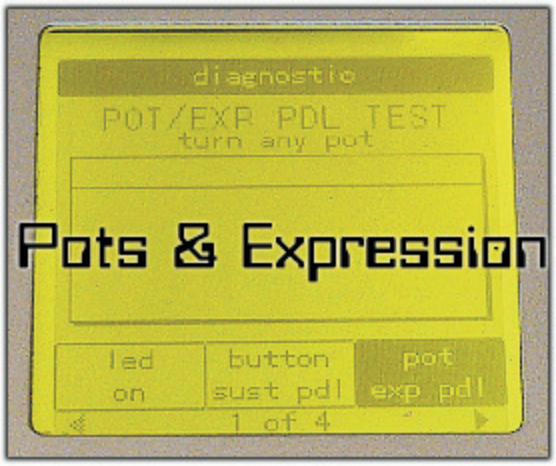
Power Switch On.



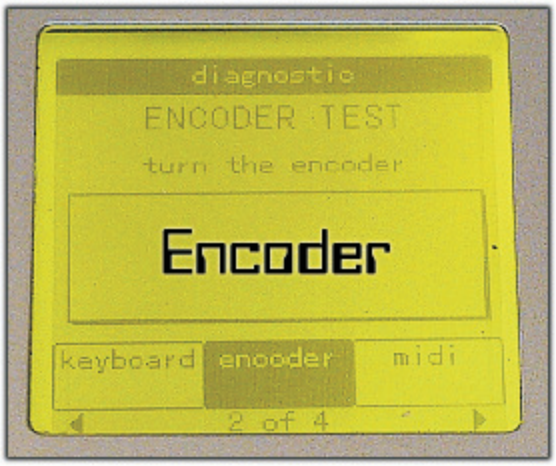


Buttons & Sustain Pedal

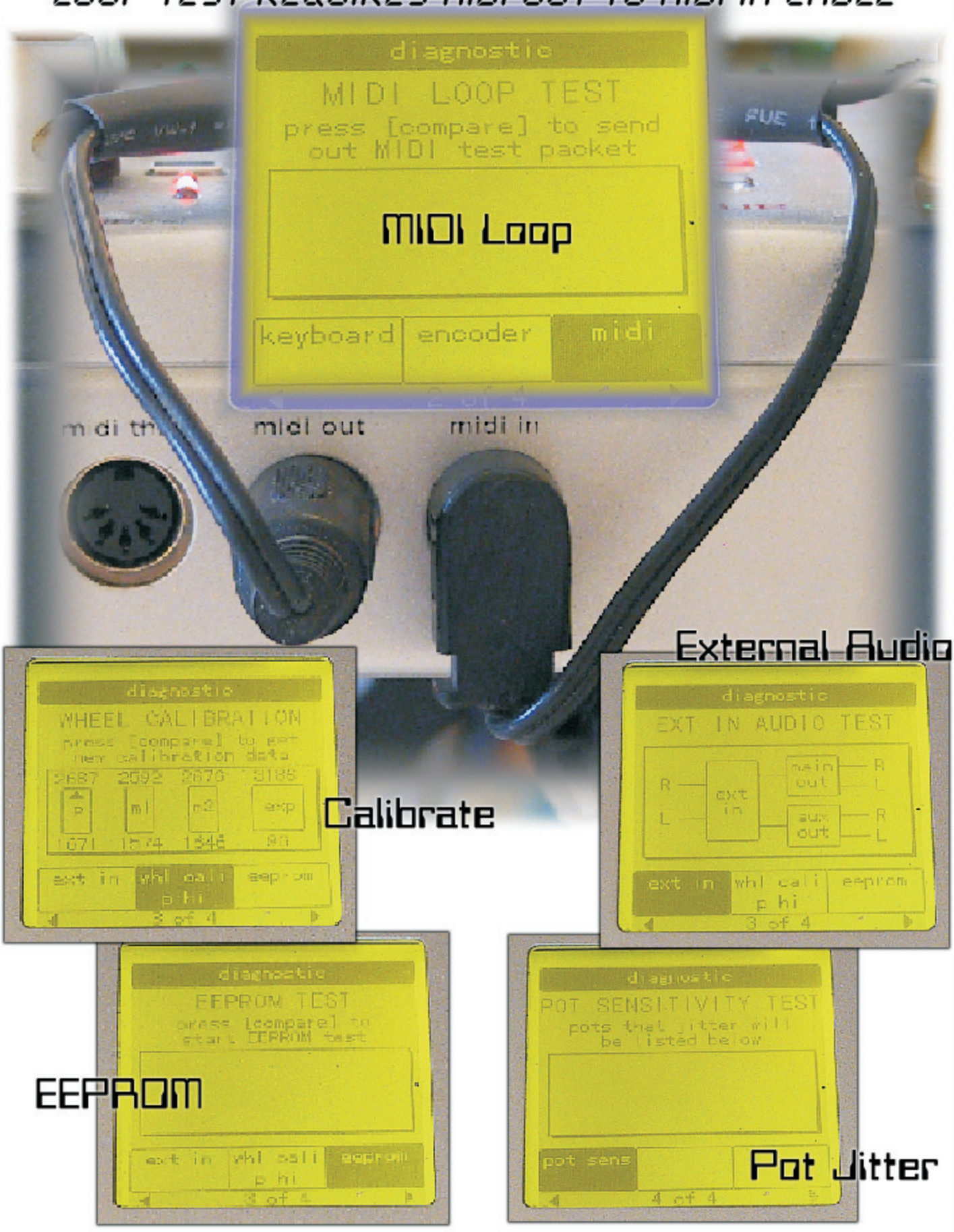




Pots & Expression Pedal



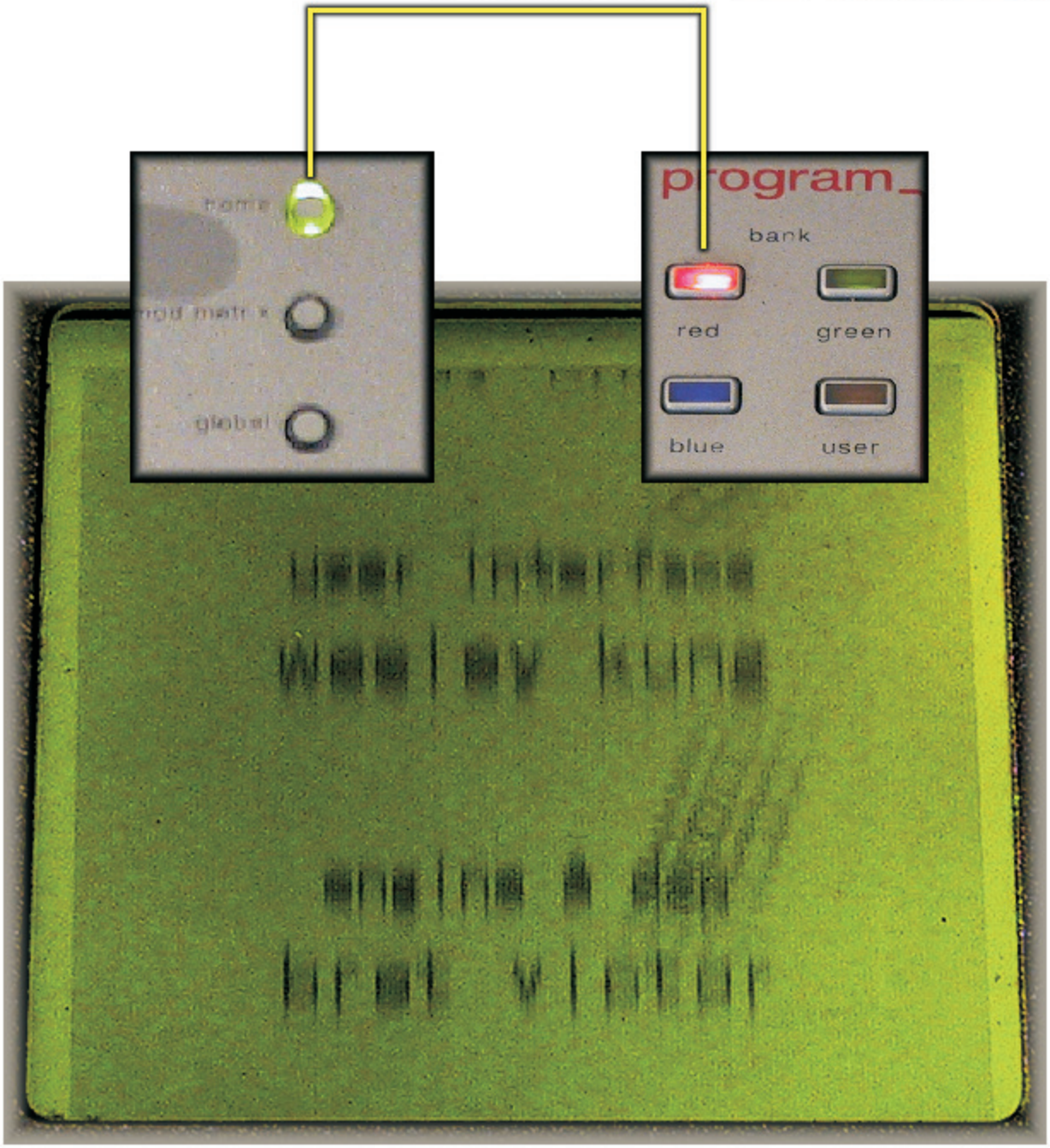
LOOP TEST REQUIRES MIDI OUT TO MIDI IN CABLE



CREDITS 'SPLASH' SCREEN

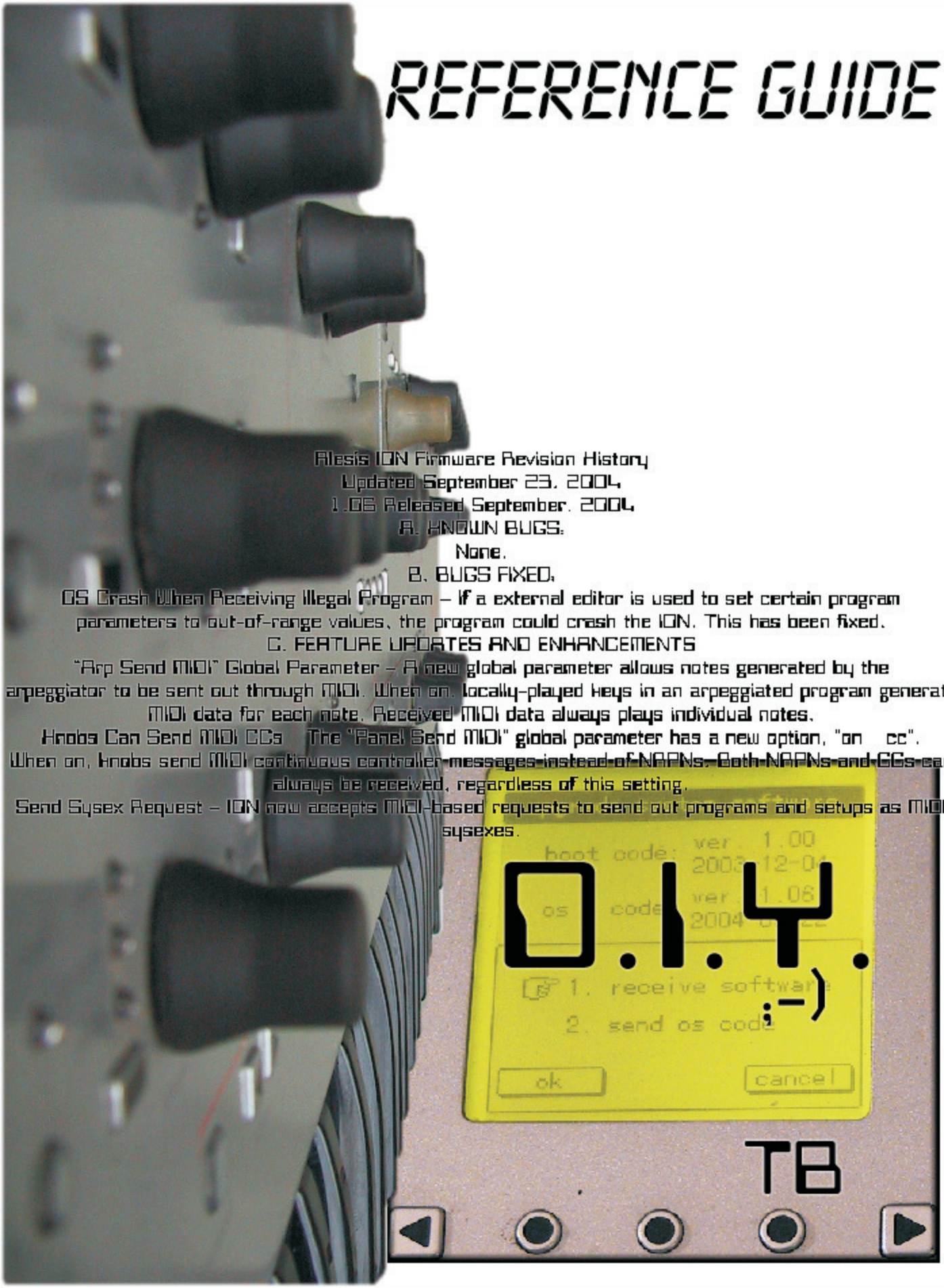
Hold the Home key.

Press the RED bank button.



Images & information c/o 2008
arete digital media

REFERENCE GUIDE



Alesis ION Firmware Revision History
Updated September 23, 2004
1.06 Released September, 2004

A. KNOWN BUGS:

None.

B. BUGS FIXED:

OS Crash When Receiving Illegal Program – If a external editor is used to set certain program parameters to out-of-range values, the program could crash the ION. This has been fixed.

C. FEATURE UPDATES AND ENHANCEMENTS

"Arp Send MIDI" Global Parameter – A new global parameter allows notes generated by the arpeggiator to be sent out through MIDI. When on, locally-played keys in an arpeggiated program generate MIDI data for each note. Received MIDI data always plays individual notes.

Knobs Can Send MIDI CCs – The "Panel Send MIDI" global parameter has a new option, "on cc". When on, knobs send MIDI continuous controller messages instead of NRPNs. Both NRPNs and CCs can always be received, regardless of this setting.

Send Sysex Request – ION now accepts MIDI-based requests to send out programs and setups as MIDI sysexes.