Be-Station

QUICK – START GUIDE

BE-STATION - BE-MIX - ETHERNET / WIFI MODE

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1.) Equipment

You will need the following:

1	x	Be-Station
1	x	be-station ac/dc power supply (or 9v batteries installed)
1	x	compatible palm os Wifi pda or smartphone
1	x	Wireless access point e.g. Linksys WAP54G or similar
1	x	SD card with be-mix software
1	x	serial key-code for be-mix
1	x	standard Ethernet cat5 patch cable
2	x	Midi cable
1	x	Yamaha digital console

Compatible palm os pda:

- Palm pilot tx, lifedrive

Compatible Yamaha digital consoles:

- Pm5d
- M7cl
- Ls9
- Dm2000 versions 1 and 2
- O2r 96 versions 1 and 2
- O1v 96 versions 1 and 2

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2.) CONNECTIONS

In Ethernet mode the only cable connections to make are the two midi cables which connect the be-station to the console, and the cat5 connection between the be-station and the wireless access point.

the midi-out socket on the console should connect to the midi-in socket on the be-station.

the midi-in socket on the console should connect to the midi-out socket on the be-station.

use a standard cat5 Ethernet patch cable and not a cat5 'crossover' cable to make the connection between the be-station and the wireless access point.

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3.) BE-STATION SET-UP

A) CONNECT THE AC/DC POWER SUPPLY TO THE POWER JACK ON THE REAR OF THE BE-STATION. ALTERNATIVELY PUT ONE OR TWO 9VOLT BATTERIES IN THE BATTERY COMPARTMENTS. THE BE-STATION WILL RUN ON ONE BUT TWO BATTERIES SIMPLY LAST LONGER

B) PUSH THE POWER SWITCH TO "EXTERNAL" IF YOU ARE RUNNING AC/DC OR SWITCH TO "BATTERY" IF YOU ARE USING BATTERIES.

C) FOR ALL CURRENT APPLICATIONS SET THE "BE-SNIFFER" SWITCH TO OFF. IF IT IS SWITCHED TO ON BE-MIX MAY OPERATE INCONSISTENTLY.

D) WHEN YOU FIRST SWITCH ON THE BE-STATION THE LEDS WILL LIGHT UP IN A SWEEPING PATTERN FIRST FROM RIGHT TO LEFT IN GREEN AND THEN BACK AGAIN IN RED. THIS IS NORMAL.
IF THE LEDS RUN THROUGH THIS SEQUENCE TWICE, IN OTHER WORDS YOU SEE EACH LED LIGHT UP FOUR TIMES IN TOTAL, THEN THE INTERNAL BACK-UP BATTERY IS EITHER MISSING OR DEAD. IF THIS IS THE CASE THEN CONTACT YOUR DISTRIBUTER FOR HELP OR EMAIL US ON INFO@BE-STATION.EU.

E) THE BE-STATION WILL CONVERT BETWEEN ANY TWO OF THE PROTOCOLS LISTED ON THE FRONT OF THE BOX.
FOR BE-MIX IN ETHERNET MODE THE BOX SHOULD SHOW A GREEN LIGHT NEXT TO "ETHERNET" AND ALSO "MIDI".

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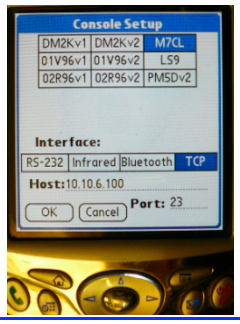
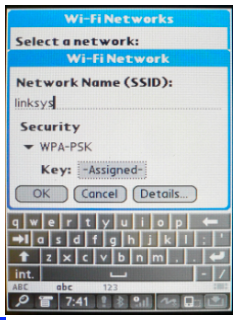
If this is not the case press and hold one of the "select" buttons – this will step through the available choices by moving one of the green leds.
When the moving green led shows the choice you want, let go of the "select" button and this protocol will be selected.
Repeat this process with the other "select" button if necessary until you have succeeded in lighting up both "ethernet" and also "midi"

If the be-station is turned "off" , the next time it is turned on it will remember the choices you have made with the "select" buttons.

g) later when you are using your PDA or smartphone with be-mix, and have successfully connected to the be-station, the green led will turn amber in the "ethernet" section to show that you have a link between the wireless access point and the be-station.

H) set your wireless access point to 'wap' mode and not 'repeater' mode – consult the product manual which came with your wireless access point to see how this is selected.
Configure the W.A.P. to ip address 10.10.6.20
in be-mix console selection page, choose your console and specify 'TCP' as the connection type. Make sure the 'host' is set to 10.10.6.100 (this is the default static ip address of a be-station), and also that the port is set to '23'





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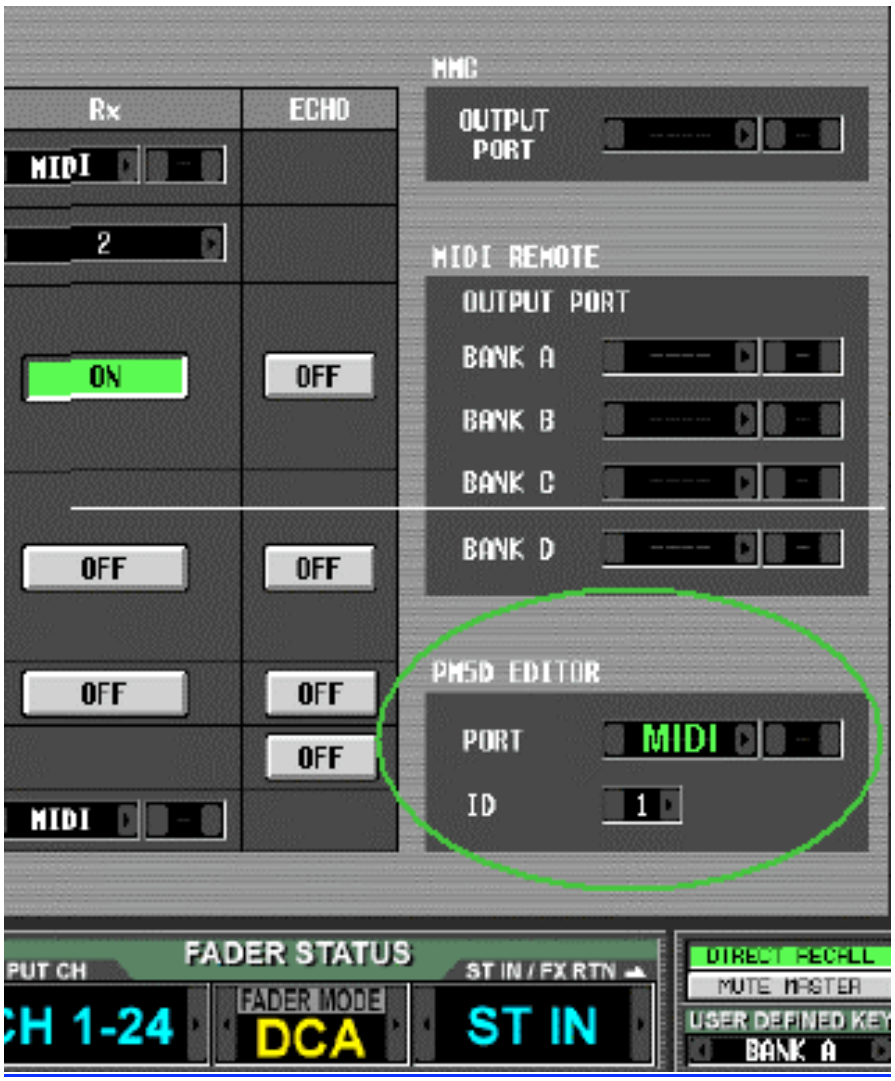
4. Console set-up

a) PM5D

see the screenshot below. Select these settings via the midi / remote key on the right hand side of the desk.



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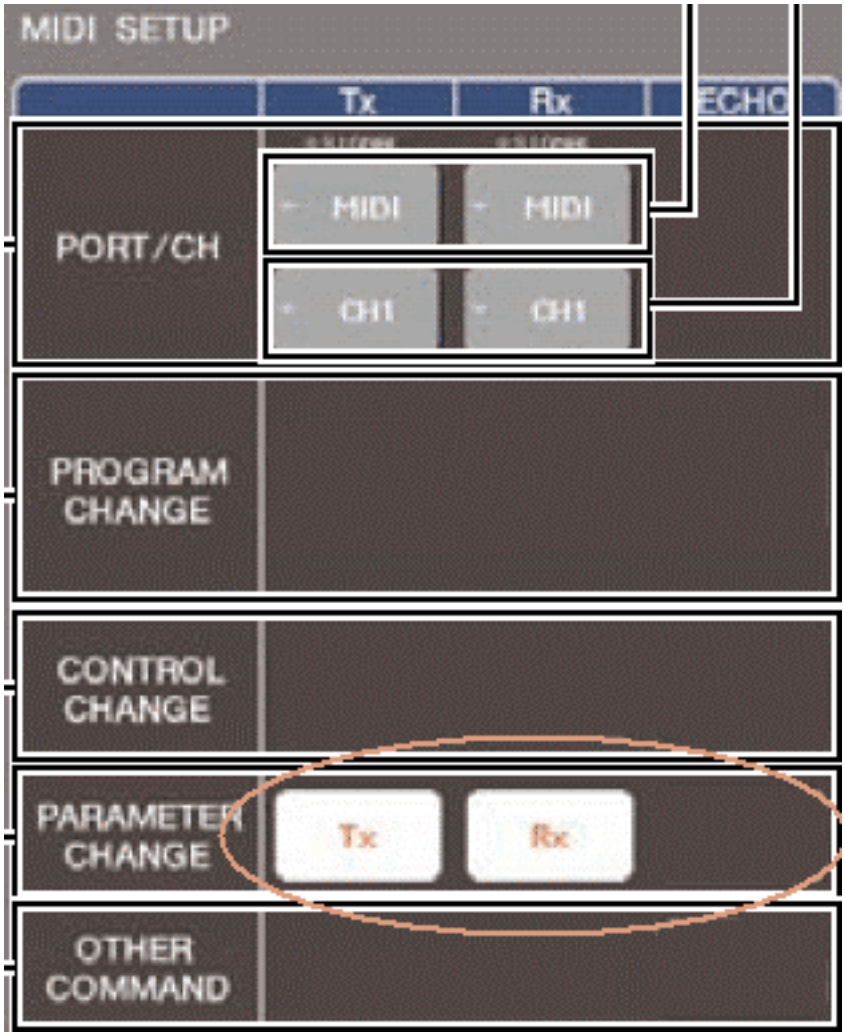
B) M7CL

SEE THE SCREENSHOT BELOW. SELECT THESE SETTINGS VIA "SETUP" (BOTTOM RIGHT OF TOUCH SCREEN) THEN "MIDI"



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c) LS9

SEE THE SCREENSHOT BELOW. SELECT THESE SETTINGS VIA "MISC SETUP" THEN "MIDI"

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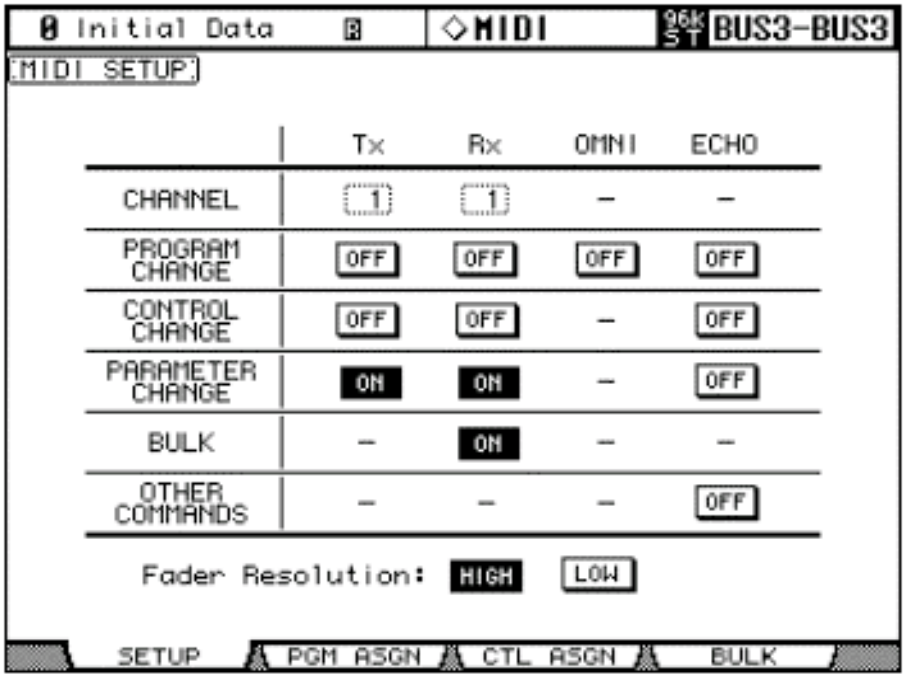
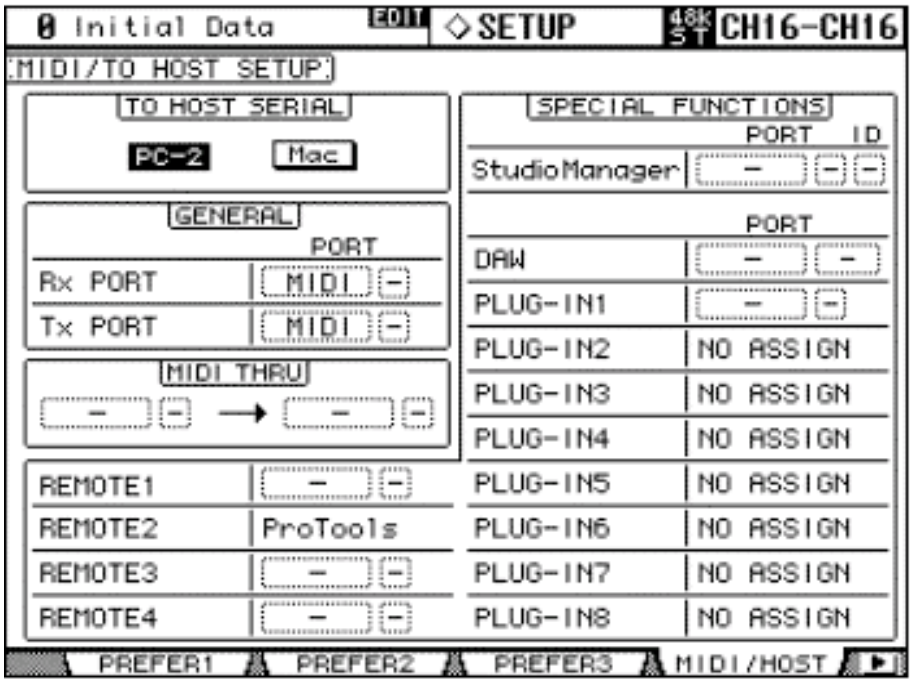
D) DM2000 VERSION 2 / 01V96 / 02R96





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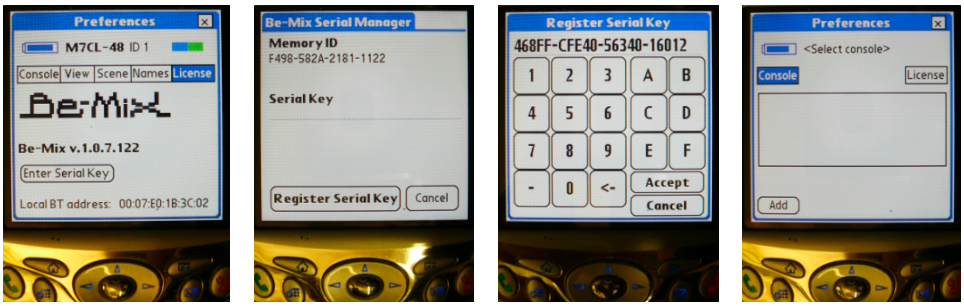
5.) Be-Mix Software set-up

a) Serial Key

To use be-mix software you need three things: a copy of the software, an SD card and a serial key (which is a hex code).

When you pay for a copy of the software you are given a serial key code which is specific to the SD card's unique memory id.



If you are reading this then you already have purchased a copy of the software on an SD card (with the serial key already configured), so you are ready to go.

You should remember that the SD card acts as a 'dongle' which means that even though the palm device runs the software from internal memory within the handheld, it still needs to see the SD card in the slot to allow the program to run.

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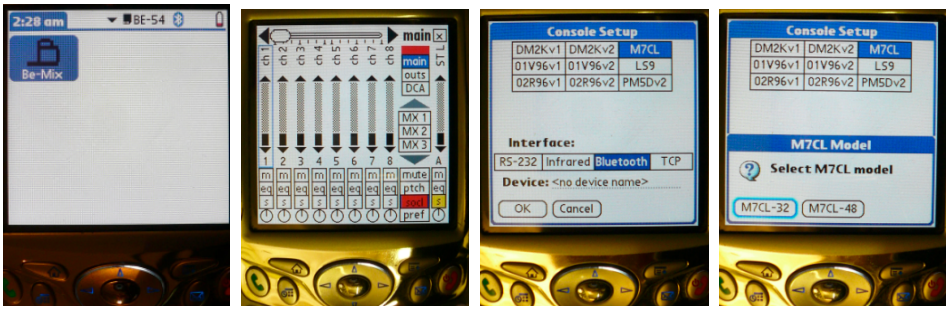
B) START THE SOFTWARE

TAKE THE SD CARD AND INSERT IT INTO THE SD SLOT ON THE HANDHELD DEVICE

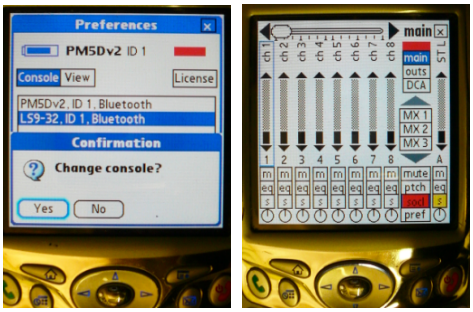
THE PDA OR SMARTPHONE SHOULD THEN SHOW YOU A BE-MIX ICON WHICH YOU SHOULD TAP. YOU WILL NOW SEE THE MAIN SCREEN OF BE-MIX.

TAP THE BOTTOM RIGHT ICON “PREF”



THEN TAP “CONSOLE”. SELECT THE CONSOLE YOU WISH TO CONNECT TO E.G. “M7CL” AND IF NECESSARY CONFIRM EXACT MODEL E.G. 32 OR 48 CHANNEL. MAKE SURE THAT “BLUETOOTH” IS SELECTED AS CONNECTION TYPE.

IF CHANGING FROM ONE CONSOLE TYPE TO ANOTHER, HIGHLIGHT THE CONSOLE YOU WANT TO USE AND CONFIRM THIS CHOICE. ONCE YOU HAVE SELECTED YOUR CONSOLE YOU ARE NOW READY TO CONNECT TO THE CONSOLE VIA THE BE-STATION.



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6.) CONNECT TO THE CONSOLE VIA THE BE-STATION

A) MAKE SURE THE CONSOLE IS TURNED ON, AND THE MIDI SETTINGS ARE CORRECT. (SEE SECTION 4)

B) MAKE SURE THE MIDI CABLES ARE CONNECTED CORRECTLY BETWEEN THE BE-STATION AND CONSOLE- 'IN TO OUT' AND 'OUT TO IN'

C) MAKE SURE THE BE-STATION IS TURNED ON AND THAT BOTH 'MIDI' AND 'ETHERNET' OPTIONS ARE SELECTED WITH A READY-TO-GO GREEN LIGHT NEXT TO THEM.

D) START THE SOFTWARE AND CHECK THAT THE CONSOLE TYPE IN 'PREF' – 'CONSOLE' MATCHES THE CONSOLE YOU ARE CONNECTED TO.

E) TAP THE SOLID RED BAR IN THE TOP RIGHT HAND CORNER OF THE MAIN BE-MIX SCREEN. IT WILL GO LIGHT RED TO INDICATE IT IS ATTEMPTING TO CONNECT TO THE BE-STATION. IF YOUR PDA HAS NOT ALREADY CONNECTED TO THE WIRELESS ACCESS POINT THEN PU MAY WELL SEE THE PDA SHOWING THAT IT IS CONNECTING TO 'LINKSYS' OR WHATEVER THE SSID OF THE W.A.P. IS.

BE-MIX WILL THEN CONNECT WITH THE BE-STATION, THIS SHOULD HAPPEN QUICKLY. THE BE-STATION ETHERNET GREEN LED WILL TURN AMBER ONCE THE HANDHELD DEVICE HAS CONNECTED TO THE BE-STATION.

THE RED BAR IN THE TOP RIGHT CORNER OF THE MAIN BE-MIX SCREEN SHOULD NOW TURN HALF-BLACK (TO INDICATE WIFI LOCK) AND HALF-GREEN TO INDICATE THAT YOU ARE NOW ONLINE TO THE DESK.

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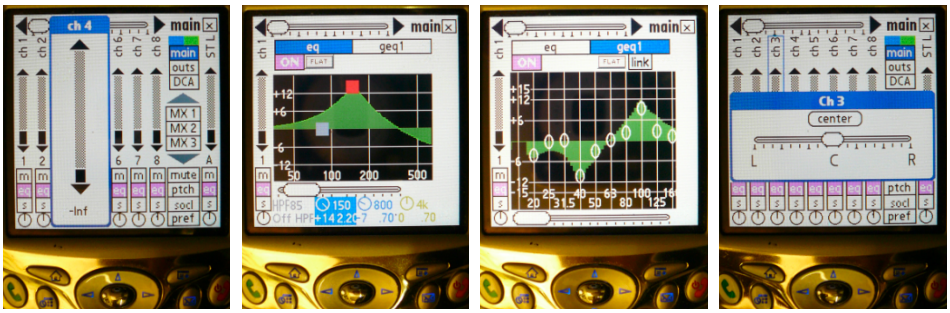
7.) Be-Mix features – quick guide

- A: 'Main' - Input page

  See screenshots below; main input faders, click 'eq' to access input channel peq, if there is a graphic eq inserted on that channel, then the right-hand tab allows access to the geq, pan is accessed through the pan knobs at the bottom of the screen.
  Channels can be solo'd and muted. Be-Mix follows the solo mode already selected within the console.



- B: 'Outs' - Output Page

  See screenshots below; Main output faders, click 'eq' to access output channel peq, if there is a graphic eq inserted on that output, then the right-hand tab allows access to the geq

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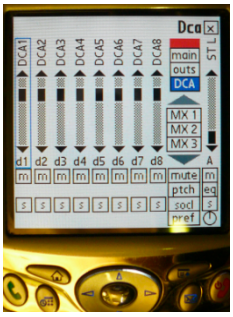
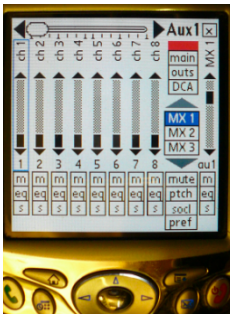
- C: 'DCA' – DCA Page

  See screenshot below ; access to the DCA faders:

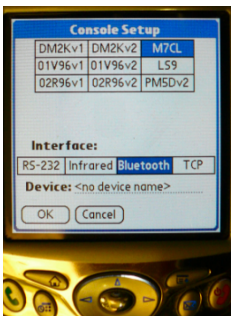


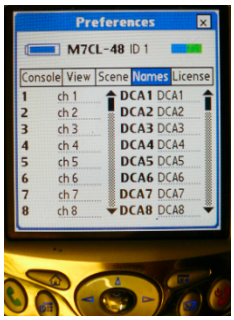
- D: Sends On Fader Mode;

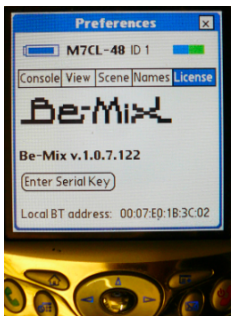
  See screenshot below ; Access to the Mix Busses via 'sends on fader' or 'fader flip' modes.



- E: 'Pref' section:
  See screenshots below ; Console choice and selection,
  view = deselect to simplify controls available,
  Scene = not implemented yet,
  License = software and PDA Bluetooth info







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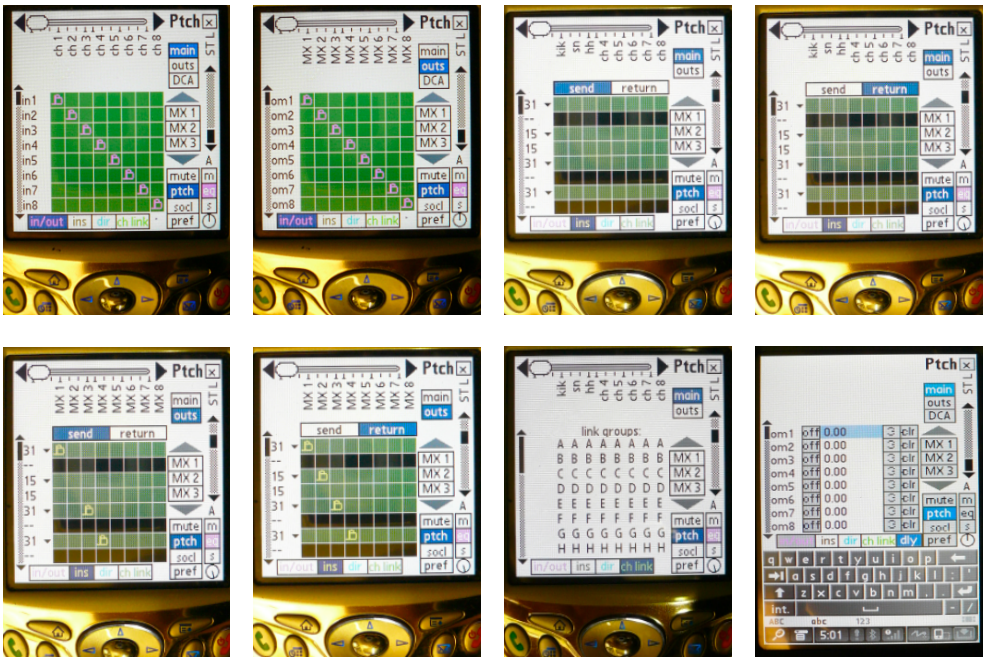
- 'PATCH' SECTION :

  SEE SCREENSHOTS BELOW ; INPUT PATCH, OUTPUT PATCH,
  INSERT ON INPUTS, INSERT ON OUTPUTS,
  DIRECT OUT, CHANNEL LINK SECTIONS,
  SOON TO COME = OUTPUT DELAYS



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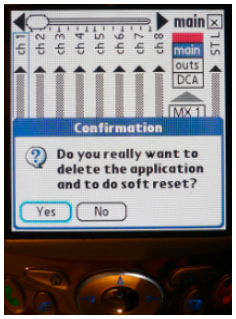
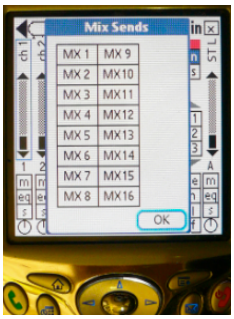
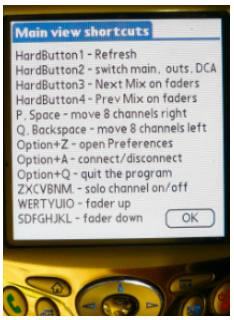
- F: Palm 'Pull Down Menu'

  Depending on the specific device this can either be a hard or soft key , with a symbol like this:

  Use this menu to access 'uninstall' for upgrading be-mix, 'quickmixaccess' for going straight to a specific sends on fader screen, and 'help' for real keyboard shortcuts info;

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8) TROUBLESHOOTING – Ethernet / Wifi MODE

- Unable to connect to be-station

  a) check unit is powered up and has green lights next to Ethernet and midi leds before you attempt to connect.

  b) check your pda has Wifi switched on and has sufficient battery to power it's Wifi functions

  c) check that the Ethernet cable is a standard patch cable and not a crossover cable.

  d) look at the be-mix screen – top right is the connections 'bar' - if half of this is black (see section 6-e) then you are actually successfully connected to the be-station via Ethernet, and your problem may lie elsewhere.

- Can connect to be-station with ethernet but can't get online to the console

  a) check you have two midi cables connected to the midi ports. Be-station 'in' to console 'out' and vice versa

  b) check that you have selected the correct console type in be-mix via 'pref', 'console' (see section 5b). If necessary 'add' your console type and then highlight it before returning to the main page to try again. If you have selected the wrong console type, it is possible that be-mix may appear to work, although erratically and with errors.

  c) check that the midi settings within the console are correct for use with be-mix / be-station (see section 4). If you have incorrect settings it is possible that be-mix may not work, or may work erratically and with errors.

  d) check that the 'be-sniffer' switch on the front panel of be-station is in the 'off' position. This is an advanced function which has not yet been fully implemented. Always operate the be-station with this switch in the 'off' position.

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9) Frequently Asked Questions

- Q : What happens when I walk out of Wifi range while using be-mix?
  A: Once you are out of range, any actions you make on the PDA will not affect the console, and there is no buffer within the PDA so no actions will be 'accumulated'. It is exactly like unplugging the midi cable from the back of the console, no further changes are made.
  When you first lose Wifi connection, be-mix may appear to freeze for a short time. This is because it is attempting to re-establish the link for you. If you only lose connection for a very short time, it may well be able to reconnect you automatically.
  If this does not happen, be-mix will give you a message saying something like 'console unreachable'. To connect to the console again, you need to go through the connection procedure again by clicking the red bar top right of the main be-mix screen.

- Q: If a new version of be-mix is released do I have to pay for it, or can I upgrade free?
  A: Standard be-mix upgrades will always be free, and your serial key will allow you to access the new version of software which will be available from www.be-mix.com

- Q: Is there some way to do a 'factory reset' on the be-station?
  A: Yes, although when you do this you will lose any settings you have made inside the be-station with the 'be-configurator' program.
  To do a factory reset, turn the be-station off. Press and hold both 'select' buttons on the front panel and turn the be-station back on.
  The led's will begin sweeping from right to left. You can let go of the select buttons now.
  Once the led's have finished sweeping the be-station will select 'bluetooth' and 'midi' by default and be 'out of the factory' configured once again.

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- Q: How do I upgrade the be-mix software on my palm device?
  A: follow this procedure: first run be-mix and press the 'palm pull down menu' – see section 7F.

  then choose 'uninstall' and say 'yes' to delete application and do soft restart.

  Say 'no' to the question 'delete serial key?'

  say 'no to the question 'delete application settings?'.

  The palm device will then do a soft reset.

  Use a card reader to delete the old 'be-mix.prc' file which can be found in palm/launcher folder on the sd card. Now copy the new file into the same location, put the sd card back into the palm pda and run be-mix.

  Once the software is running choose 'pref' then 'license' and check that the version number matches the new download.

  see screenshots on the next page:

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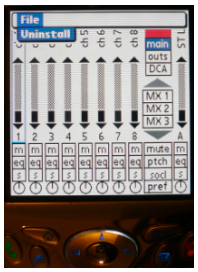
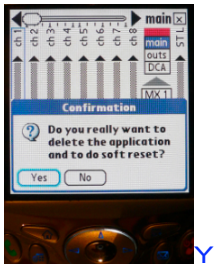
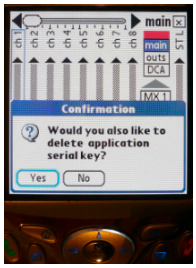
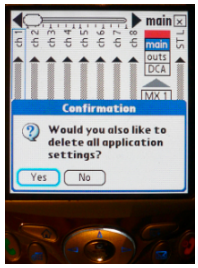




YES



NO



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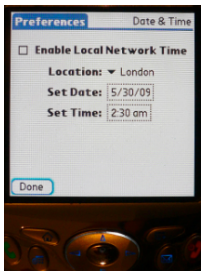

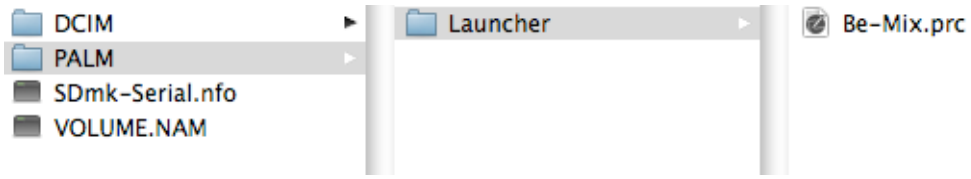

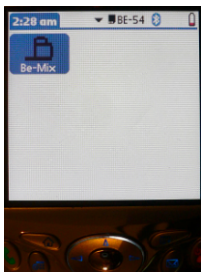

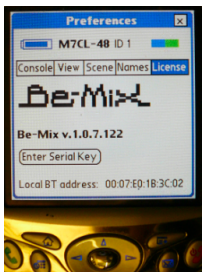

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BE-STATION - BE-MIX - ETHERNET / WIFI MODE

Q: Be-Mix is asking me to enter my serial key and I do not have a record of it, how do I find out what it is?
A: if you bought a be-station with a serial number beginning with "be-st-eu" then send an email to info@be-station.eu telling us what the sd card id is – it will be something like "Be-54". It is written on the sd card and also is the 'name' of the sd card when you read it from a pc or mac.
we will send you an email back with the serial key you need to enter in the software license page of be-mix.

Q: how many pdas can change parameters on the console at the same time.
A: currently the limit is Fifteen wifi pdas as well as an operator who can make changes on the console itself.

Q: be-mix is written for palm devices, can I use anything else to run it?
A: at the moment the software only runs on palm devices but in the very near future a version written in windows xp will be available which will mean that this can be ported to a windows mobile device, meaning that you may not need to buy a palm device to run the software. The device must support Bluetooth to connect to the be-station when in Bluetooth mode, or wifi if you are using the be-station Ethernet port and a wireless access point. Check for news on this at either www.bemix.com or www.be-station.eu

Q: I need advice on how to use be-mix, where can I get this from?
A: first port of call is to contact the dealer who sold the device to you.
It is also always worth checking the help files and demo videos which are available as downloads from www.be-station.eu