



# Connecting

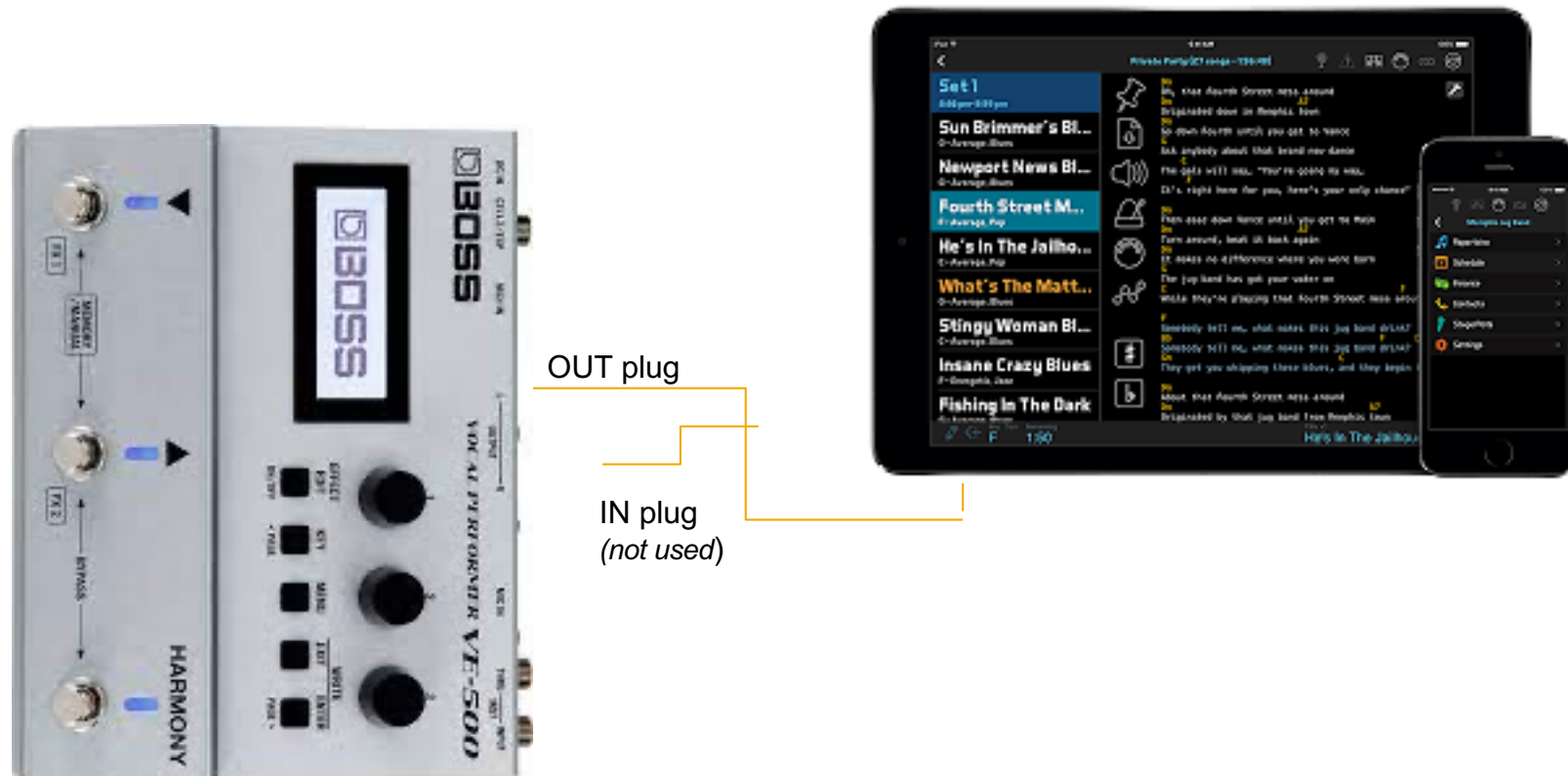
# MIDI

# Setup for Bandhelper to control VE-500 presets

*e.g. You will Select a song on a set list on your Ipad Pro, send a midi command to the VE-500 to set the desired preset automatically.*

I used a USB to midi cable purchased from Amazon:

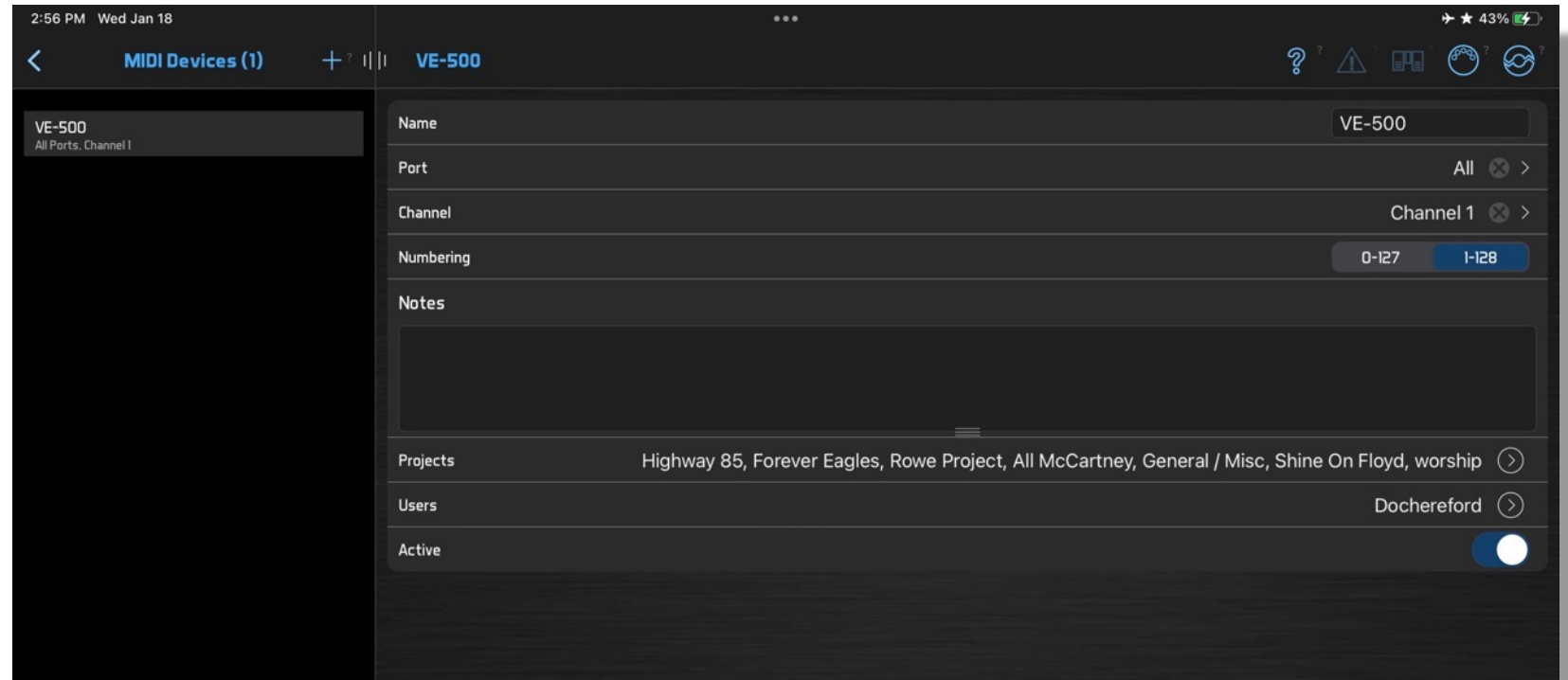
[https://www.amazon.com/Adapter-Fasgear-Keyboard-Interface-Converter/dp/B08J6XVWFN/ref=sr\\_1\\_11?crid=25HENXFYWELKU&keywords=usb+to+midi&qid=1674077457&s=industrial&sprefix=usb+to+midi%2Cindustrial%2C136&sr=1-11](https://www.amazon.com/Adapter-Fasgear-Keyboard-Interface-Converter/dp/B08J6XVWFN/ref=sr_1_11?crid=25HENXFYWELKU&keywords=usb+to+midi&qid=1674077457&s=industrial&sprefix=usb+to+midi%2Cindustrial%2C136&sr=1-11)



Follow these steps in BH:

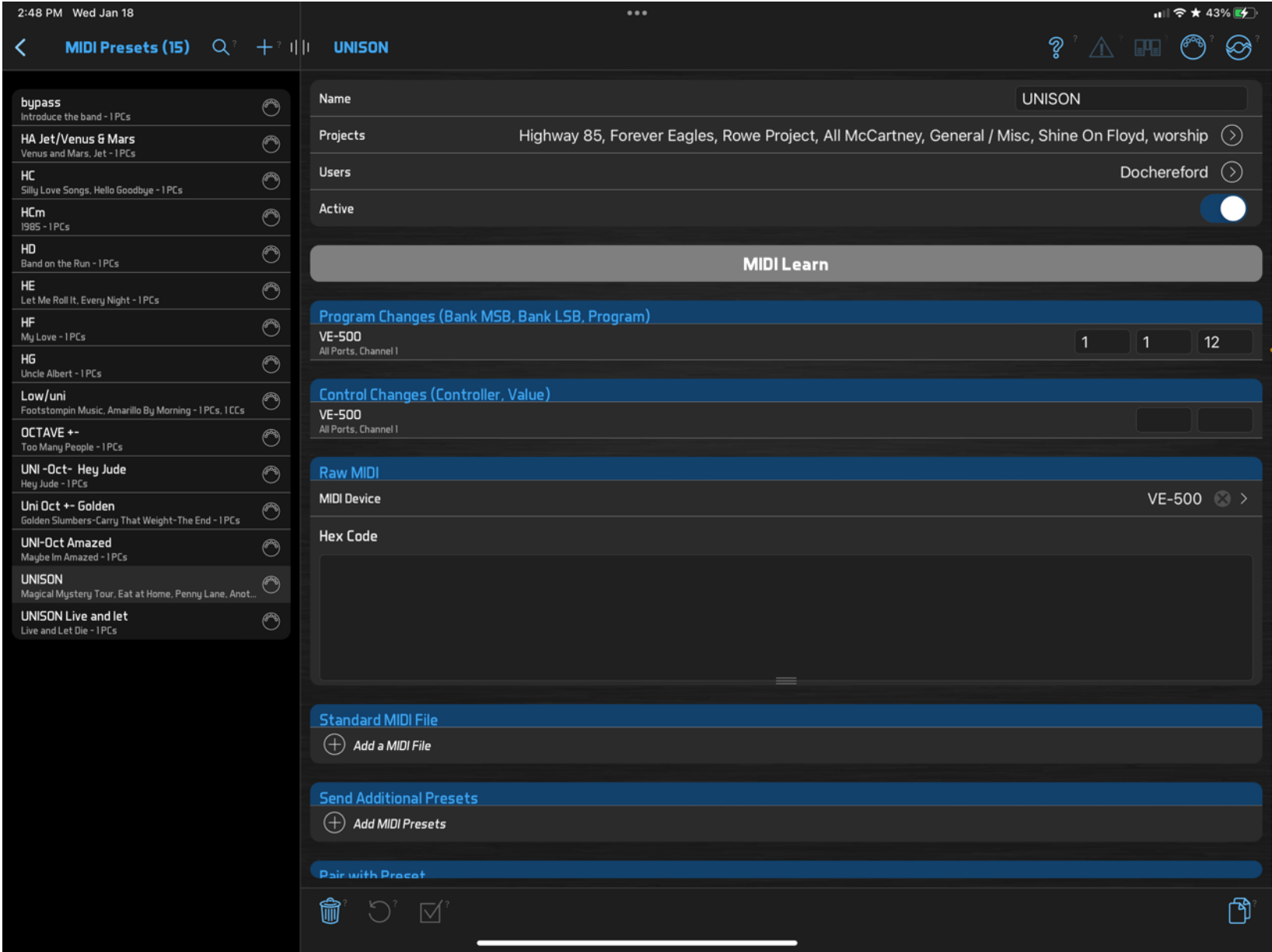
- BH General Settings – Audio & Midi – Send MIDI Presets together  
、  
- Appearance – Top Tool Bar Buttons – Midi
- Repertoire - Midi **Device** – Create +

Name it anything you  
want



• Create Midi Presets

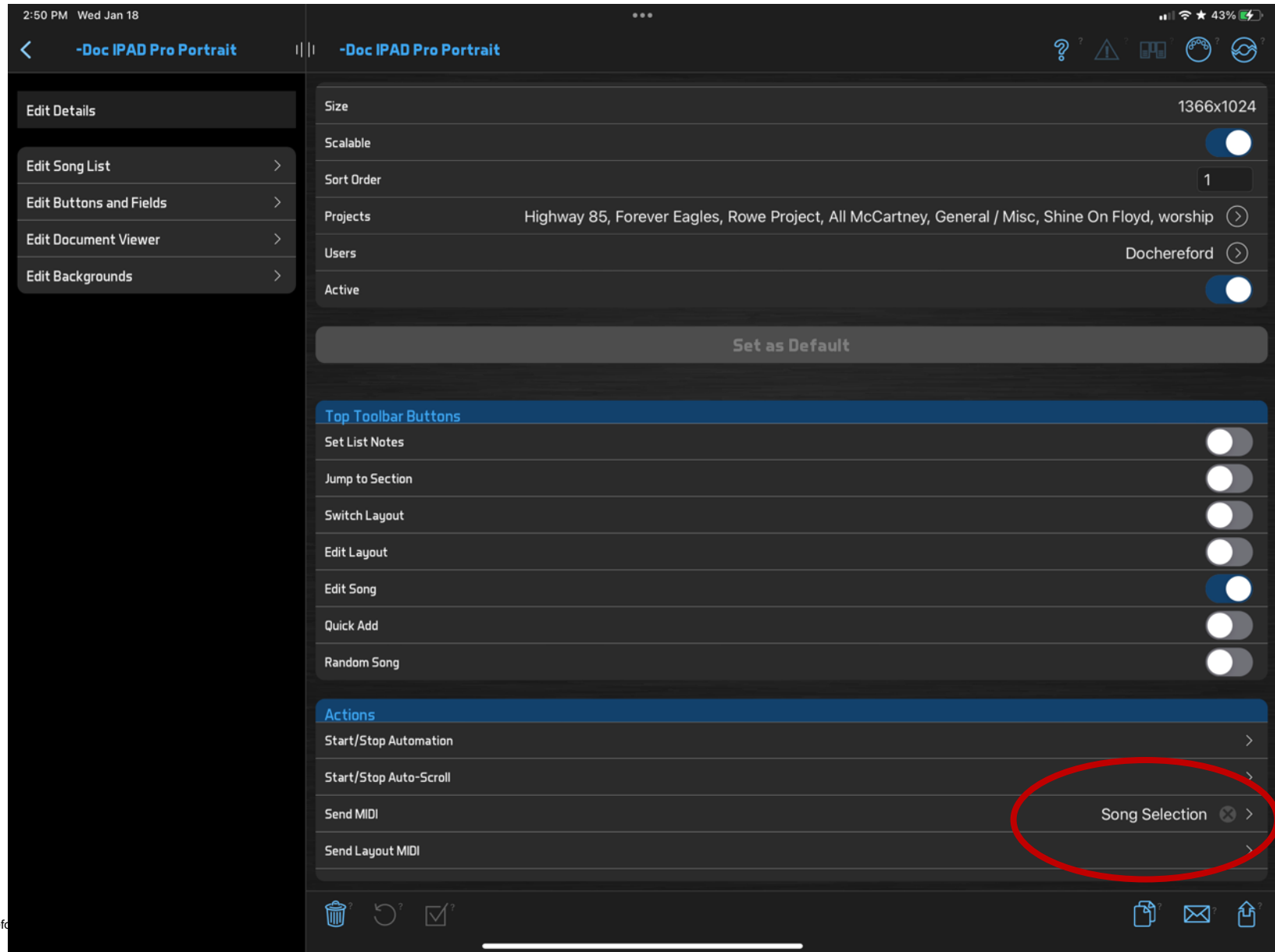
Name it  
anything  
you want



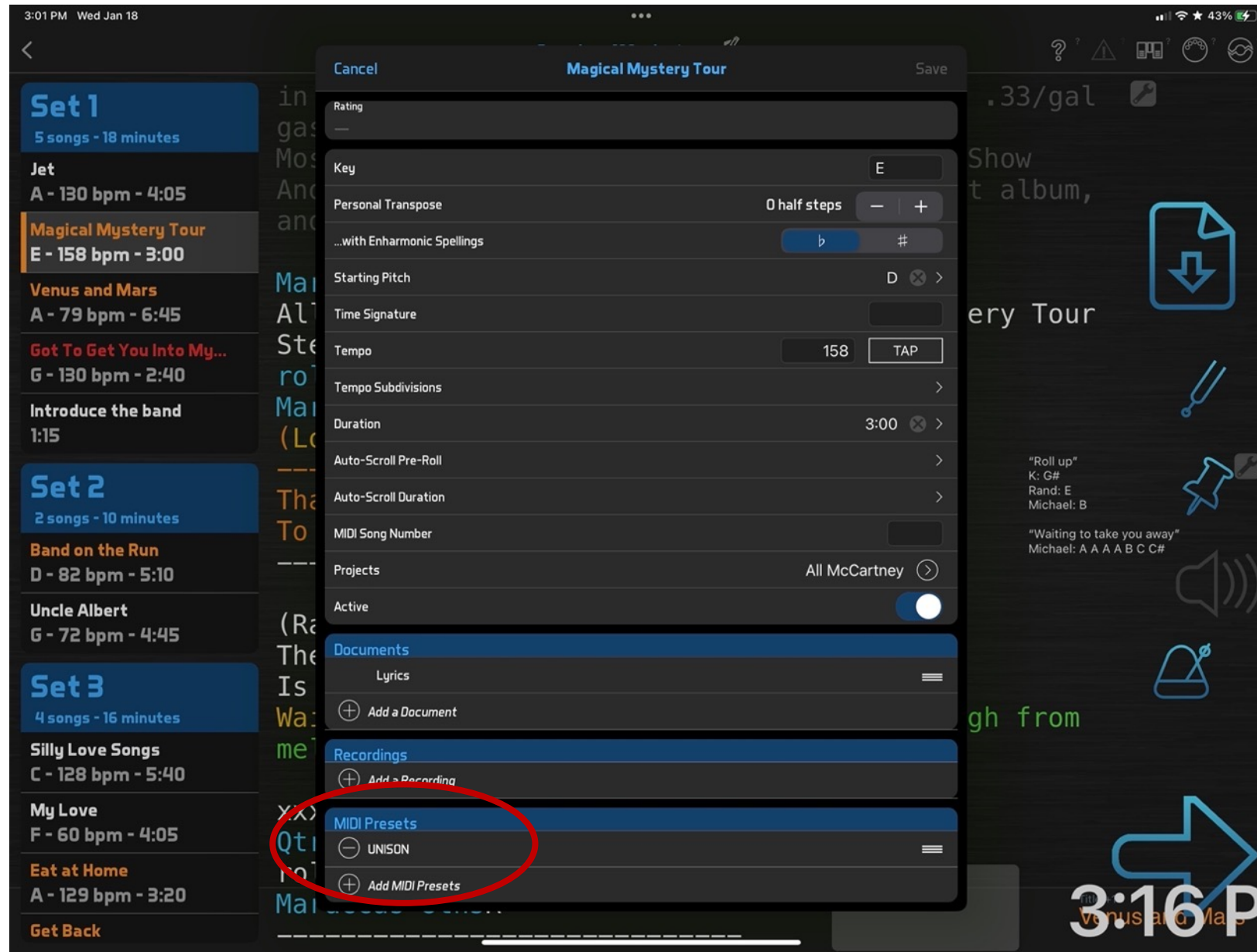
MIDI Preset name:  
UNISON

Preset U012 on  
VE500

- Edit **Layout Details** to Send MIDI on **Selection**



- Edit **Song Details** to use MIDI Preset



- Now select the song in a set list. It should change the preset on the VE500 to what you defined.
- If it doesn't restart BH
- **Select the MIDI icon at the top of the screen and check the MIDI log:**

The screenshot shows a music software interface with a set list on the left and a MIDI status window in the center. The set list includes three sets of songs with their respective bpm and durations. The MIDI status window shows a green bar indicating 'MIDI Running' and a list of connected ports. A red circle highlights the 'Activity Log' section, which contains a list of MIDI events. The background shows a song titled 'Stuck inside these four walls' with a tempo of 79bpm and a key signature of 8b.

**Set 1**  
5 songs - 18 minutes

- Jet  
A - 130 bpm - 4:05
- Magical Mystery Tour  
E - 158 bpm - 3:00
- Venus and Mars  
A - 79 bpm - 6:45
- Got To Get You Into My...  
G - 130 bpm - 2:40
- Introduce the band  
1:15

**Set 2**  
2 songs - 10 minutes

- Band on the Run  
D - 82 bpm - 5:10
- Uncle Albert  
G - 72 bpm - 4:45

**Set 3**  
4 songs - 16 minutes

- Silly Love Songs  
C - 128 bpm - 5:40
- My Love  
F - 60 bpm - 4:05
- Eat at Home  
A - 129 bpm - 3:20
- Get Back

**MIDI Status** Done

**MIDI Running**

**Connected Ports**

- Doc Widi Bluetooth (input)
- Doc Widi Bluetooth (output)
- Network Session 1 (input)
- Network Session 1 (output)

**Activity Log**

- 15:10:44.637 - MIDI started
- 15:10:44.637 - added port BandHelper for output
- 15:10:44.637 - added port BandHelper for input
- 15:10:44.637 - added port Network Session 1 for input
- 15:10:44.637 - added port Doc Widi Bluetooth for input
- 15:10:44.637 - added port Network Session 1 for output
- 15:10:44.637 - added port Doc Widi Bluetooth for output
- 15:10:44.637 - sending data [B0, 00, 00, B0, 20, 00, C0, 07] to all ports

**Stuck inside these four walls**  
79bpm  
8b -

**Well, the rain exploded with a mighty crash**  
As we fell into the sun  
And the first one said to the second one there

**3:20 P**



# Get rid of your MIDI Cables!

Configuring a Bluetooth connection with a  
WIDI Device



Now do the same thing with WIDI Bluetooth and get rid of the cable. Amazon order:

## **WIDI Jack**

[https://www.amazon.com/dp/B08VWTVZLR?psc=1&ref=ppx\\_yo2ov\\_dt\\_b\\_product\\_details](https://www.amazon.com/dp/B08VWTVZLR?psc=1&ref=ppx_yo2ov_dt_b_product_details)

## **MIDI DIN-5 Cables**

[https://www.amazon.com/dp/B08ZKTDNWX?ref=ppx\\_yo2ov\\_dt\\_b\\_product\\_details&th=1](https://www.amazon.com/dp/B08ZKTDNWX?ref=ppx_yo2ov_dt_b_product_details&th=1)



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### **MIDI DIN-5 Cables**

[https://www.amazon.com/dp/B08ZKTDNWX?ref=ppx\\_yo2ov\\_dt\\_b\\_product\\_details&th=1](https://www.amazon.com/dp/B08ZKTDNWX?ref=ppx_yo2ov_dt_b_product_details&th=1)

Download WIDI app

Manual available online:

<https://www.cme-pro.com/widi-jack-start-guide-bluetooth-midi/>

Follow the instructions.

Set the A/B switch on the back to **A**

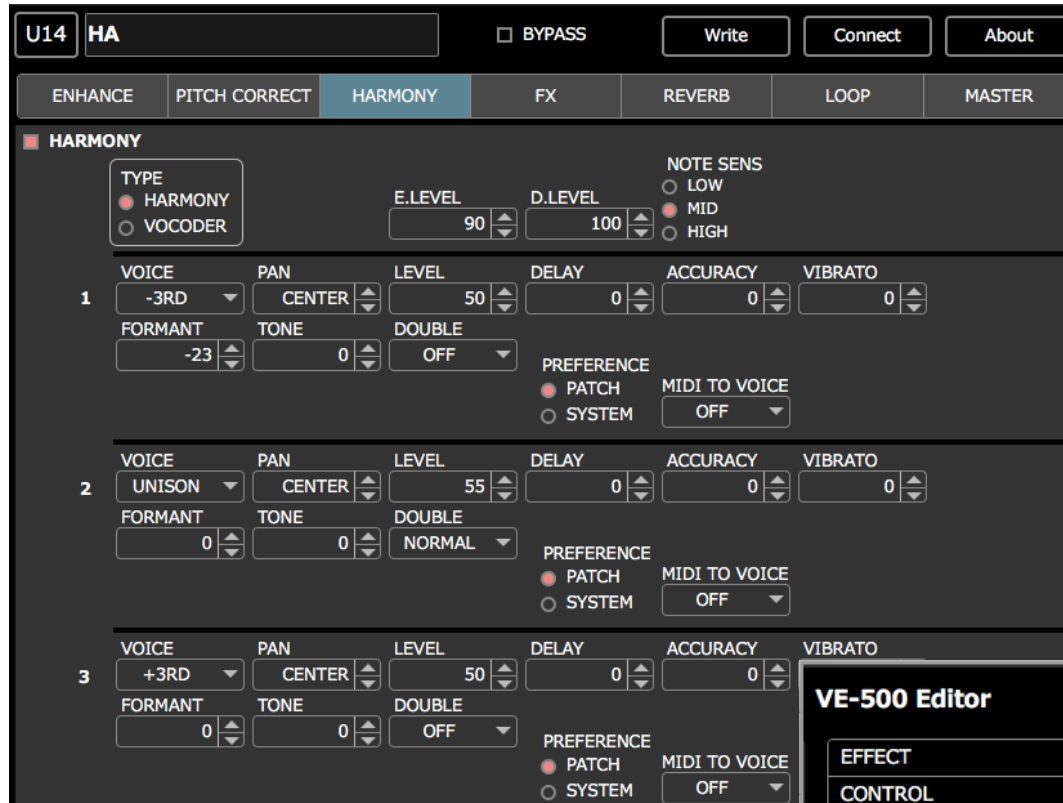
**If it doesn't work restart Bandhelper**



# Now **Change** the Key on your Preset

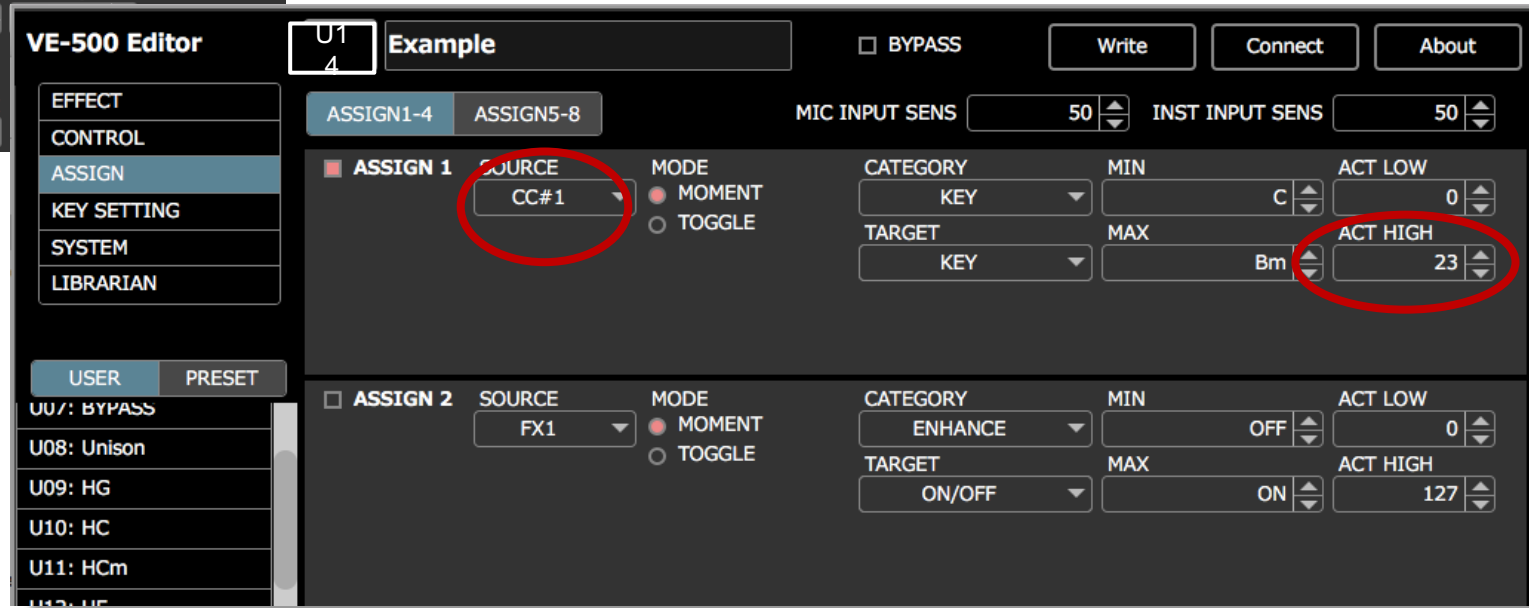
Sending **KEY** information from  
Bandhelper to the VE-500


I created VE-500 preset for a +3<sup>rd</sup> and a -3<sup>rd</sup> Harmony and a Unison doubler.



Then I defined an Assign for the Key Change MIDI action.

*(This is referred to as a Control Change or CC for short in MIDI terms.)*



All McCartney ▾

REPERTOIRE | SCHEDULE | CONTACTS | FINANCE | CHECKLISTS | STAGE PLOTS | FILES | PRACTICE LOG

Set Lists | Smart Lists | Layouts | Songs | Documents | Recordings | MIDI Presets | MIDI Devices | Custom Fields | Tags | Set Names | Pause Names

### EDIT MIDI DEVICE

SaveCancel

CopyDelete

◀ PreviousNext ▶

**History**  
*Click previous updates to restore*  
[Port = WIDI Jack Bluetooth](#)  
2023-01-18 21:05:52, dochereford  
[Port =](#)  
2023-01-18 20:48:10, dochereford  
[Projects = Highway 85, All McCartney](#)  
2023-01-18 19:16:23, dochereford  
[Numbering = 1](#)  
2023-01-18 18:58:42, dochereford  
[Channel = 2](#)  
2023-01-18 02:08:26, Rick  
[Channel = 10](#)

Name

VE-500

Port

All ▾

Channel

1 ▾

Numbering

☐ 0-127

☒ 1-128

Notes

☒ Active

Projects

AllNone

☒ Highway 85

☒ Forever Eagles

☒ Rowe Project

☒ All McCartney

Users

AllNone

☐ Andra Percussionist

☒ Dochereford

☐ Eric Keys

☐ Jim Drummer

This keeps numbering one to one with the VE-500  
e.g. 12 in Bandhelper = 12 VE-500  
(versus being one number off, 0=1, 1=2)

**bandhelper**

All McCartney ▾ SETTINGS ACCOUNT LOG OUT

REPERTOIRE SCHEDULE CONTACTS FINANCE CHECKLISTS STAGE PLOTS FILES PRACTICE LOG

Set Lists Smart Lists Layouts Songs Documents Recordings MIDI Presets MIDI Devices Custom Fields Tags Set Names Pause Names

### EDIT MIDI PRESET

Save Cancel

Copy Delete

◀ Previous Next ▶

**History**  
Click previous updates to restore

Name: Harmony key of A

Notes:

Program Changes  
Bank MSB, Bank LSB, Program  
VE-500 (All Ports, Ch. 1)

Control Changes  
Controller, Value  
VE-500 (All Ports, Ch. 1)

Raw MIDI Device  
VE-500 ▾

1 1 14

1 10

### Key Chart

1	C	13	Cm
2	Db	14	Dbm
3	D	15	Dm
4	Eb	16	Ebm
5	E	17	Em
6	F	18	Fm
7	F#	19	F#m
8	G	20	Gm
9	Ab	21	Abm
10	A	22	Am
11	Bb	23	Bbm
12	B	24	Bm

In this example, the 14 represents the User Preset on the VE-500 (U14)

The 10, represents the key desired, in this case, A (see Key Chart)

**bandhelper**

All McCartney ▾ SETTINGS ACCOUNT LOG OUT

REPERTOIRE SCHEDULE CONTACTS FINANCE CHECKLISTS STAGE PLOTS FILES PRACTICE LOG

Set Lists Smart Lists | Layouts Songs Documents Recordings MIDI Presets MIDI Devices Custom Fields Tags Set Names Pause Names

### EDIT SONG

Save Cancel

Copy Delete

Smart copy

◀ Previous Next ▶

#### History

Click previous updates to restore

[MIDI Presets =](#)  
2023-01-18 19:02:59, dochereford

[Midi Song = 1](#)  
2023-01-13 21:48:23, dochereford

[Midi Song =](#)

Title:

Artist:

Status:

Tags:  [New Tag](#)

Color:

Rating:

Key:

Personal Transpose:  ...with ☒ b ☐ #

Starting Pitch:

Personal Pitch (Tabitha):

Time Signature:

Tempo:

Tempo Subdivisions:

Duration:  :

Documents

Lyrics

[+ Add Documents](#)

Recordings

[- Doc - Jet](#)

[+ Add Recording](#)

MIDI Presets

[- Harmony key of A](#)

[+ Add MIDI Presets](#)

Edit a song and Add the MIDI Preset you just created.

Also, as you did in the first part of this guide, check and make sure you've defined your Layout to **Send MIDI** on "Selection"

Sync your Ipad and try selecting the song you just edited. It should select the VE-500 Preset and set its Key.



# *In a nutshell....*

