MIDITRIBE I/O

MIDI IN AND OUT INTERFACE
FOR KORG MONOTRIBE

**PRE-ASSEMBLED, NO SOLDERING,
JUST PLUG AND PLAY!**

MADE IN BRAZIL BY

AMAZING MACHINES

www.amazingmachines.com.br

Owner's Manual • Version 1.0 - February 2012

MIDITRIBE & KORG MONOTRIBE OS 2.0

After the release of the MONOTRIBE OS 2.0 many people came to us asking if their MIDITRIBE will still work with the new OS installed, the answer is yes, any MIDITRIBE Model or Revision will work 100% with the MONOTRIBE OS 2.0 update and there is more, the MONOTRIBE OS 2.0 brings us two incredible new MIDI features:

1 - Velocity Sensitivity for the "Synth Part" (VCA Level)
2 - Control of the "VCA Level" using CC 7 (Volume) or CC 11 (Expression)

Note: For owner's of the MIDITRIBE I/O model, the MONOTRIBE OS 2.0 update is mandatory as the MIDI OUT will not function properly before updating, this is the main reason we haven't released an interface with MIDI OUT functionality before this update came out.

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INTRODUCTION

Thank you, and congratulations on your choice of the Amazing Machines MIDITRIBE I/O - MIDI IN and OUT Interface for KORG MONOTRIBE.

Please note that any modification to any MONOTRIBE will immediately void its warranty.

Amazing Machines will not accept responsibility for any damages, personal loss or injury that may result from the installation of the MIDITRIBE I/O.

MONOTRIBE is a trademark of KORG Inc. Japan, all other trademarks and copyrights are property of their respective owners.

The following pages of this manual provide a step by step installation guide for the MIDITRIBE I/O, as well as a detailed user's guide.

CONTENTS

CHAPTER 1 - MIDITRIBE I/O INSTALLATION GUIDE

WARNING: Any modification to any MONOTRIBE will immediately void its warranty.

If you are not sure what you are doing, ask a technician to do it for you.

Amazing Machines will not accept responsibility for any damages, personal loss or injury that may result from the installation of the MIDITRIBE I/O.

We strongly advise you to read every single page of this chapter before proceed.

Please have a medium size Phillips screw driver at hand before following the steps below.

REMOVE THE FOUR RUBBER FEET

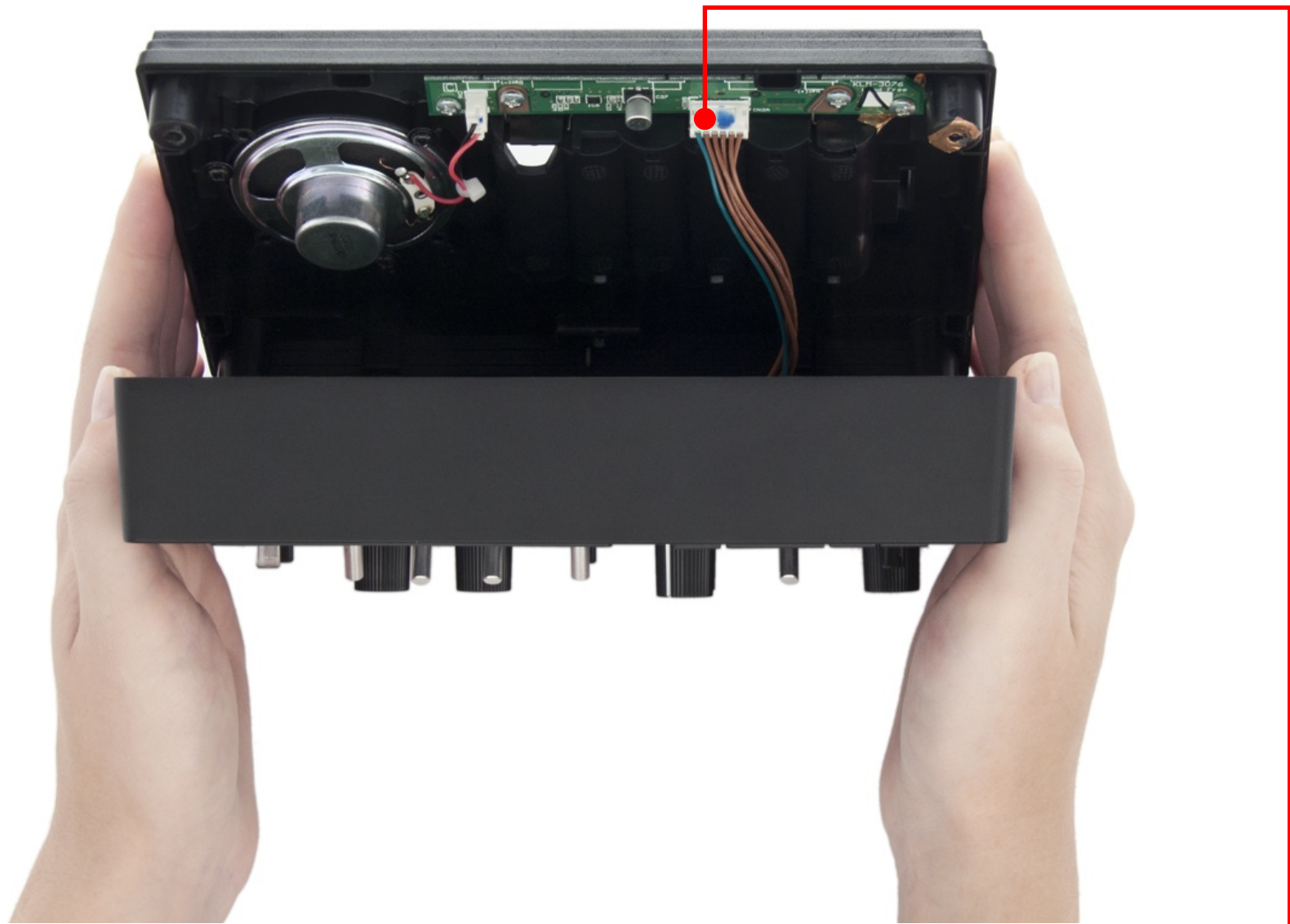1.1 - Gently and slowly remove the four rubber feet and keep it away from dust and dirt

REMOVE THE SCREWS FROM THE CASE

2.1 - Remove the battery cover
2.2 - Remove the batteries
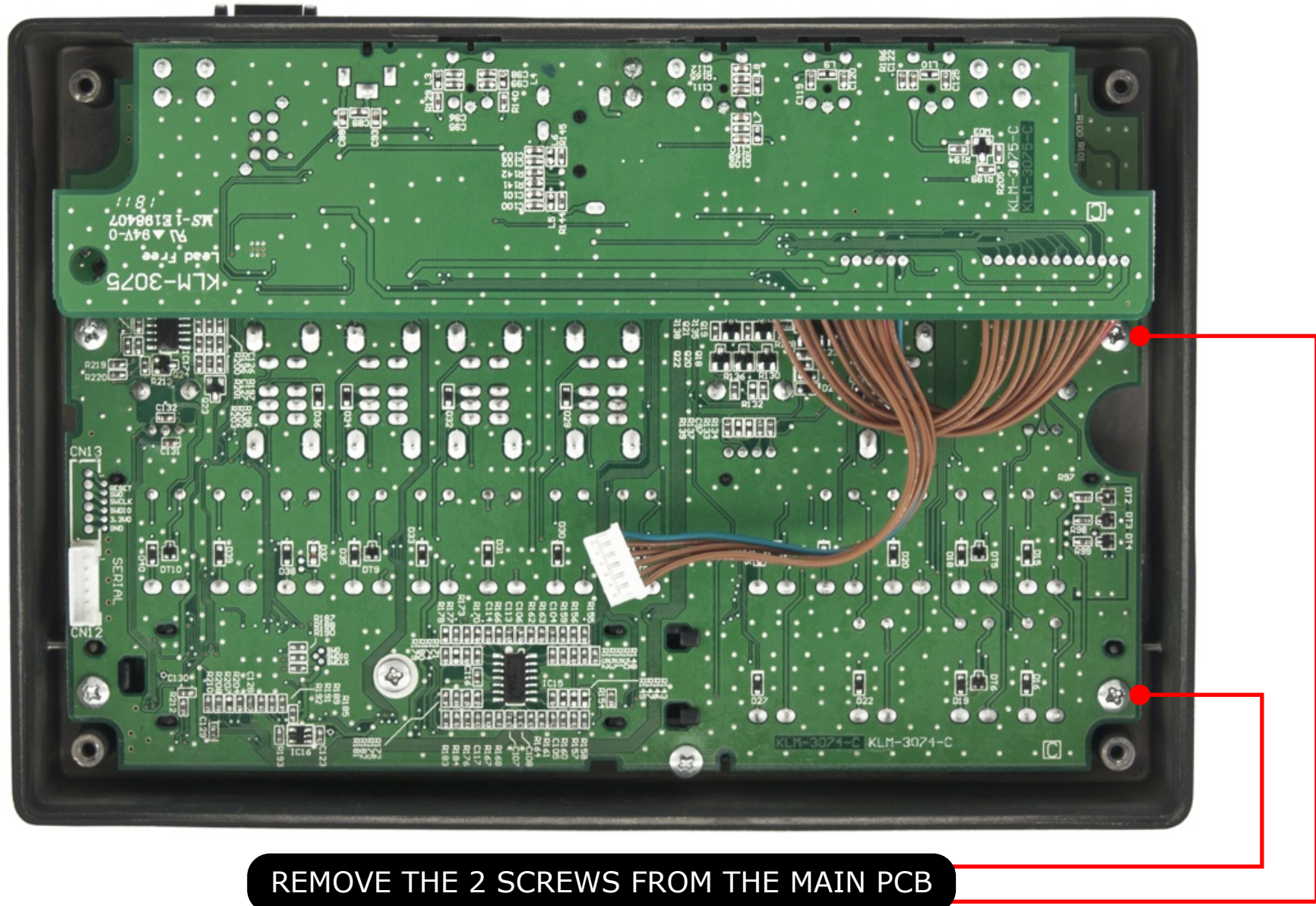2.3 - Using a Phillips screw driver, remove the screws from the case

3

DISCONNECT THE BATTERY POWER AND SPEAKER CABLE

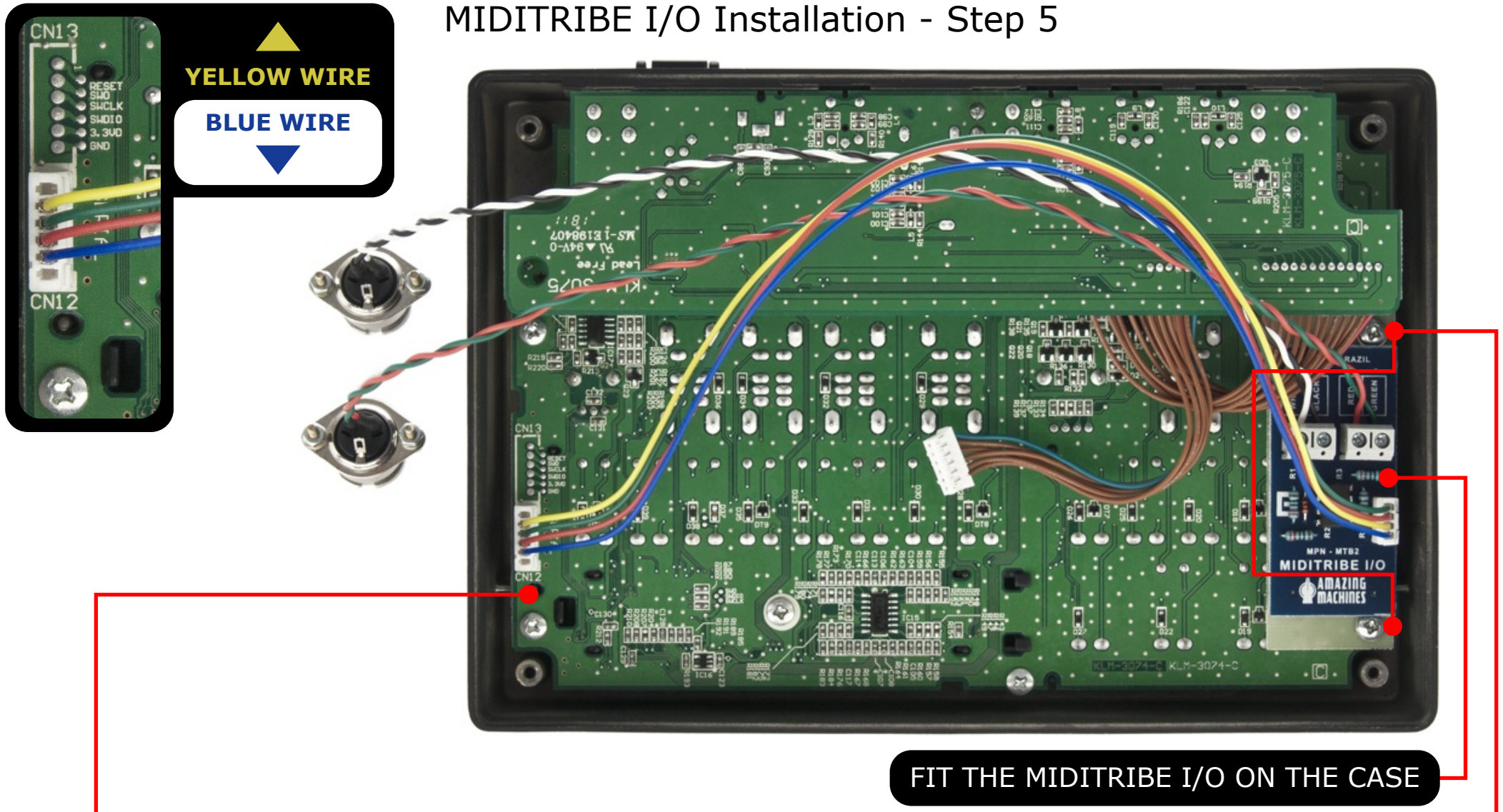3.1 - Carefully open the case and disconnect the battery power and speaker cable (CN2A)

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REMOVE THE 2 SCREWS FROM THE MAIN PCB

4.1 - Using a Phillips screw driver, remove the 2 screws from the main PCB

CN13

YELLOW WIRE ▲

BLUE WIRE ▼

CN12

FIT THE MIDITRIBE I/O ON THE CASE

CONNECT THE MIDITRIBE I/O TO THE SERIAL PORT

PUT THE 2 SCREWS BACK ON THE MAIN PCB
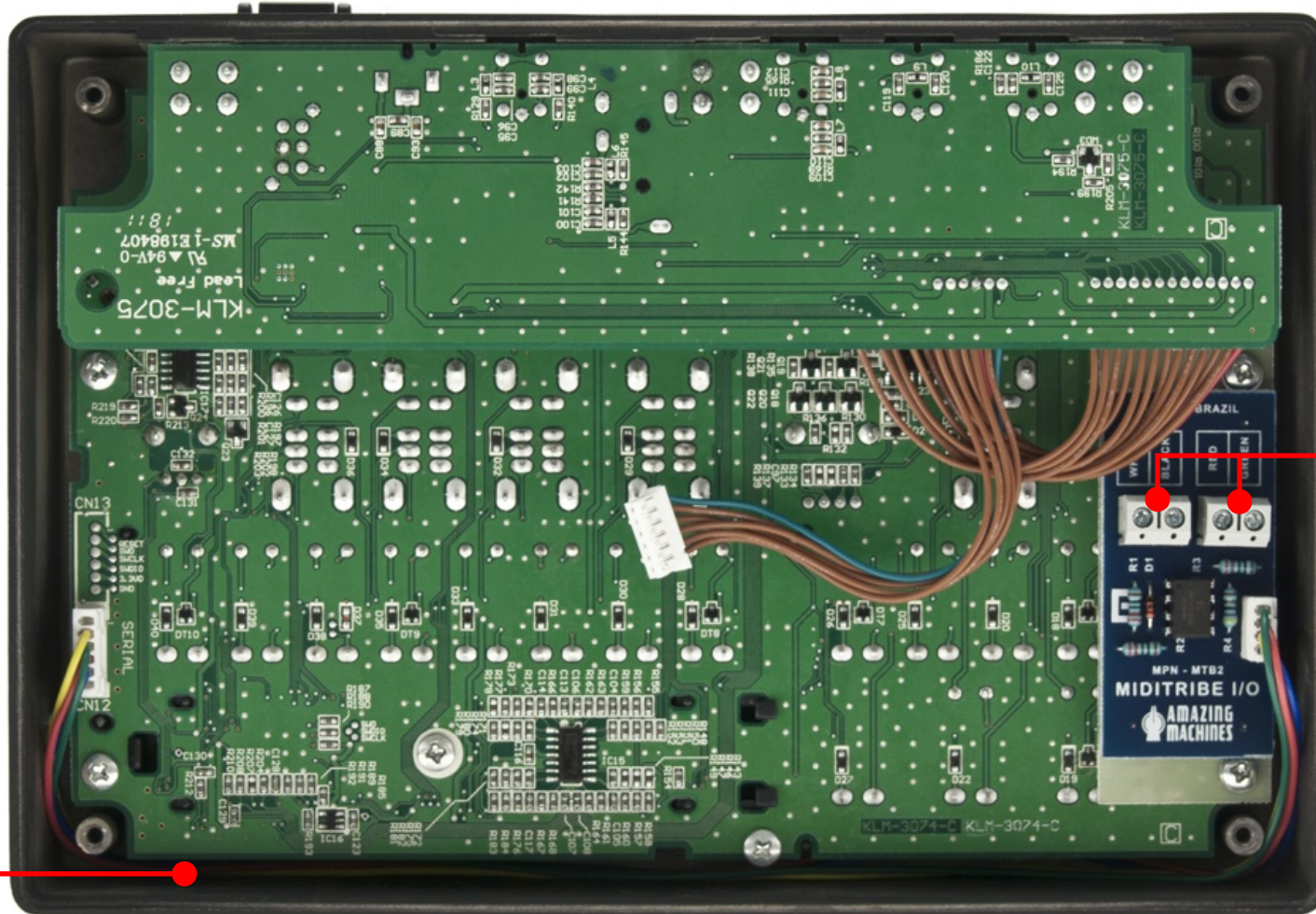
5.1 - Fit the MIDITRIBE I/O on the case

5.2 - Connect the MIDITRIBE I/O's female serial connector to the main PCB male serial connector (CN12), please note that the blue wire is on the bottom side of the main PCB connector, if connected differently it may cause damage to the MONOTRIBE or the MIDITRIBE I/O interface

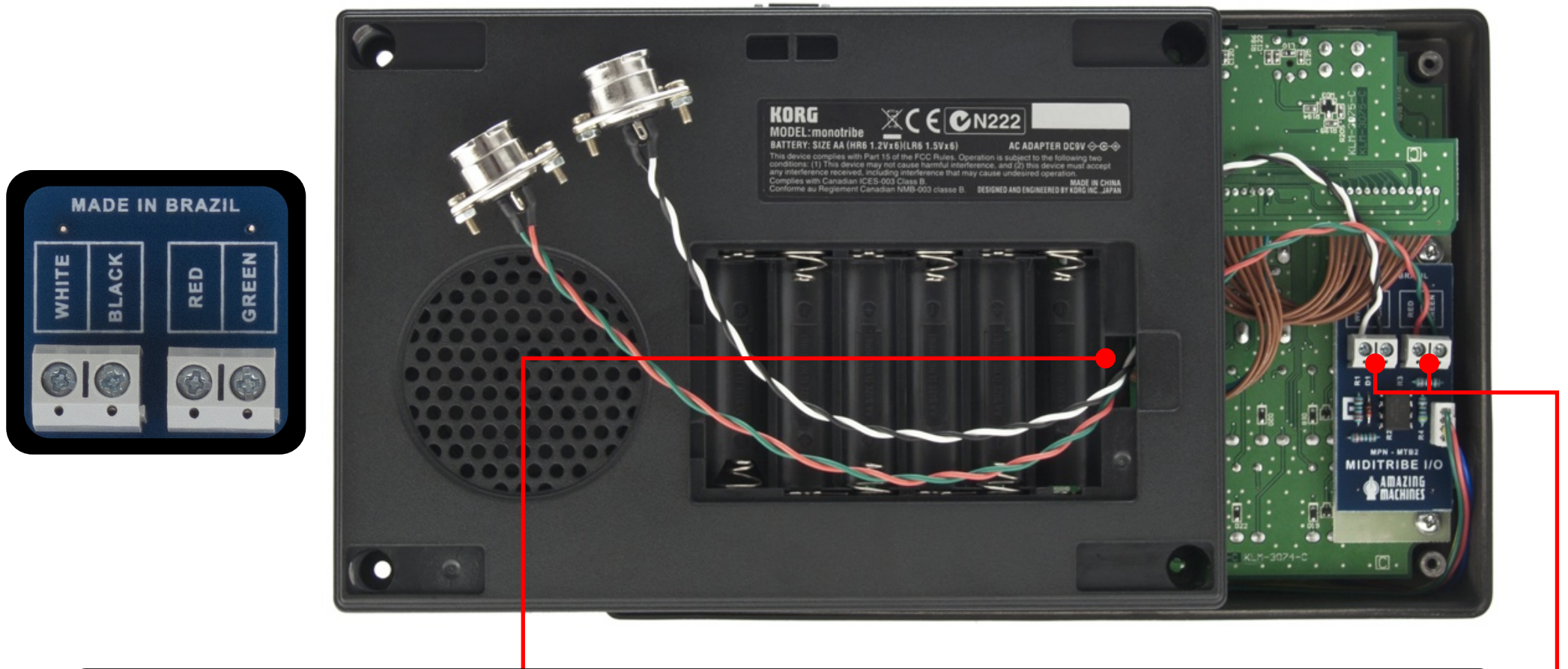5.3 - Using a Phillips screw driver, put the 2 screws back on the main PCB

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REMOVE THE WHITE, BLACK, RED AND GREEN WIRES

FIT THE SERIAL CABLE ON THE BOTTOM SIDE OF THE CASE

6.1 - Using a Phillips screw driver, remove the white, black, red and green wires from the MIDITRIBE I/O
6.2 - Fit the serial cable on the bottom side of the case

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WHITE BLACK RED GREEN

PASS THE WHITE, BLACK, RED AND GREEN WIRES THROUGH THE BATTERY COMPARTMENT HOLE

RECONNECT THE WHITE, BLACK, RED AND GREEN WIRES

7.1 - Pass the white, black, red and green wires from the MIDI connectors through the battery compartment hole

7.2 - Using a Phillips screw driver, reconnect the white, black, red and green wires to the MIDITRIBE I/O, please note that there are labels on the MIDITRIBE I/O's PCB to indicate the correct position, if connected differently it may cause damage to the MONOTRIBE or the MIDITRIBE I/O interface

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GREEN WIRE

RECONNECT THE BATTERY POWER AND SPEAKER CABLE
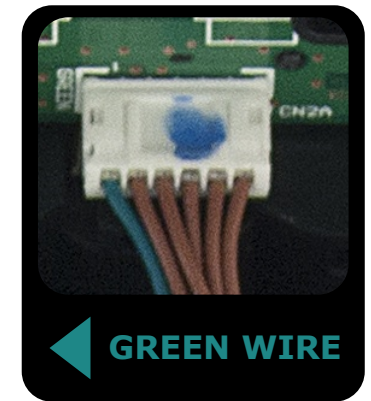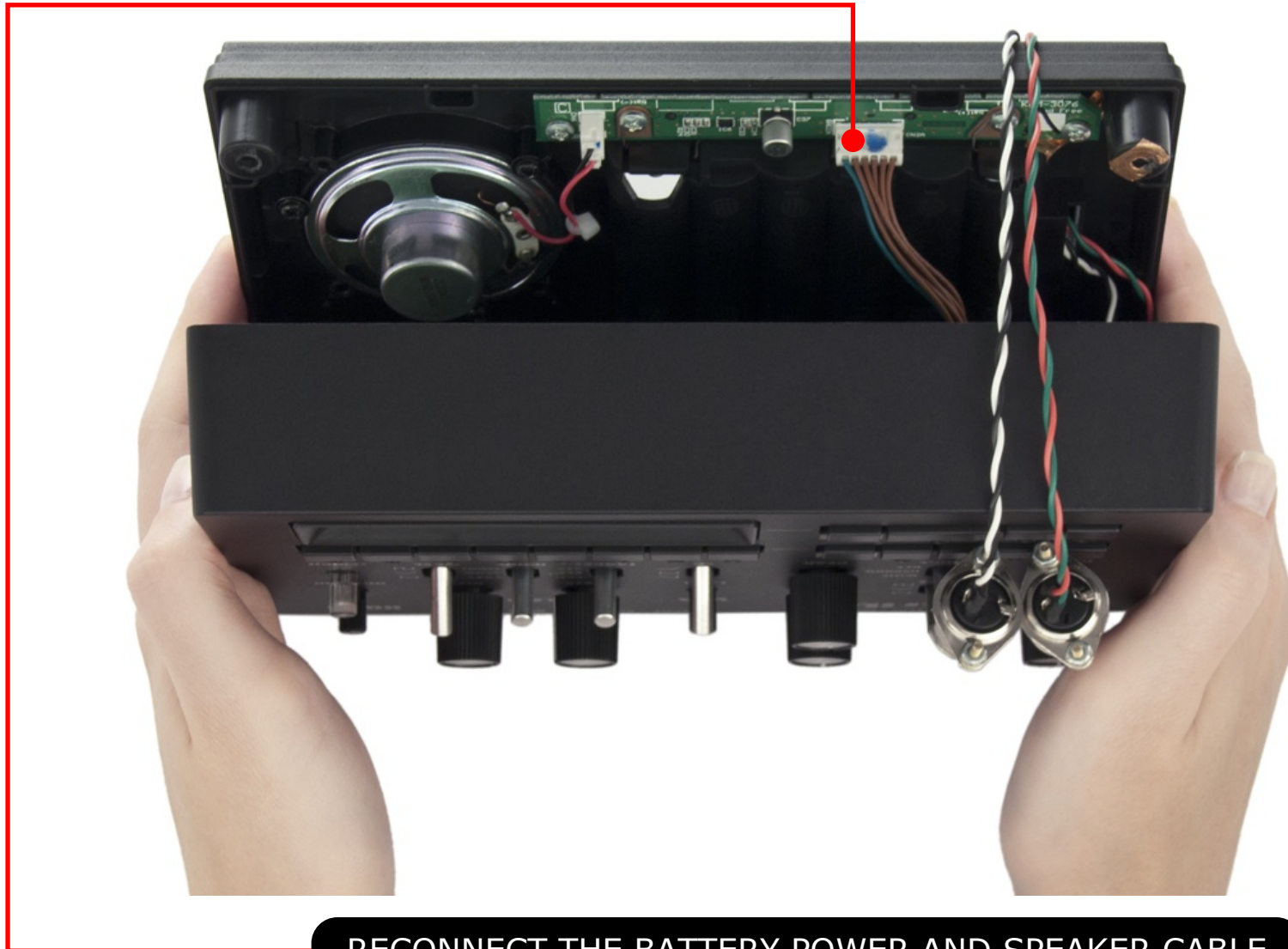
8.1 - Reconnect the battery power and speaker cable (CN2A), please note that the green wire is on the left side of the battery power and speaker connector (CN2A), the word "GREEN" is marked on the PCB to indicate the correct position, if connected differently it may cause damage to the MONOTRIBE or the MIDITRIBE I/O interface

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PUT THE FOUR RUBBER FEET BACK

PUT THE SCREWS BACK ON THE CASE
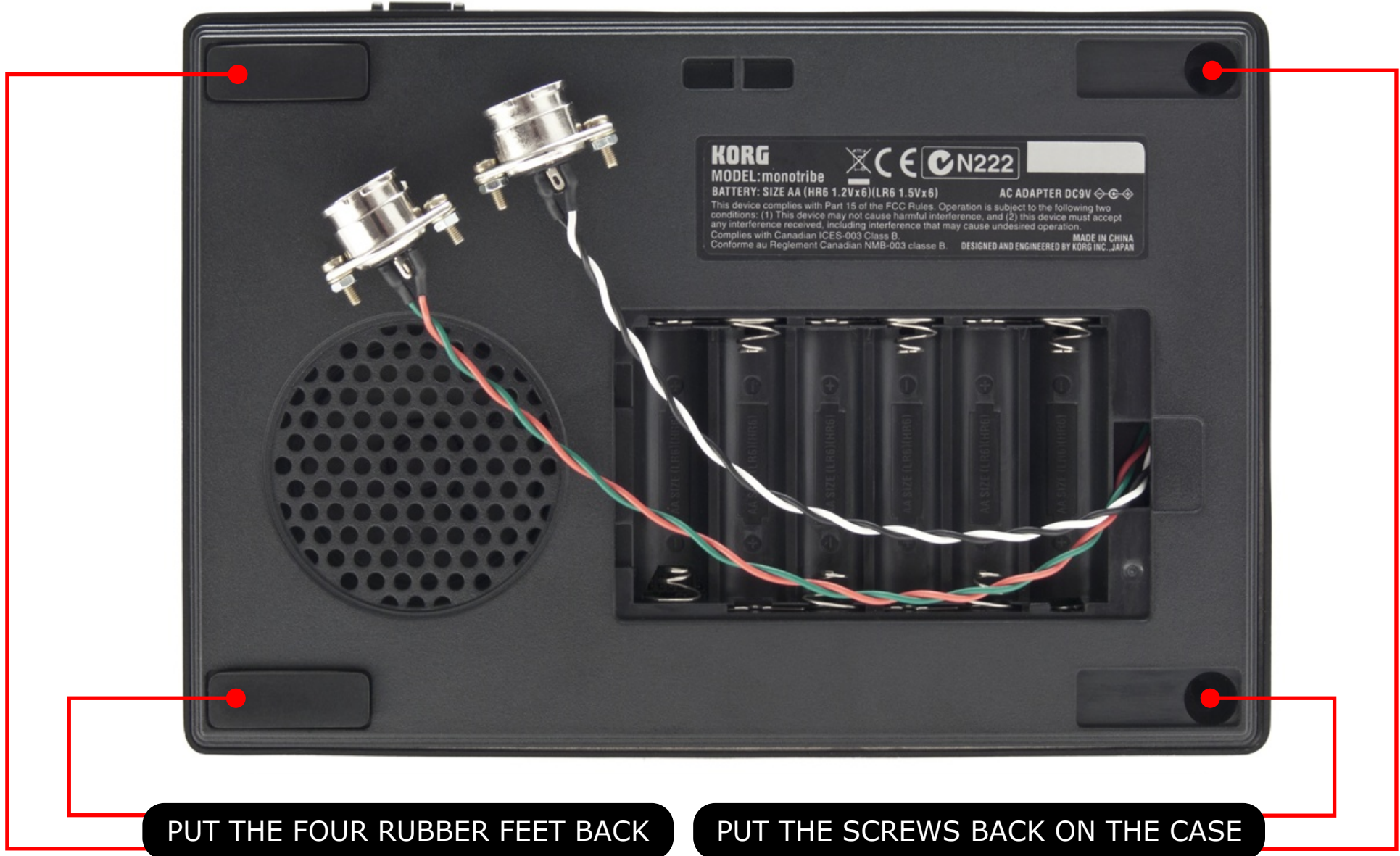
9.1 - Using a Phillips screw driver, put the screws back on the case
9.2 - Put the four rubber feet back

MIDITRIBE I/O Installation Done

Congratulations, your MIDITRIBE I/O is installaled and ready to use, the connector with the white and black wires is the MIDI IN, the connector with the red and green wires is the MIDI OUT.

You could, of corse, choose to drill holes in the case to fit the MIDI IN and OUT connectors, or drill a small hole to pass the wires from the MIDI connectors, then fit the connectors into a small project box.

As there are many alternatives we decided to keep it simple and guide you through the fastest and easiest way to install your MIDITRIBE I/O.

Considerations

Please note that the nature of the MONOTRIBE's synth part doesn't allow for decent keyboard action, notes must be tied to one another or very short and never overlap, in order to hide the click generated by the gate capacitors discharge when a note off message is received, this is not a fault with the MONOTRIBE or the MIDITRIBE I/O interface, it is a design limitation, this can be easily noticed when using the internal sequencer in FLUX mode. For these reasons, we advise you to use a MIDI sequencer.

Connecting to a sequencer

Using a standard MIDI cable, connect the MIDI OUT from your sequencer to the MIDI IN on the MONOTRIBE.

MIDI Clock Messages

The MONOTRIBE listens to incoming MIDI Clock Messages in order to sync the internal sequencer, however, if you want to use the built-in External Sync Input on the MONOTRIBE you must stop the MIDI Clock Messages, then turn the MONOTRIBE off and on again, or disconnect and reconnect the External Sync cable.

The MONOTRIBE's Synth Part

The MONOTRIBE's Synth Part listens to MIDI Channel 1 and it plays only notes inside the internal sequencer's range. The Synth Part listens to the following MIDI instructions:

MIDI Note - ON / OFF
MIDI Velocity to VCA LEVEL (Needs MONOTRIBE OS 2.0)
Pitch Bend - Pitch Bend Wheel (-7 / +12 semitones)
LFO INT. - Modulation Wheel - CC 1
VCA LEVEL - Volume or Expression - CC 7 or CC 11 (Needs MONOTRIBE OS 2.0)
LFO RATE - General Purpose Controller 1 - CC 16
EG SHAPE - General Purpose Controller 5 - CC 80
LFO TARGET - General Purpose Controller 6 - CC 81
LFO MODE - General Purpose Controller 7 - CC 82
LFO WAVE - General Purpose Controller 8 - CC 83

ACID Tips & Tricks

Set the LFO MODE to 1SHOT, then automate the Modulation Wheel (CC 1) in steps, following the notes to create the Accent Effect.

To emphasize the Accent Effect use MIDI Velocity following the Modulation Wheel (CC 1) Automation.

Automate the Pitch Bend Wheel to create the slide effect.

MONOTRIBE OS 2.0 Update

Please note that in order to control the VCA Level using continuous controllers 7 and 11, and also for your MONOTRIBE to accept MIDI Velocity you must update the OS to the MONOTRIBE OS 2.0, please check KORG's website under "SUPPORT / MONOTRIBE / DOWNLOADS" for instructions on how to update your Operating System.

The MONOTRIBE's Rhythm Part

The MONOTRIBE's Rhythm Part is simple as it can be, it listens to MIDI Channel 10 and the notes are:

BD - 36 (C1)
SN - 40 (E1)
HH - 42 (F#1)

The MONOTRIBE's Internal Sequencer

These are the main features of the MONOTRIBE's Internal Sequencer with the added MIDI IN and OUT functionality:

- Syncs to MIDI Clock
- Outputs MIDI Clock
- Record notes coming from MIDI Channel 1 to the Internal Sequencer's memory
- The Synth Part works as an arpeggiator running at 1/16, which responds to pitch information recorded in each of the Internal Sequencer's 16 steps for controlling external synths on MIDI Channel 1, please note that turning steps off on the MONOTRIBE won't turn the same steps off on MIDI OUT Channel 1, in order to turn steps off on MIDI OUT Channel 1 you must use the Ribbon Controller + press and hold "Active Step" then control the Volume of each step, external synths must accept Volume Controller - CC 7 (Needs MONOTRIBE OS 2.0 for 16 steps and Volume Controller - CC 7)
- Control external synths using the Ribbon Controller for Note ON / OFF, Volume Controller - CC 7 and Gate Time (Needs MONOTRIBE OS 2.0 for Volume Controller - CC 7)
- Send Continuous Controllers 1, 16, 80, 81, 82 and 83 to MIDI OUT Channel 1 ((Needs MONOTRIBE OS 2.0 to function properly)
- The Rhythm Part sends trigger information to MIDI OUT Channel 10, the notes are:
BD - 36 (C1)
SN - 40 (E1)
HH - 42 (F#1)
- Couples as a MIDI Clock to Sync Pulse or Sync Pulse to MIDI Clock converter when used in conjunction with the MONOTRIBE's built-in Sync I/O

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