

AK-4 PRO SPECIAL EDITION (SE) WORLD SCALE TUNING

SETUP GUIDE

FIRMWARE VERSION 3

Korg Trinity **V3**



AK4 Pro SE
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Korg Trinity V3

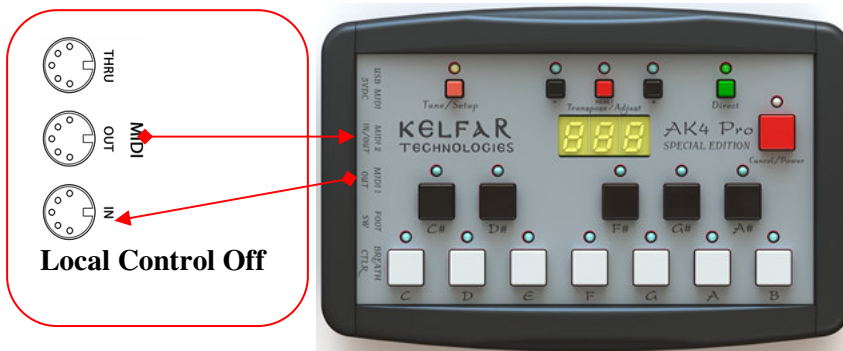
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Congratulations on your purchase of the AK-4 PRO SE WORLD SCALE TUNING, a Microtonal keyboard converter device. With the AK-4, you can create authentic Microtonal music right from your **KORG TRINITY V3 MUSIC WORKSTATION DRS.**

MAKING THE CONNECTIONS

1. Connect the **Midi Out** of the AK-4 Pro SE to **Midi In** Korg Trinity **V3**
2. Connect the **Midi In** of the AK-4 Pro SE to **Midi Out** Korg Trinity **V3**
3. **Local Control Off** (Please follow the instructions bellow on page 4 to avoid any MIDI FEEDBACK and or stuck notes)



PROGRAMMING THE UNIVERSAL MODE 5 / (Mono-Legato Micro-Tuning[®])

1. PRESS and HOLD the CANCEL/POWER.
Then, while holding down the CANCEL/POWER button, PRESS the TUNE/SETUP button.
2. LED Display shows **P 1**
3. Press the key "A#".
4. LED Display shows **P 2**
5. Select Mode 5 using the "E" key
6. LED Display shows **P 5** (Primary Channel) for **Mode 5**
7. Select the Incoming / Outputting Midi Channel and set to channel **1** by using the using the TRANSCOPE/ADJUST (+) and (-) buttons.
8. Press TUNE/SETUP to confirm
9. LED Display shows the USB MIDI STATUS **P x x**. if it shows **P 0 0** then skip to STEP 10

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- A. (+) Enable/Disable Port 1: \square is OFF, \uparrow is ON
- B. (RESET) Enable/Disable Port 2: \square is OFF, \uparrow is ON

It is best to disable the USB PORTS by using the Transpose/Adjust buttons + and Reset

- 10. Press the CANCEL/POWER to confirm
- 11. The LED Display shows EP or OFF or BC

Use the Transpose buttons to Turn ON/OFF:

- EP Expression Pedal is ON - TR (-)
- OFF Expression Pedal and Breath Controller are OFF for (MIDI1) - RESET
- BC Breath Controller is ON for Primary (MIDI1) - TR (+)

- 12. Press CANCEL/POWER to set up the Control Change
- 13. The LED Display shows $\square\square\square$
- 14. Press CANCEL/POWER to setup the Control Change.
- 15. The LED Display shows $\square xx$ ($xx=\square\square$ to $\uparrow \uparrow$) or UL (Master Volume) i.e $\square \uparrow \uparrow$
- 16. Select the Control Change Number by using the Transpose/Adjust buttons.
- 17. Press CANCEL/POWER to setup the Curvature by using the Transpose/Adjust buttons.
- 18. The LED Display shows $\square \downarrow x$ ($x=\square$ to E)
- 19. Select the Curve by using the Transpose/Adjust buttons.
- 20. Press CANCEL/POWER to Exit programming the Universal Mode

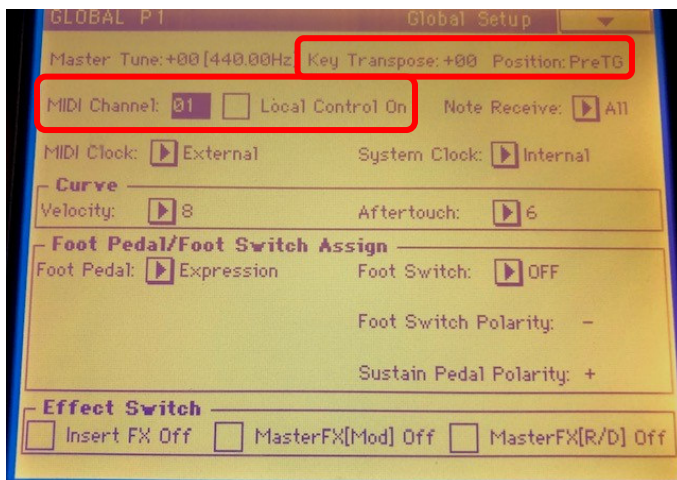
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Follow the steps below to ensure that the AK4 Pro SE operates correctly with Korg Trinity V3.

If some of the sounds are not micro-tuned properly, then it is possible that the Pitch Bend range is not set to 2/-2 or the Jump Bend boxes are unchecked. This guide will assist you in setting up all the correct parameters for individual Programs, all Programs, or Combinations Banks A, B, C, D, and the Programs in Bank M (MOSS).

The AK4 Pro SE operation is Mono or Mono Legato in Universal Mode. It is possible, however, to play a maximum of 10 Polyphonic voices in Equal-Temperament scales. To avoid getting out-of-tune notes while playing microtonal in Polyphonic, then it is best adjust your ADSR to lower values for the Decay, Release, or Sustain.

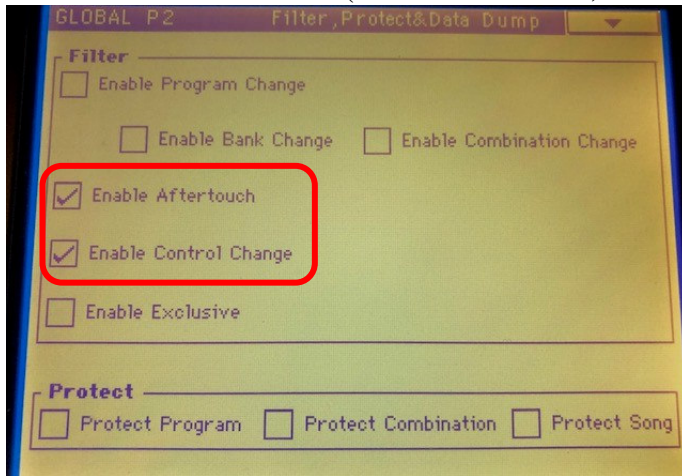
1. Press the **Global** button. Then Press the **Global** button **P1**
 - A. **Key Transpose +00**
 - B. **Position: PreTG**
 - C. **Midi Channel 1**
 - D. **Uncheck the box Local Control On**



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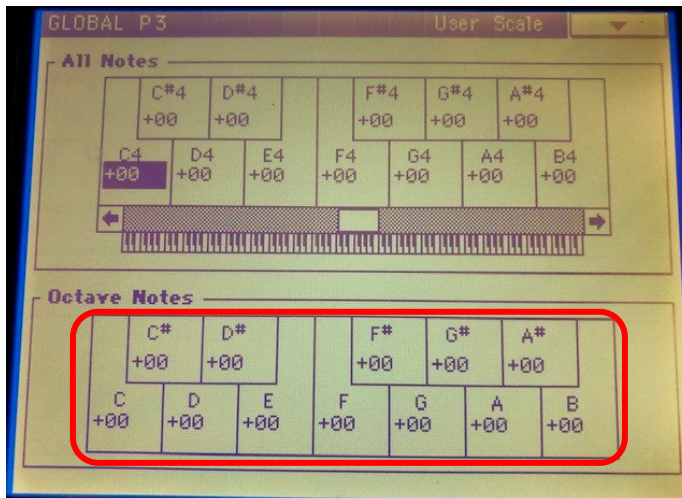
2. Press the **Global** button. Then Press the **Global** button **P2**

- A. **Uncheck the boxes:** (Enable Program Change, Enable Bank Change, Enable Combination Change, Enable Exclusive)
- B. **Check the boxes:** (Enable Aftertouch, Enable Control Change)



3. Initialize **Octave Notes** (User Scale) (C - B) to **+00**

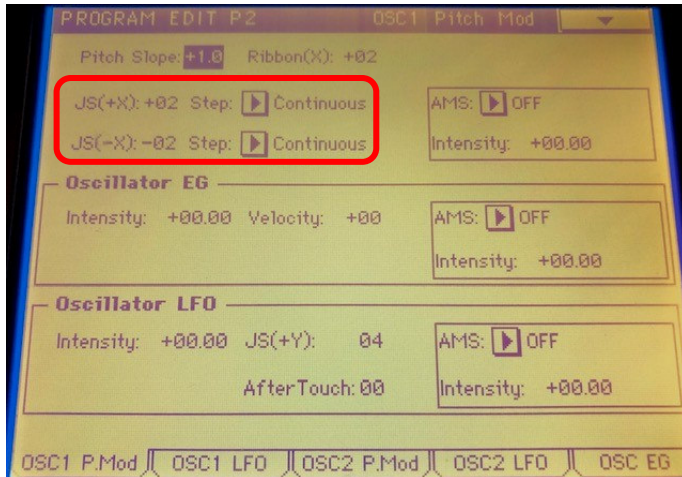
- A. Press the **Global** button and then Press the **Global** button **P3**
- B. Set each note (C to B) to **+00**



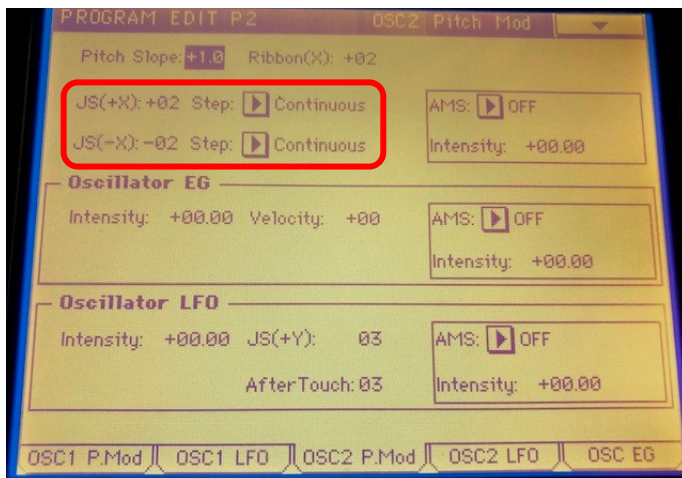
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4. Setting the Pitch Bend range to **2/-2** and the step to **Continuous** for Programs Banks A, B, C, D

- A. Press the Edit Button
- B. Press the Button P2
- C. Touch OSC1 P. Mod
- D. Set the Pitch Bend Range to JS (+X) +2, Step > Continuous
- E. Set the Pitch Bend Range to JS (-X) -2, Step > Continuous



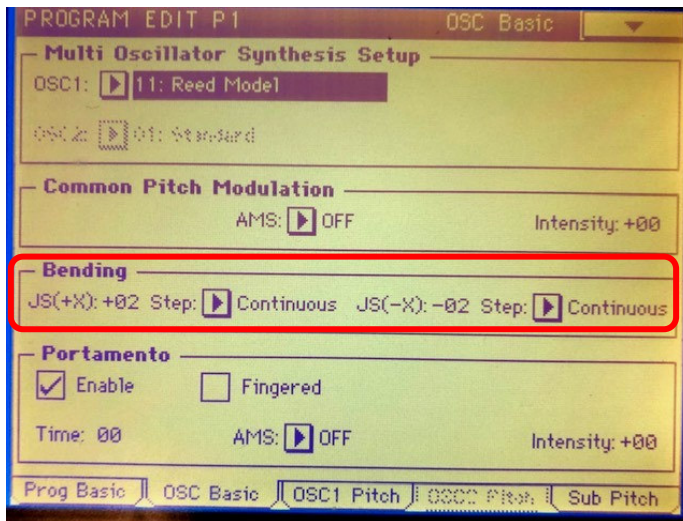
- A. Press the Edit Button
- B. Press the Button P2
- C. Touch OSC2 P. Mod
- D. Set the Pitch Bend Range to JS (+X) +2, Step > Continuous
- E. Set the Pitch Bend Range to JS (-X) -2, Step > Continuous
- F. Write Program "If you turn the power off or select a different program before writing, the data cannot be recovered."



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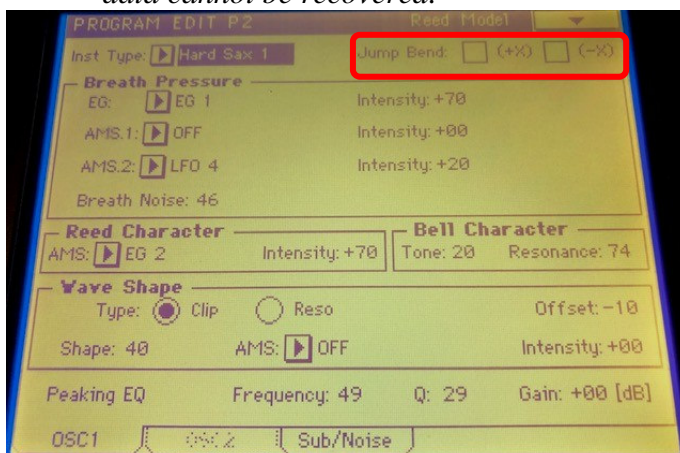
5. Setting the Pitch Bend range to **2/-2** and the step to **Continuous** for Programs **Bank M (MOSS)**

- A. Press the Edit Button
- B. Press the Button P1
- C. Touch OSC Basic
- D. Set the Pitch Bend Range to JS (+X) +2, Step > Continuous
- E. Set the Pitch Bend Range to JS (-X) -2, Step > Continuous
- F. Write Program "If you turn the power off or select a different program before writing, the data cannot be recovered."



6. For Bank M (Moss) only: Reed and Brass oscillators

- A. Press the Edit Button
- B. Press the Button P2
- C. Touch OSC 1
- D. Uncheck the Jump Bend Boxes (+X) (-X)
- E. Write Program "If you turn the power off or select a different program before writing, the data cannot be recovered."



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7. Combinations Banks A, B, C, D

- A. Press the Edit Button
- B. Press the Button P2
- C. Set the Bend Range to +2 for the Track(s) that are needed adjustment
- D. Write Combination "If you turn the power off or select a different combination before writing, the data cannot be recovered."

