

# Authentic Instruments Exercise

## A Simple Exercise

You need to carry out this simple exercise. It is easy to do and will not take you very long, but it will help you to grasp something of the changes that different parameters can make to instrumental tones or sounds. This exercise will not change any existing settings that you have placed on your Memory Buttons, but will help you to understand some of the built in attributes available on our instruments and enable you to benefit from them.

1 With the organ switched on, select **Jazz Band** from the **Registration menu** and with the appropriate button below the display screen select **Solo Clari.**

2 Now in the **Lead** section, press the illuminated button **1**. This shows that **Dixie Cla.** is darkened and therefore selected.

3 Press the button on the left of your screen to choose the **Condition** page.

4 At the top right of your screen you should see the box identified as **Condition** highlighted. If not then press the appropriate button to the right of the screen to select it.

5 At the bottom of the display you will notice that **8'** is selected.

6 Now press the button at the right of your screen to select **Vibrato**.

7 You will see that the settings for **Vibrato** are as follows:

<b>Delay</b>	<b>1</b>
<b>Depth</b>	<b>6</b>
<b>Speed</b>	<b>2</b>

8 Press and hold any key on the **Upper Keyboard** to play the **Clarinet**.

While holding it switch between **Preset** and **User**, with the buttons to the left, but below the display screen. You will notice that one tone is plain and bland while the other, built in by Yamaha engineers, is rich and 'more authentic'.

Also press the note harder, then release the pressure on the key and you will appreciate the variation available, because the **Touch Tone** is active. If you check with the **Condition Page**, you will see that both **Touch Tone** values are set to **4**. This function reproduces the effect of the clarinetist blowing harder. Something else those engineers have created for us.

9 In the **Lead** section, press **1** again.

10 Use the button to the right of the screen to move the **Page** to the **left**, until **Trumpet** appears to the left hand side.

11 Select **Clas. Trumpet** with the appropriate button at the bottom of the screen.

12 Now when you select **Condition** (to the left of the screen) and **Vibrato** (to the right of the screen) you will notice that the **User** settings are identical as for the **Clarinet** and nothing shows under **Vibrato** for the **Preset** setting. Again, press and hold any key on the **Upper Keyboard** to play the **Trumpet**.

While holding it, switch between **Preset** and **User**, with the buttons to the left and at the bottom of the display screen, and notice the variation in the sound produced.

13 One other thing. In the **Condition**, from the **Condition Page**, change the setting to **16'** and switch on the **Slide** and set it to **maximum**. Play a few more notes if you wish.

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**14** Now, in a similar way as outlined above, select **Piano**, by moving farther left through the **pages** and then **Grand Piano**. Then play a few more notes.

If you check in the **Condition page**, you will see that all the **Condition** settings each remain the same.

We have made significant alterations which sound dreadful for a piano, but this exercise demonstrates that when you make any changes like this, though not perhaps so dramatic they are carried through. So if you set your clarinet to 16', and then use another instrument in a different registration memory, it may also sound odd, because it is an octave out.

This further short exercise will help you to discover what we already have built in to our instruments, and how we can inadvertently carry over adjustments that we make to other registrations.

**1** Choose **Organ Trumpet** from **Classic Organ** in the **Registration Menu**.

**2** Switch off all the Upper Keyboard Ensemble buttons **except Lead**.

**3** Using the above process go to the **Vibrato** screen within the **Condition page**, and while playing and holding a note on the upper keyboard, switch between **User** and **Preset**, to hear the difference.

**4** Select **Oboe** from the **Lead** section. Again, go to the **Vibrato** screen within the **Condition page**, and while playing and holding a note on the upper keyboard, switch between **User** and **Preset**, to hear the difference.

**5** You can do this with other registrations. For instance, choose **Fiddle Ballard** from **Country** in the **Registration Menu** and listen to the differences there.

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