Learning IR Commands Into The Axium User Database

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- Learning IR commands into the User Database

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- Copying Hex code directly into the User Database

  If you have other IR programming software used for programming other devices, you may already have learnt commands or acquired direct/discrete commands. As long as the commands are in HEX format, then you can add them to your ADP database.

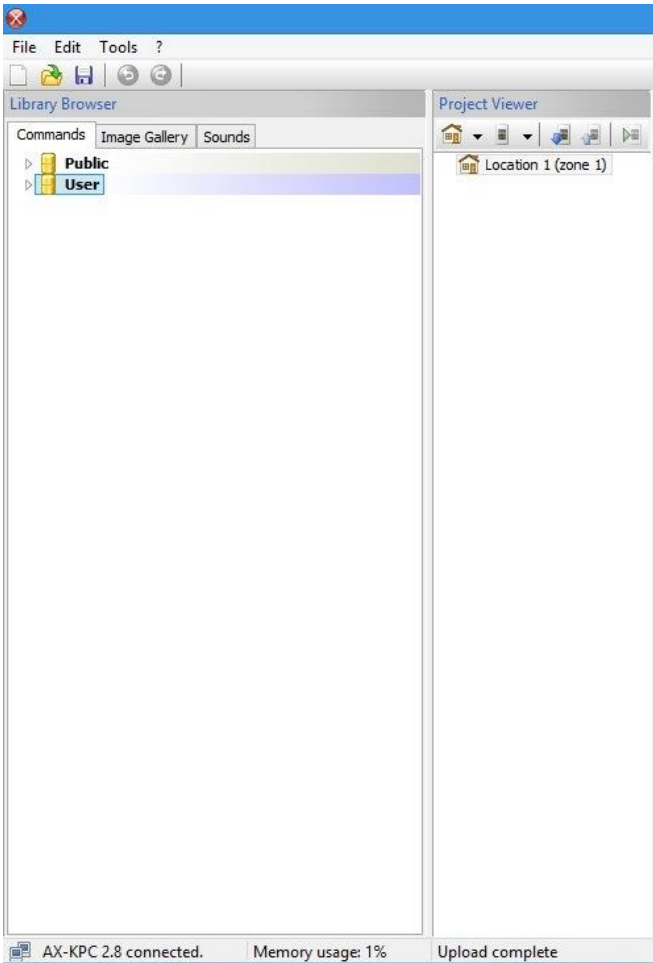# Learning IR Commands Directly Into ADP

About

This is document explains how to learn IR commands directly into the Axium User database in ADP (Axium Design Portal software)
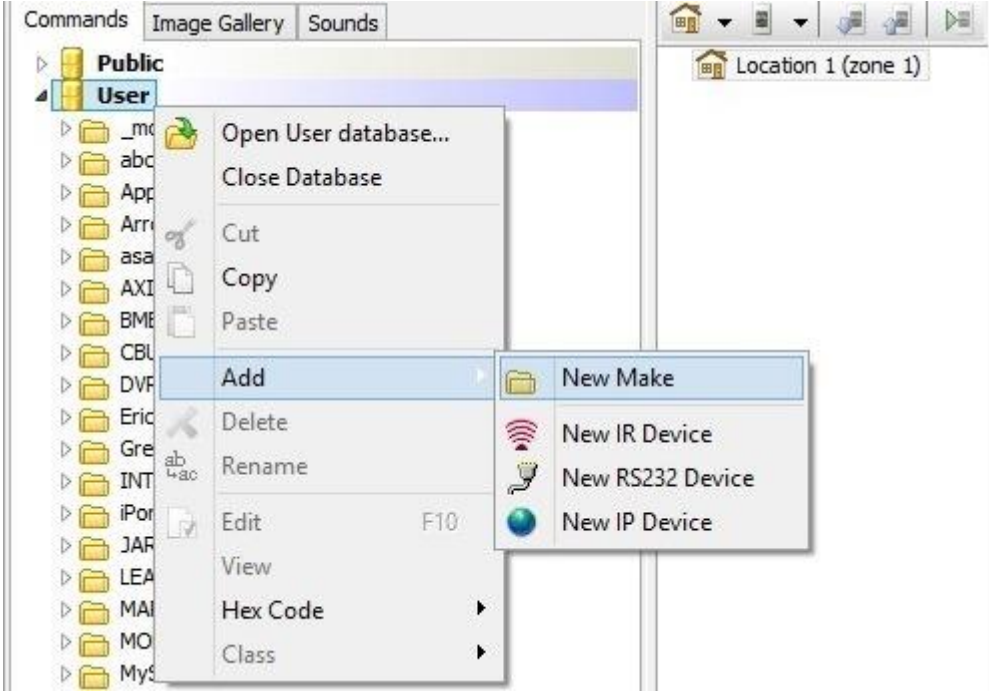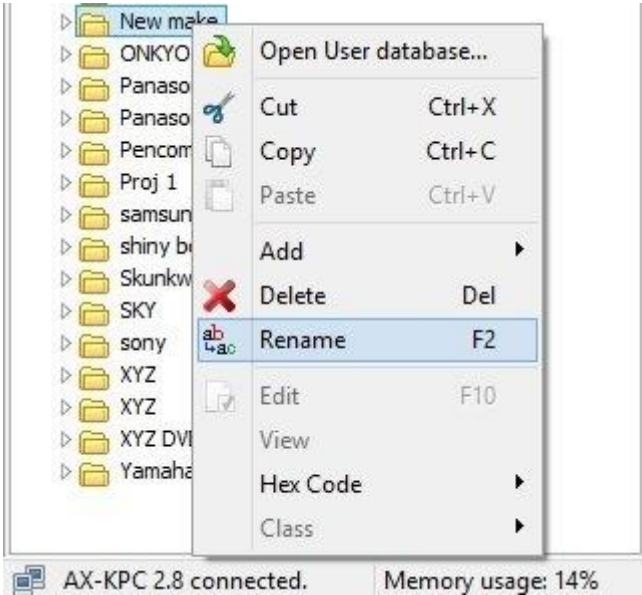
1.   Equipment Required

- Axium AX-KPC LCD or AX- KPD Keypad

- Computer running Axium Design Portal

- USB cable

- Note: The Keypads need to be connected to a 12VDC power source or a controller port on either an Axium Amplifier or R4 Controller.

2.   Opening and Connecting to the User Database window
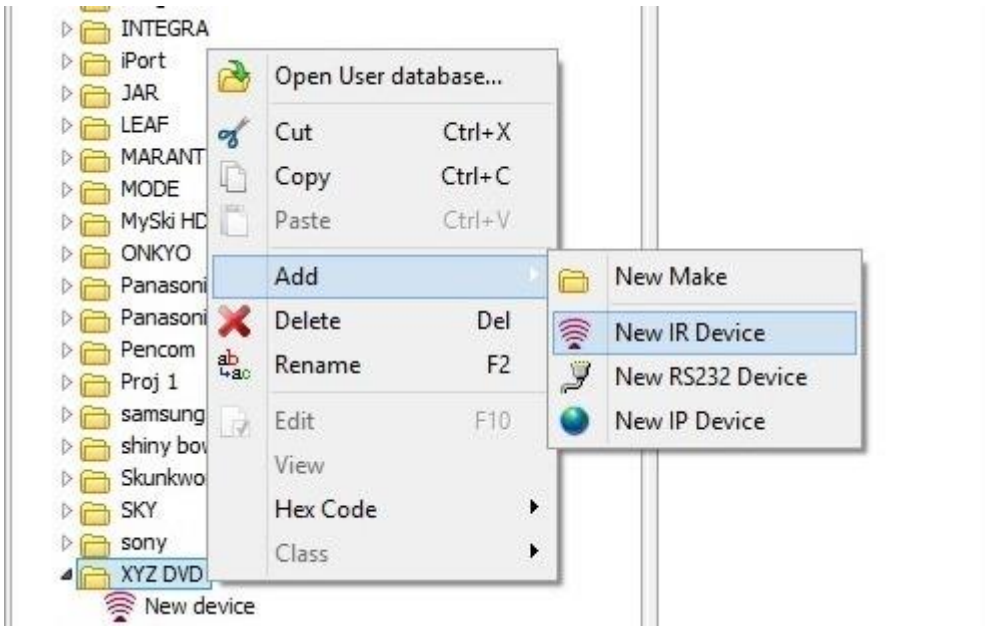
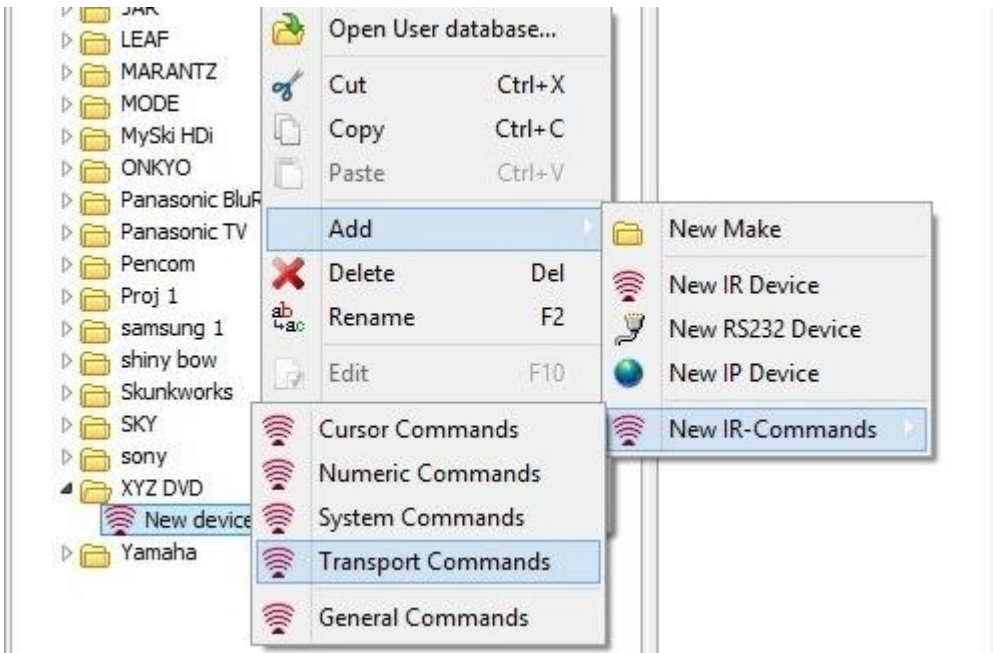| Step	Description
1	Open Axium Design Portal
2	Connect your AX-KPC LCD or AX-KPD keypad to one of the Controller Ports on the Axium Amplifier via a patch lead or to a 12VDC Power pack.
3	Connect the USB from either keypad to your computer

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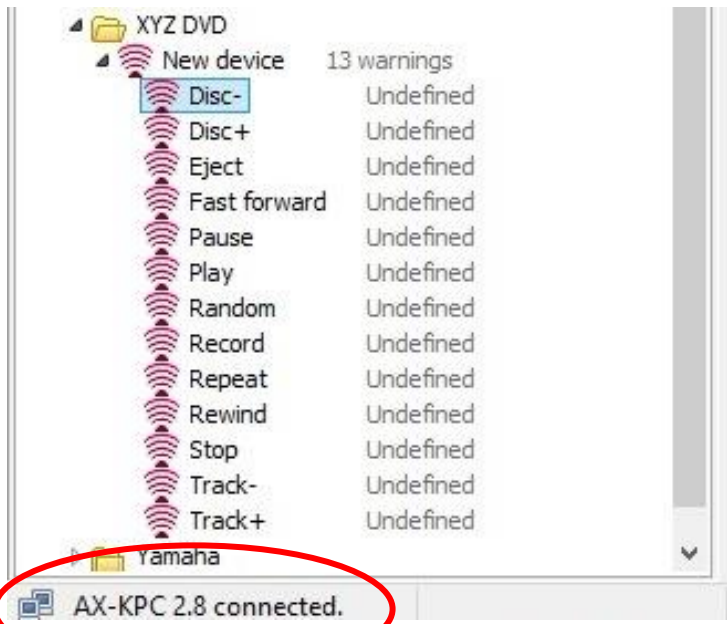| Step	Description
4	*Right Click on the **User Tab** and select **Add** then **New Make** from the menu*
5	Right click on the **New Make** folder and select **Rename** from the menu, name the folder as the Product type you are using i.e. XYZ (brand) DVD

Step	Description
6	The folder will now display XYZ DVD.
	Right Click on the **renamed folder**, scroll down to **Add** the select **New IR device** from the menu.

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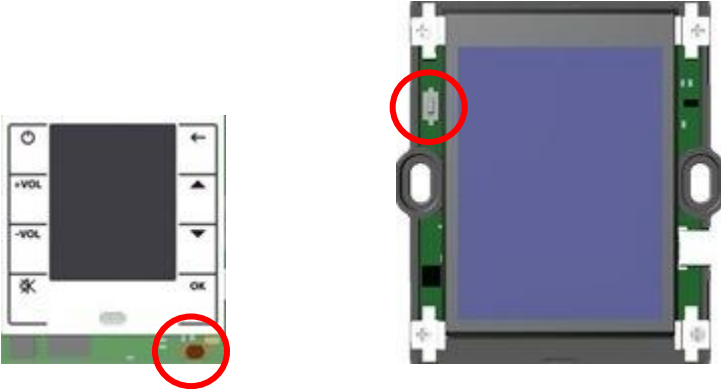| Step	Description
7	This will now show an IR device under the named folder. Right click on the **new IR device** shown under the **XYZ DVD folder**, select **Add** then select **New IR commands**. Another list is made available to you. In this example we are going to learn **Transport commands** so select **Transport Commands** from the menu.
8	The undefined Transport commands will now be displayed. Note, at this stage there are no IR commands associated with the newly created Transport commands, this is why they are undefined.

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Step	Description
9	Ensure steps 2 and 3 have been completed at this stage. ADP will display what keypad is being used as well as confirming that it is connected to the computer by displaying a **connected** message located bottom left hand side of ADP.
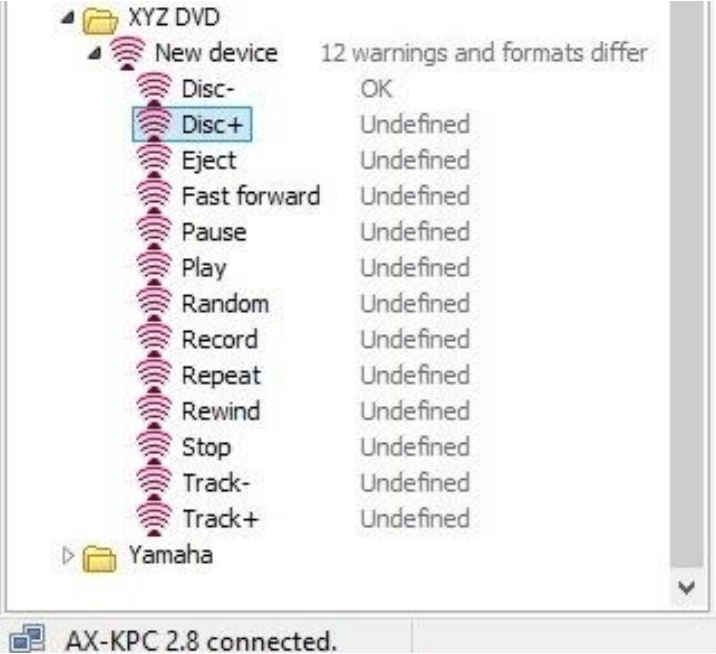
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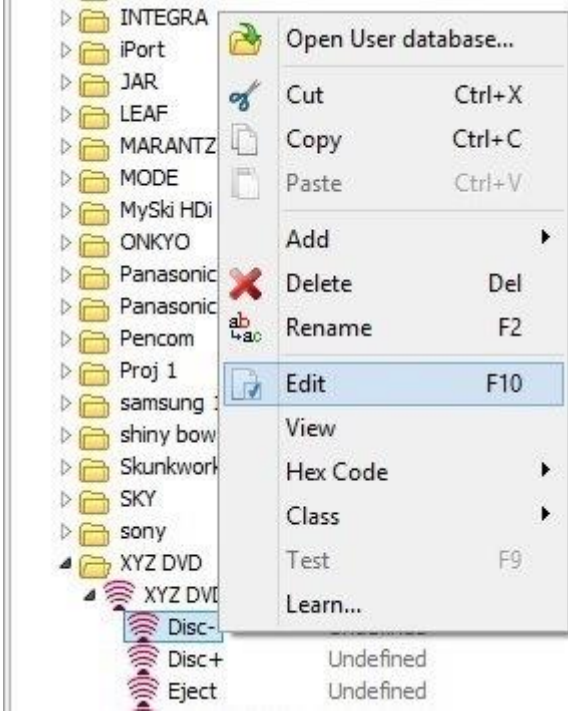| Step	Description
10	Right click on the 1st Transport command (**Disc -**) you want to learn the IR code into, click **Learn** from the menu. The **Learn** option will only be available for selection if either a KPC or KPD keypad is connected to your computer.
11	The message below will appear prompting to press the **learn button** on the keypad connected to the computer.

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Step	Description
12	The location of the **learn button** for the KPD is bottom right hand side of the keypad below the LCD screen and on the Top Left hand side on the KPC.
13	Once you have clicked **Learn** from the menu in step 10, the following message will also appear on the associated Keypad. Press the learn button to learn a command Once the Learn button on the keypad has been pressed another message appears Submit IR command. Press the learn button again to cancel Either Submit the IR command (see step 14) or cancel the operation.
14	**Submitting the IR command to the Keypad.** Using the Sources Remote, select the button you want to learn the IR command for, in this case the **Disc –** button. Point the remote at the IR receiver on the keypad, continuously hold the button **Disc -** pressed until the keypad displays that the command has been learnt OK. Learn Ok If the message **Learned Failed** appears, re submit the IR code again.

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Step	Description
15	Once the **Disc -** IR command has been learnt by the Keypad, ADP displays that the **Disc –** has an **OK** associated to it rather than **Undefined.** The **OK** represents that the learnt IR command is loaded into the User database.

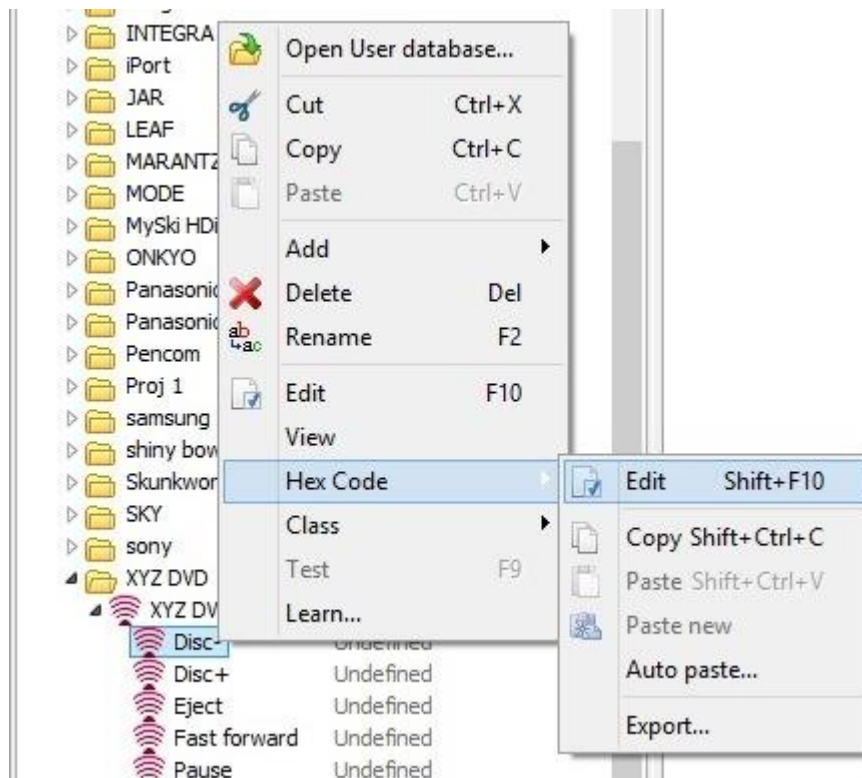| 16 | Follow steps 13 to 14 for each IR command to be learnt into the ADP user database. |

## 3.   Copying Hex code directly into the ADP User database

17	Follow steps 1 to 9 above in the first instance. Once you get to step 9, then follow step 17 onwards.
18	Right click on the IR command you want to edit, then select Edit from the menu.

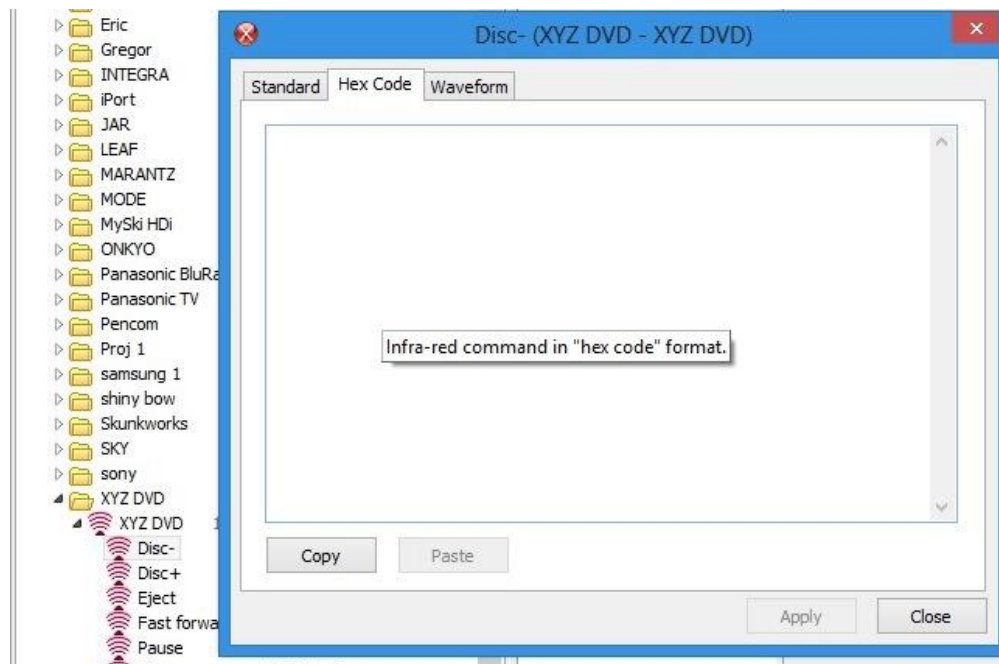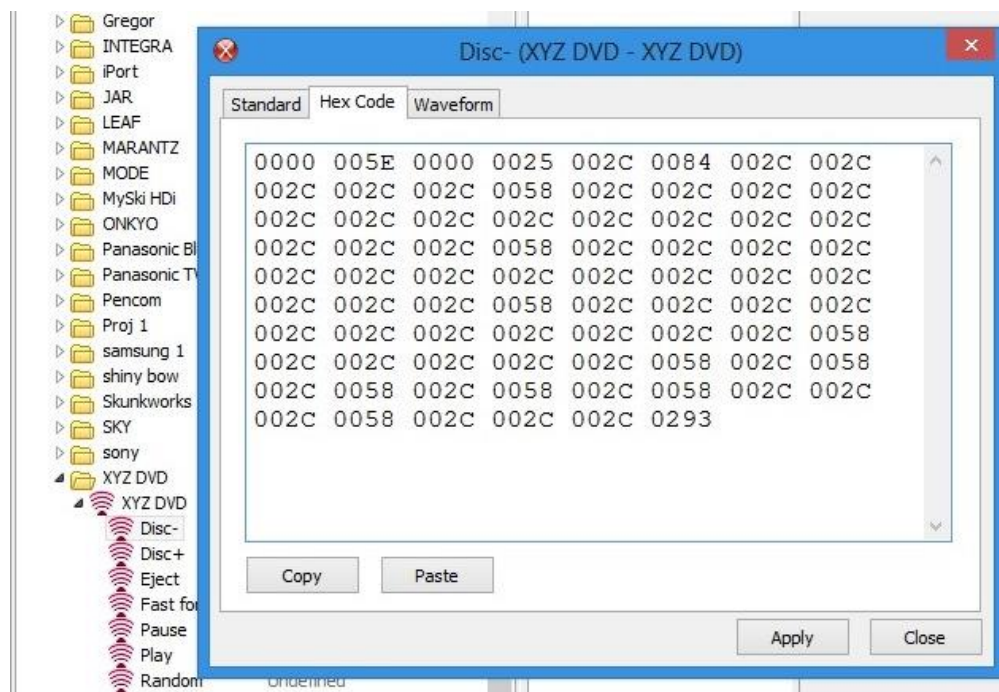| 19	Right click on the IR command you want to edit, then select **Hex Code** then **Edit** from the menu.
19	Another window appears with three tabs, select the **Hex Code** Tab.
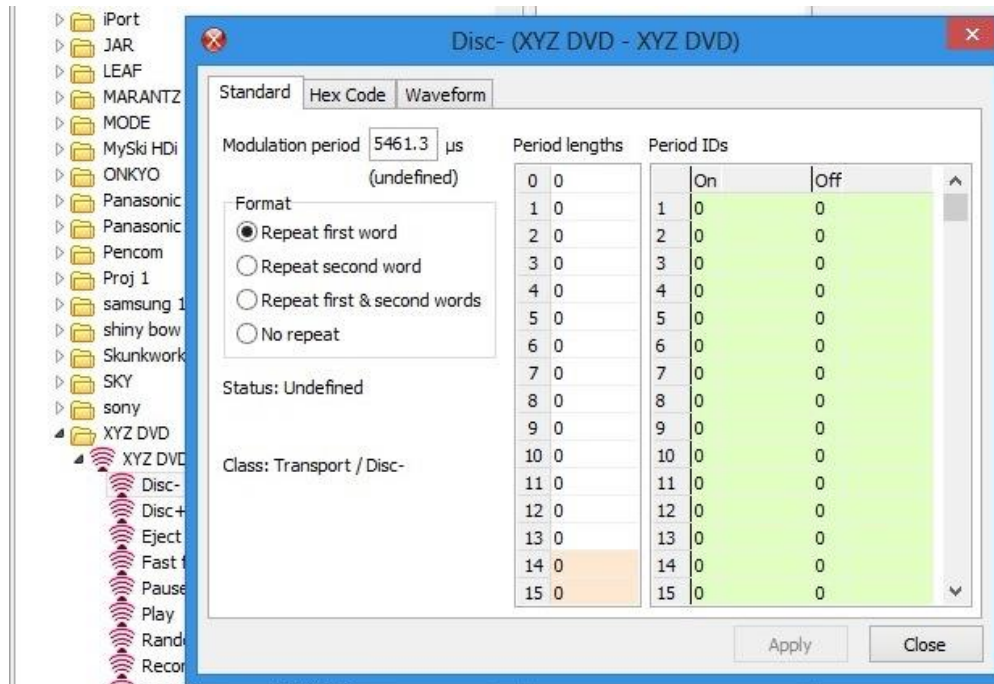
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20	Another window appears with three tabs, select the **Hex Code** Tab. This is where you will paste your copied Hex code.

21	Copy the Hex code you have on file and paste it in the blank window, click **Apply** then **Close.**
	Repeat this process for the other commands you wish to import.