

Learning IR Commands Into The Axiu User Database

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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

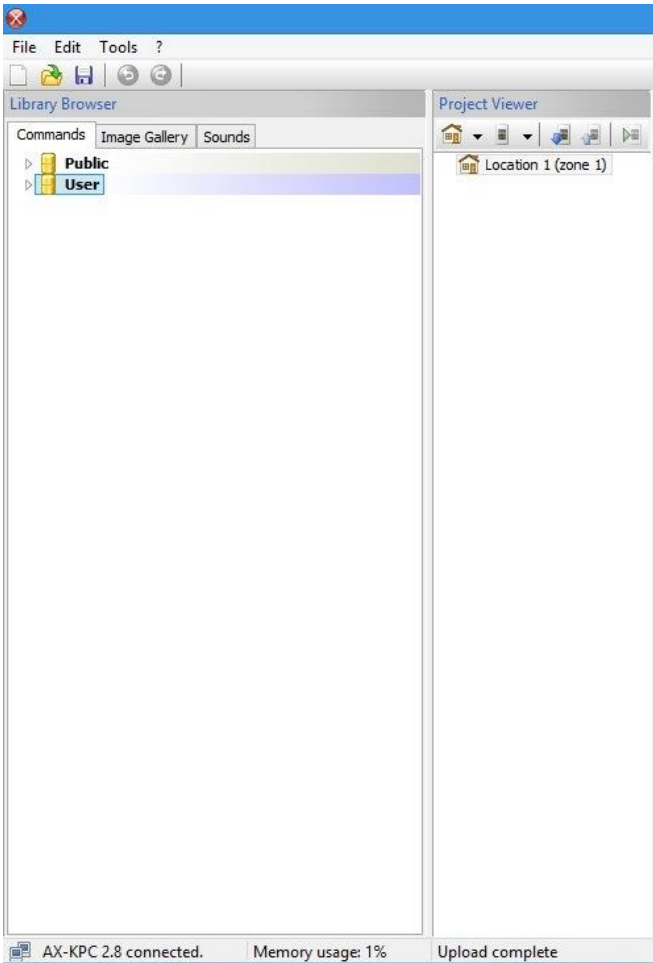
This document explains how to learn IR commands directly into the Axium User database in ADP (Axium Design Portal software)

1. Equipment Required

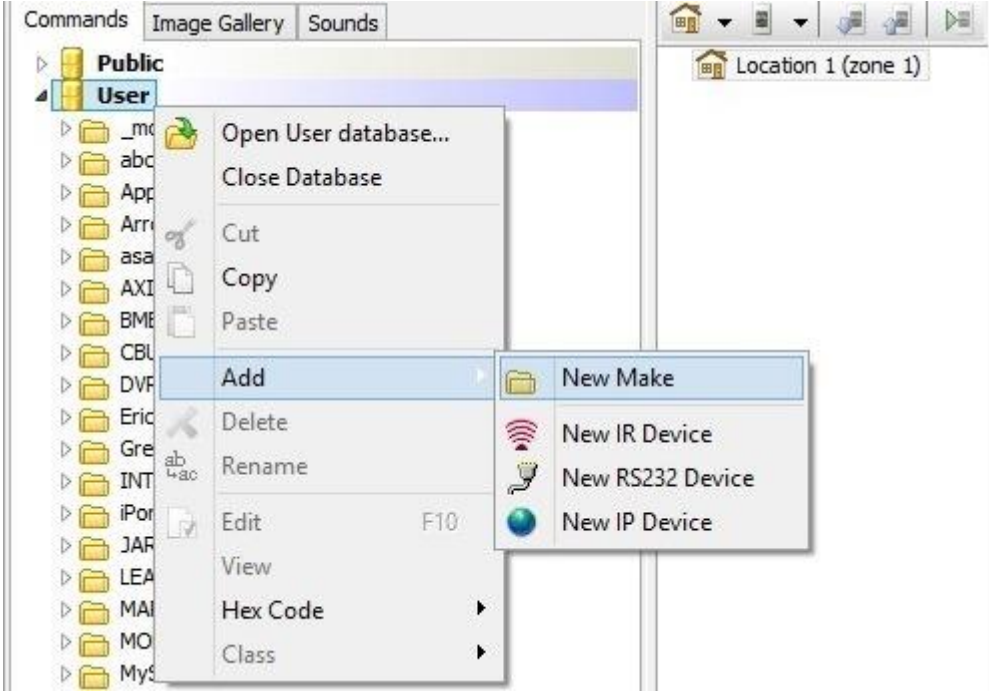
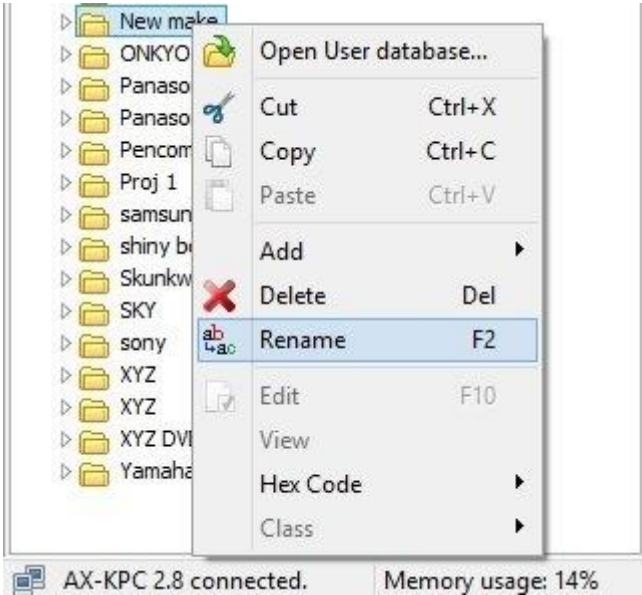
- Axium AX-KPC LCD or AX- KPD Keypad
- Computer running Axium Design Portal
- USB cable
- Note: The Keypads need to be connected to a 12VDC power source or a controller port on either an Axium Amplifier or R4 Controller.

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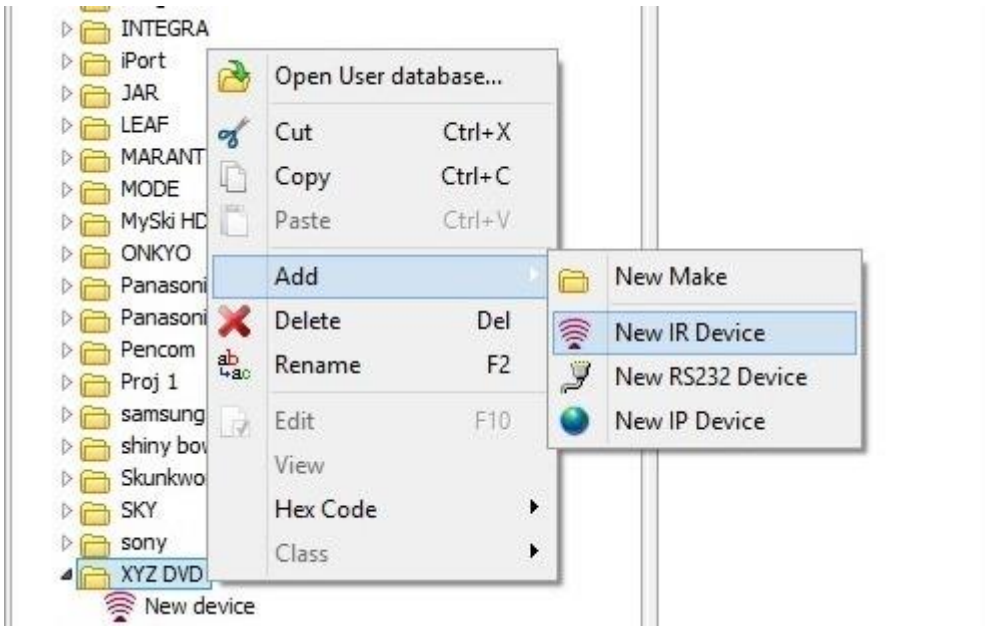
2. Opening and Connecting to the User Database window

Step	Description
1	<p>Open Axium Design Portal</p> 
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

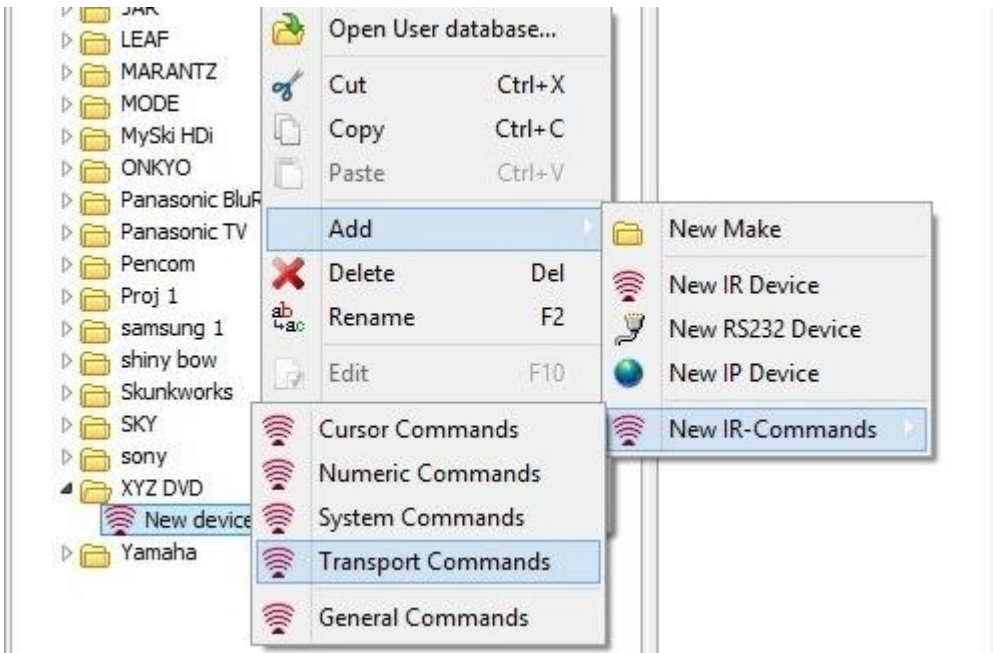

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Step	Description
4	<p>Right Click on the User Tab and select Add then New Make from the menu</p> 
5	<p>Right click on the New Make folder and select Rename from the menu, name the folder as the Product type you are using i.e. XYZ (brand) DVD</p> 

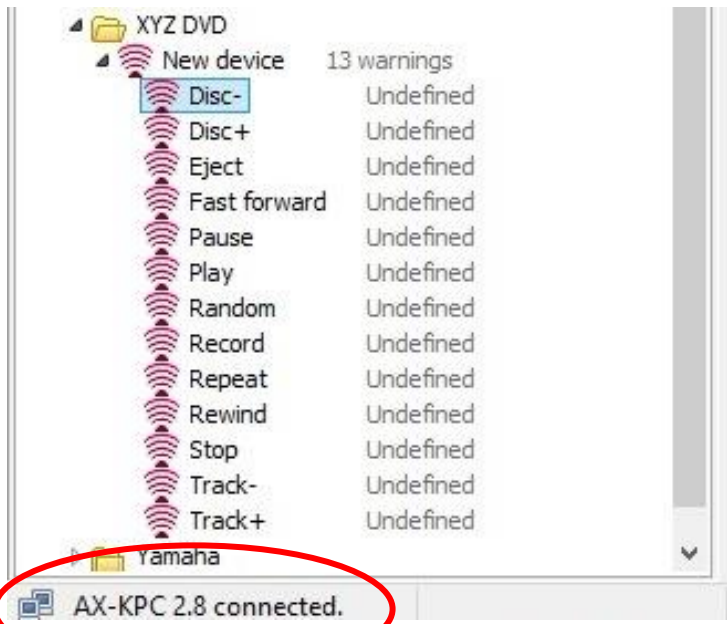
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Step	Description
6	<p>The folder will now display XYZ DVD.</p> <p>Right Click on the renamed folder, scroll down to Add the select New IR device from the menu.</p>  <p>The screenshot shows a file explorer window with a list of folders. The folder 'XYZ DVD' is selected and highlighted in blue. A context menu is open over the 'XYZ DVD' folder, listing options such as 'Open User database...', 'Cut', 'Copy', 'Paste', 'Add', 'Delete', 'Rename', 'Edit', 'View', 'Hex Code', and 'Class'. The 'Add' option is highlighted in blue. A sub-menu is open over the 'Add' option, listing 'New Make', 'New IR Device', 'New RS232 Device', and 'New IP Device'. The 'New IR Device' option is highlighted in blue. Below the 'XYZ DVD' folder, there is a 'New device' icon with a red 'X' over it.</p>

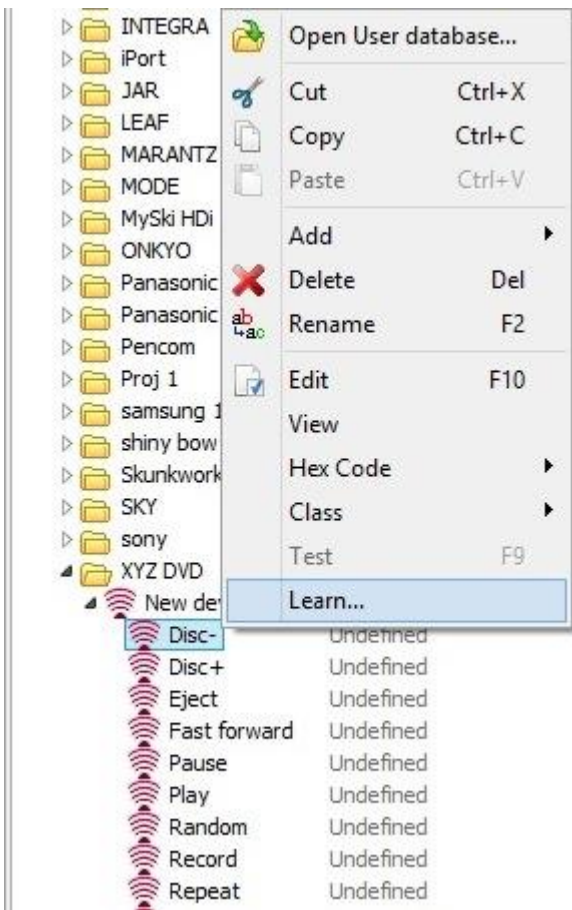
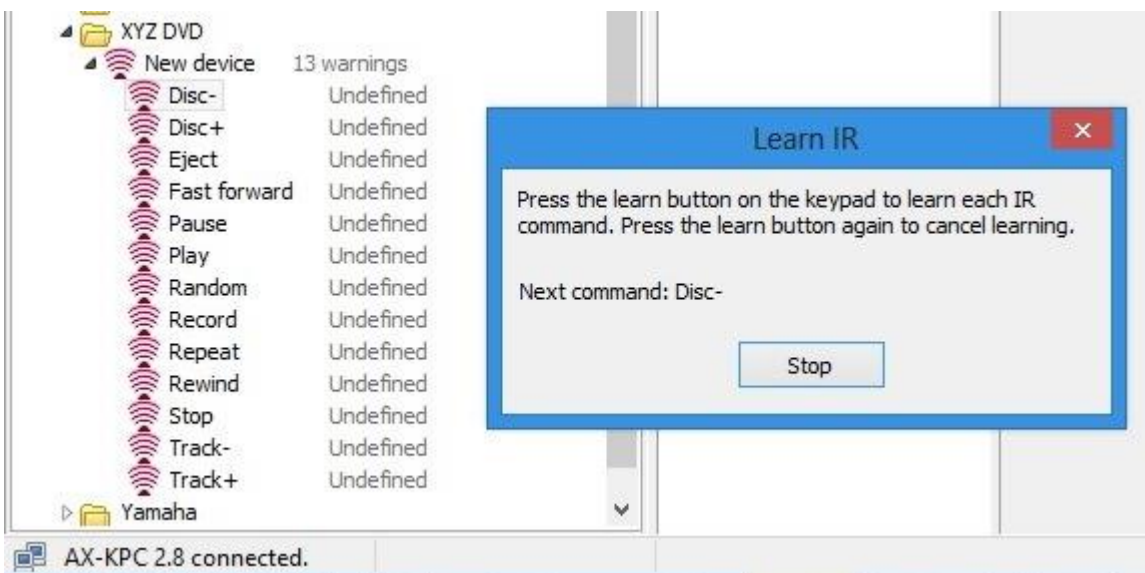
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Step	Description
7	<p>This will now show an IR device under the named folder.</p> <p>Right click on the new IR device shown under the XYZ DVD folder, select Add then select New IR commands. Another list is made available to you. In this example we are going to learn Transport commands so select Transport Commands from the menu.</p> 
8	<p>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.</p> 

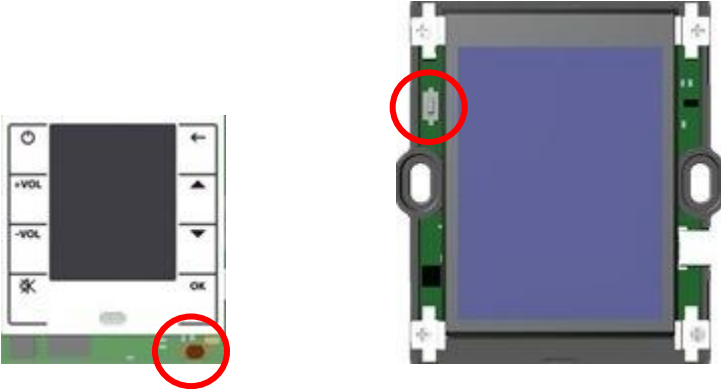
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Step	Description
9	<p>Ensure steps 2 and 3 have been completed at this stage. ADP will display what keypad is being used as well as confirming that it is connected to the computer by displaying a connected message located bottom left hand side of ADP.</p>  <p>The screenshot shows a software interface with a list of IR commands. The commands are: Disc-, Disc+, Eject, Fast forward, Pause, Play, Random, Record, Repeat, Rewind, Stop, Track-, and Track+. Each command is preceded by a red wireless signal icon and followed by the text 'Undefined'. Above the list, there is a folder icon labeled 'XYZ DVD', a sub-folder icon labeled 'New device' with '13 warnings', and a folder icon labeled 'Yamaha'. At the bottom left of the interface, a status message 'AX-KPC 2.8 connected.' is displayed and circled in red.</p>

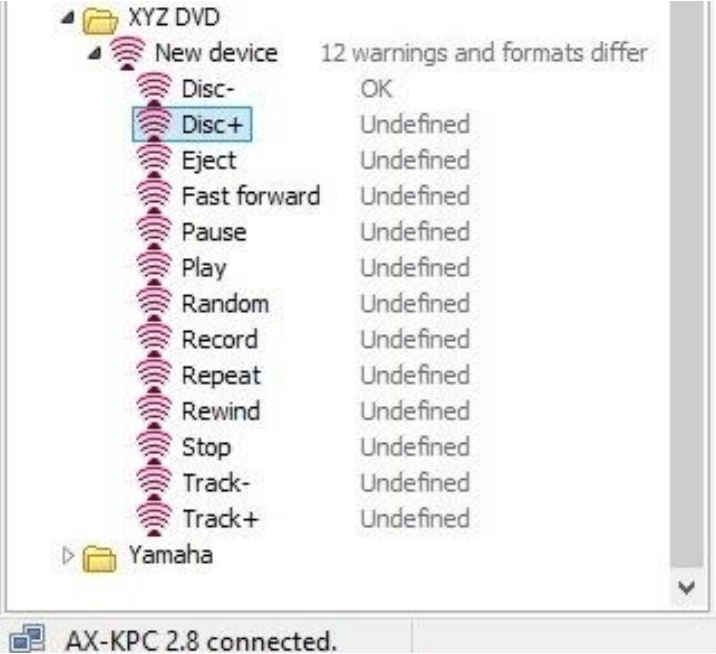
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Step	Description
10	<p>Right click on the 1st Transport command (Disc -) you want to learn the IR code into, click Learn from the menu. The Learn option will only be available for selection if either a KPC or KPD keypad is connected to your computer.</p> 
11	<p>The message below will appear prompting to press the learn button on the keypad connected to the computer.</p> 

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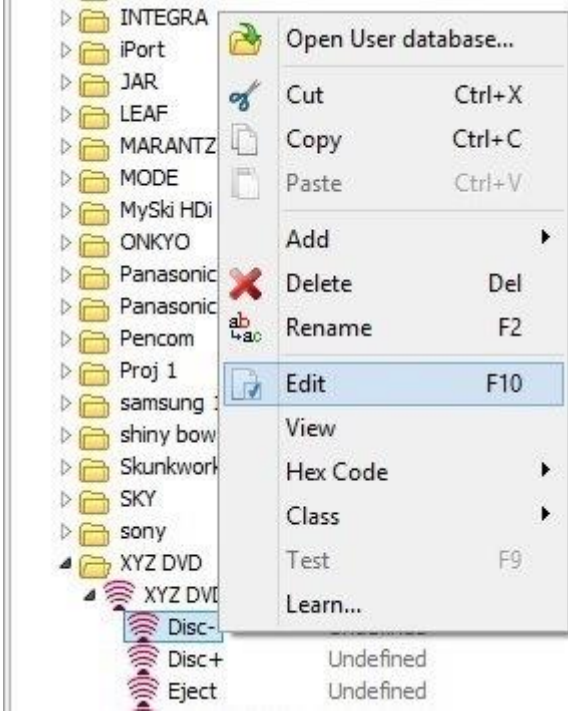
Step	Description
12	<p>The location of the learn button for the KPD is bottom right hand side of the keypad below the LCD screen and on the Top Left hand side on the KPC.</p> 
13	<p>Once you have clicked Learn from the menu in step 10, the following message will also appear on the associated Keypad.</p> <div data-bbox="520 947 1204 1041" style="border: 1px solid black; padding: 5px; text-align: center;">Press the learn button to learn a command</div> <p>Once the Learn button on the keypad has been pressed another message appears</p> <div data-bbox="520 1162 1204 1272" style="border: 1px solid black; padding: 5px; text-align: center;">Submit IR command. Press the learn button again to cancel</div> <p>Either Submit the IR command (see step 14) or cancel the operation.</p>
14	<p>Submitting the IR command to the Keypad.</p> <p>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.</p> <div data-bbox="628 1628 1098 1722" style="border: 1px solid black; padding: 5px; text-align: center;">Learn Ok</div> <p>If the message Learned Failed appears, re submit the IR code again.</p>

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Step	Description																												
15	<p>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.</p>  <p>The screenshot shows a software interface with a tree view on the left and a list on the right. The tree view includes folders for 'XYZ DVD' and 'Yamaha', and a 'New device' folder containing a list of IR commands. The 'Disc-' command is highlighted with a blue box and has 'OK' next to it. All other commands are marked as 'Undefined'. A status bar at the bottom indicates 'AX-KPC 2.8 connected.'</p> <table border="1" data-bbox="245 432 963 1084"><thead><tr><th>Command</th><th>Status</th></tr></thead><tbody><tr><td>Disc-</td><td>OK</td></tr><tr><td>Disc+</td><td>Undefined</td></tr><tr><td>Eject</td><td>Undefined</td></tr><tr><td>Fast forward</td><td>Undefined</td></tr><tr><td>Pause</td><td>Undefined</td></tr><tr><td>Play</td><td>Undefined</td></tr><tr><td>Random</td><td>Undefined</td></tr><tr><td>Record</td><td>Undefined</td></tr><tr><td>Repeat</td><td>Undefined</td></tr><tr><td>Rewind</td><td>Undefined</td></tr><tr><td>Stop</td><td>Undefined</td></tr><tr><td>Track-</td><td>Undefined</td></tr><tr><td>Track+</td><td>Undefined</td></tr></tbody></table>	Command	Status	Disc-	OK	Disc+	Undefined	Eject	Undefined	Fast forward	Undefined	Pause	Undefined	Play	Undefined	Random	Undefined	Record	Undefined	Repeat	Undefined	Rewind	Undefined	Stop	Undefined	Track-	Undefined	Track+	Undefined
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16	Follow steps 13 to 14 for each IR command to be learnt into the ADP user database.																												

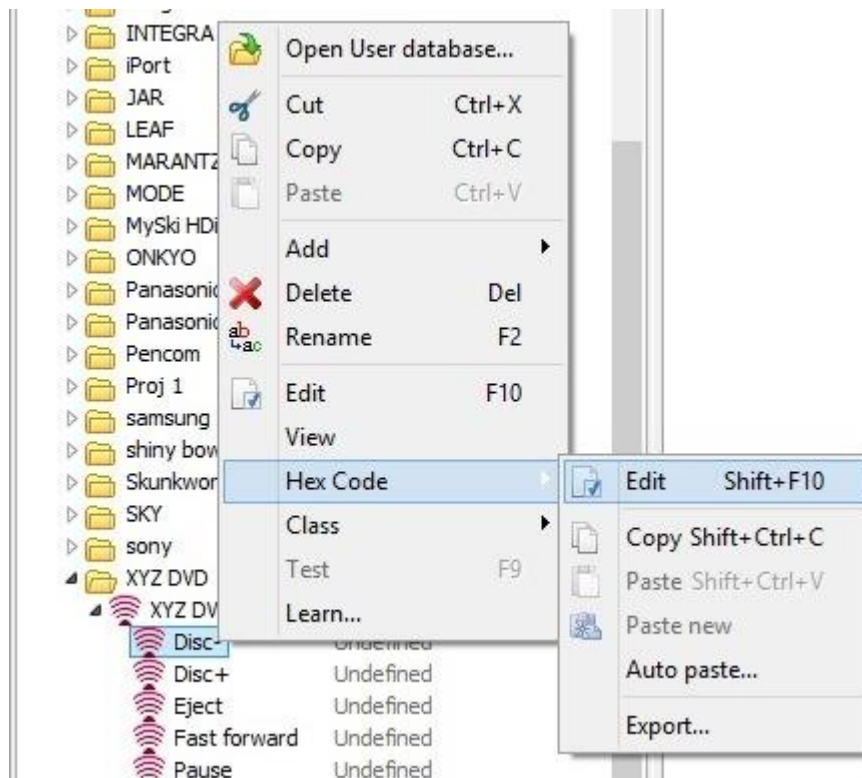
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3. Copying Hex code directly into the ADP User database

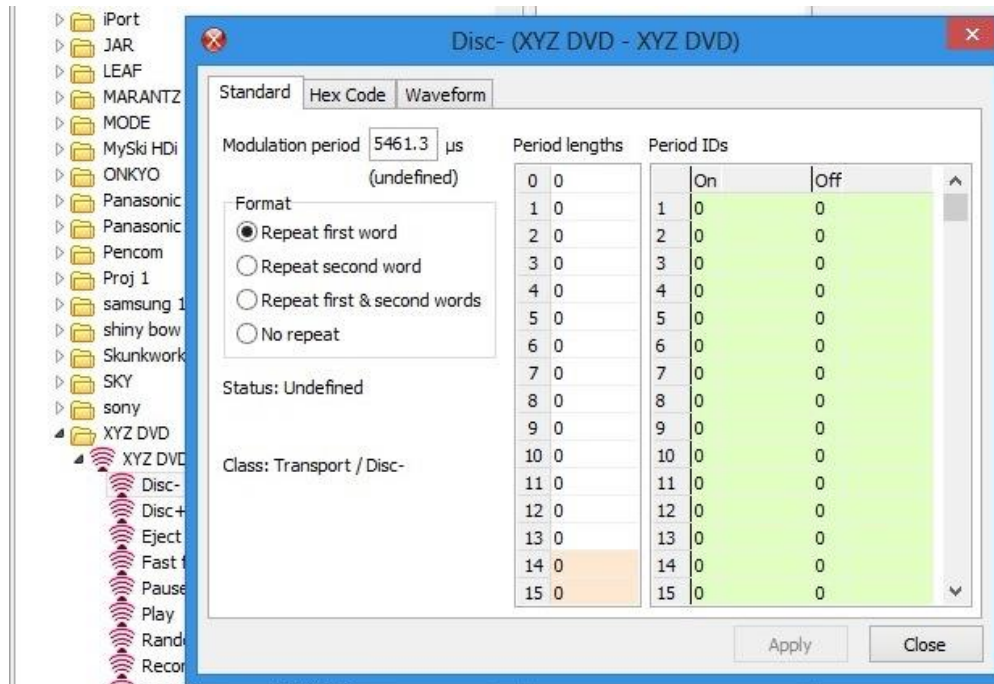
17	Follow steps 1 to 9 above in the first instance. Once you get to step 9, then follow step 17 onwards.
18	<p>Right click on the IR command you want to edit, then select Edit from the menu.</p> 

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- 19 Right click on the IR command you want to edit, then select **Hex Code** then **Edit** from the menu.



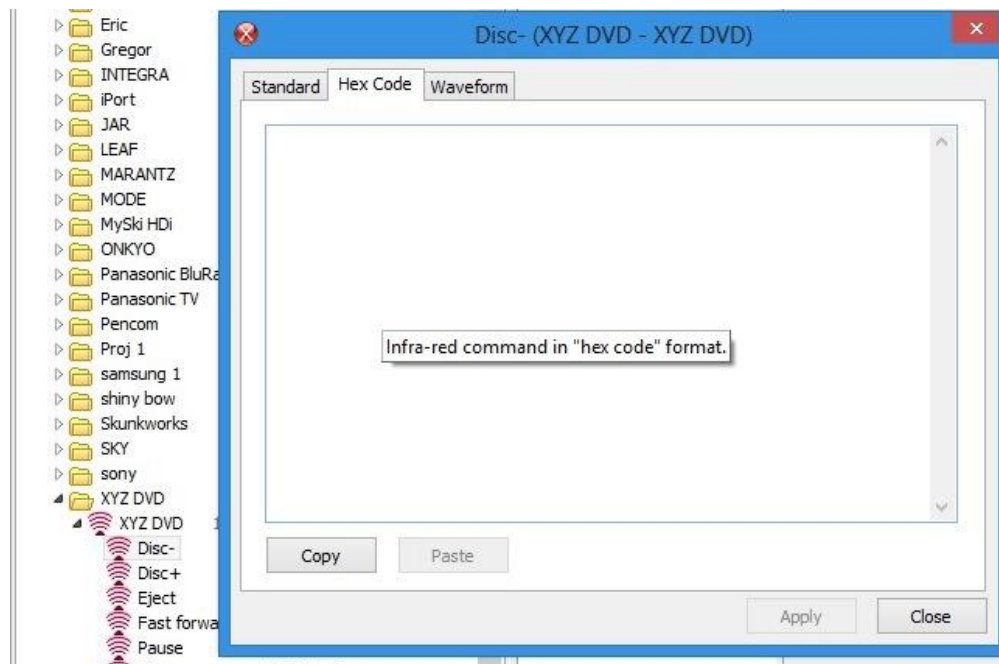
- 19 Another window appears with three tabs, select the **Hex Code** Tab.



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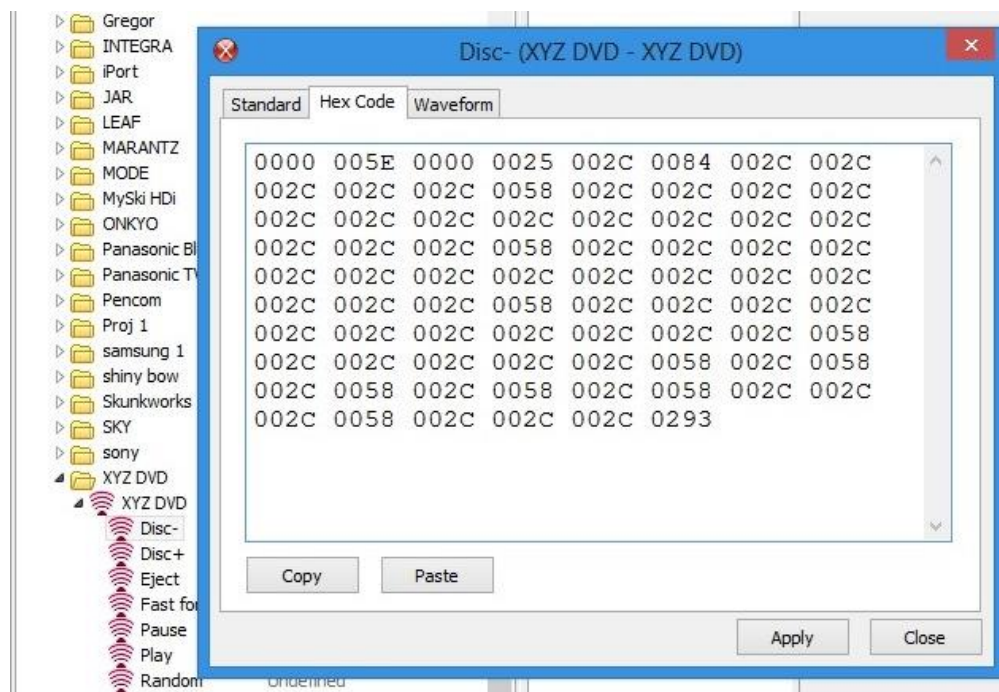
20

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.