

# **701: UOSH MiniDisc Transfer Guide**

## **CONTENTS**

### **1A NEW SET UP PROCESS (WITHOUT VIRTUAL ENVIRONMENT).....Page 2**

1A.1 Install Sonic Stage

1A.2 Download NetMD driver (don't install)

1A.3 Disable Driver Signature Enforcement on Windows 10

1A.4 Install Net MD driver

### **2 RIPPING MINIDISCS.....Page 10**

2.2 Ignore any requests with the Virtual Machine to upgrade Windows

2.3 SonicStage settings and transfer

2.4 Transfer Mode Setting - to choose the location of where to save files.

2.5 Starting the Ripping

2.6 File naming

### **APPENDIX – not in user guide for external audience**

### **1B OLD SET UP PROCESS (WITH VIRTUAL ENVIRONMENT).....Page 12**

## **1A. NEW SET UP PROCESS (WITHOUT VIRTUAL ENVIRONMENT)**

### **1A.1 Install Sonic Stage from:**

[SonicStage 4.3 Ultimate Edition - Programs - Sony Insider Forums](#)

### **1A.2 Download NetMD driver from:**

<https://archivisiondirectory.blogspot.com/2010/10/64-bit-driver-for-sony-netmd-net-md-and.html>

Select the correct driver for your model of MiniDisc player:

In the case of UOSH it's **NetMD MZ-RH1 and later (HiMD)**

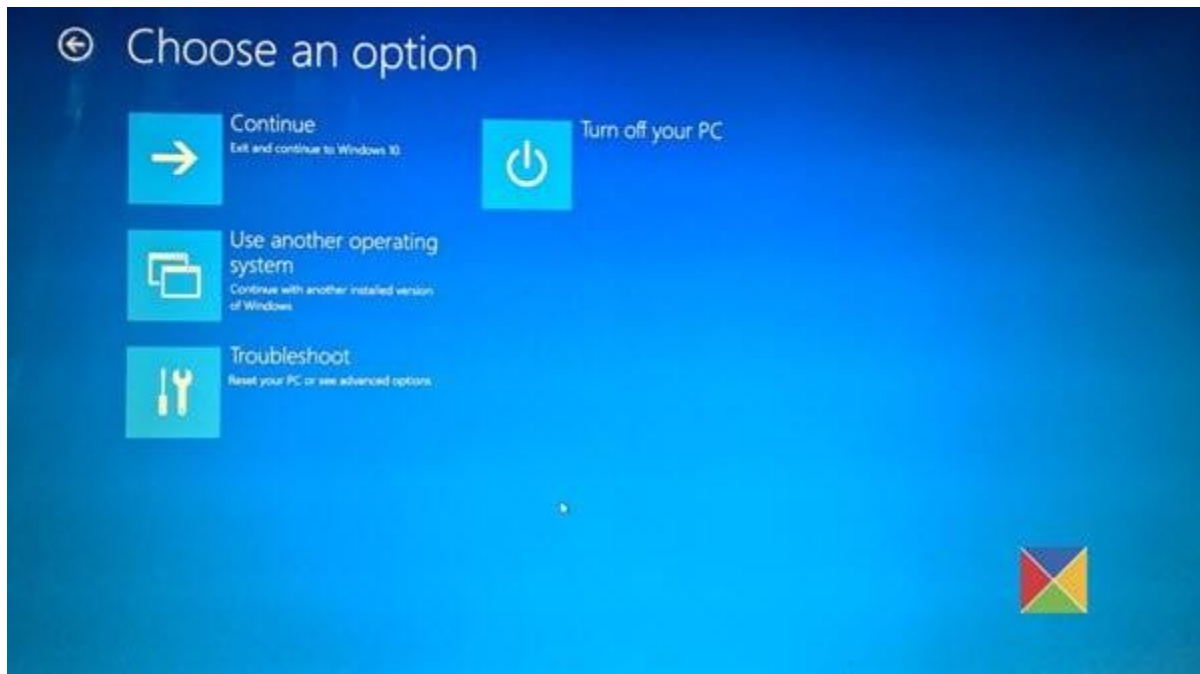
[Download NetMD USB-Drivers for your Sony MiniDisc to work on 64 bit versions of Winows \(archivisiondirectory.blogspot.com\)](#)

After download extract the zip folder so your driver is in a folder ready

### **1A.3 Disable Driver Signature Enforcement on Windows 10**

Then there is an important step for Windows 10 so that you can allowed the permission to install this non-Microsoft approved driver. To do this you use the Advanced Boot Menu:

Hold down the Shift key while choosing the "Restart" option in Windows. Your computer will restart with Advanced Options. From the list of options displayed, select the "Troubleshoot" tile.



Next, select "Advanced options" and hit the "Startup Settings" tile.



Next, select the "Restart" button to restart your PC on the Startup Settings screen.



You will see the following screen on restart. Press the **7** keyboard key to activate the “**Disable driver signature enforcement**” option.



Once done, your PC will reboot with driver signature enforcement disabled, and you’ll be able to install unsigned drivers.

## 1A.4 Only now install NetMD driver

Once you have successfully disabled the driver enforcement plug in your Mini Disc

Go to the Device Management section on your computer.

Go to Universal USB, Right click on NetMD (flagged with a red ' ! ' ) and update drivers.

Browse my computer for driver software.

Go to the unpacked folder where you unpacked the ZIP-file.

Follow the rest of the procedure.

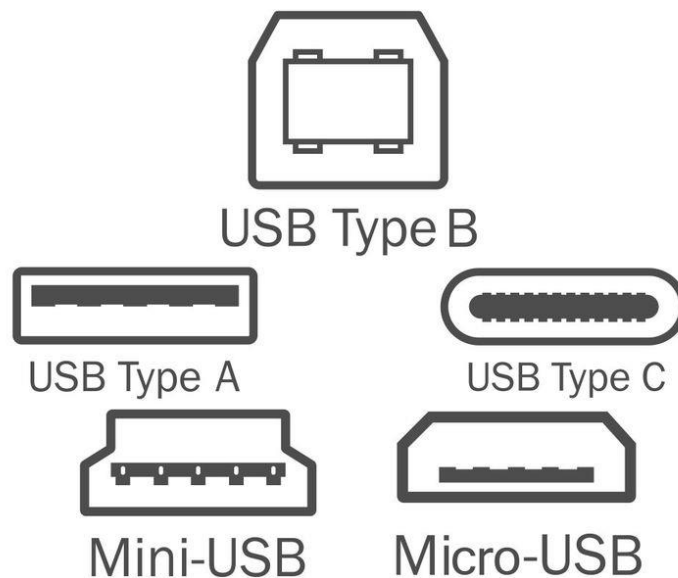
Restart your computer.

If you now open Sonic Stage 4.3, after restarting your computer, you will see that you are now can make a connection with your NetMD.

**NB: Once you've successfully installed using this method, go to Section 2 'Ripping MiniDiscs.'**

## 2. RIPPING MINIDISCS

One thing to consider is purchasing new cables to use with your vintage MiniDisc player. The cable type is USB Type A to Mini-USB.



Also it's best not to overload your processor by performing any other tasks on your computer whilst ripping MiniDiscs. Any overload can cause corruption in the files copied over.

At Northwest Sound Heritage Hub we use a SONY MZ-RH1 player.

To open the MiniDisc player, press the silver button on the left to open or eject the MiniDisc itself:



Check the right-protection tab has not been set as this prevents you copying the files:

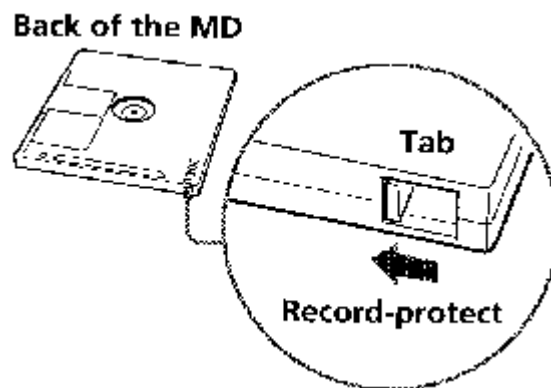
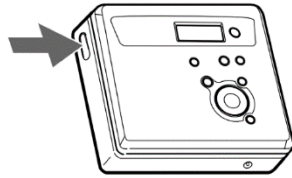


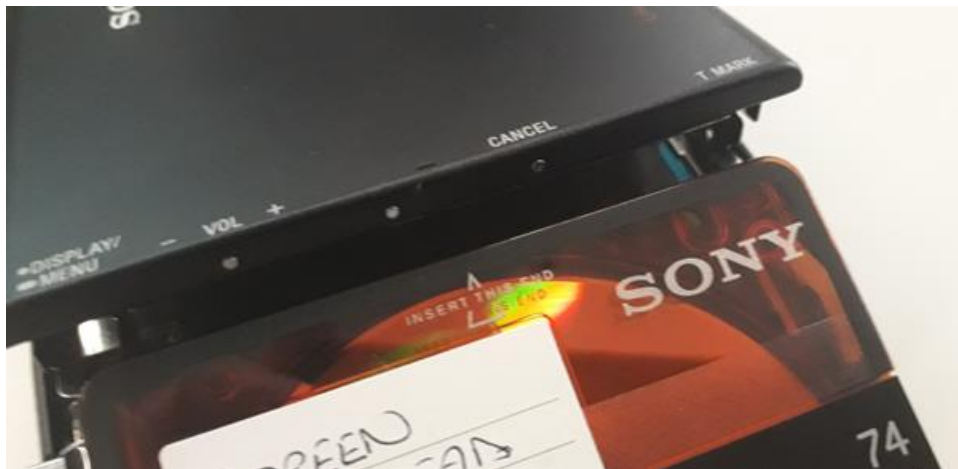
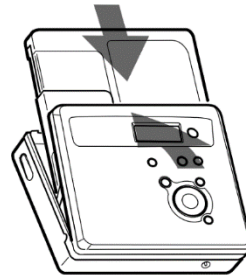
Image of the Record-protect tab on. Move this tab to the right to switch it off

Next insert a MiniDisc (the Disc has **Insert this end** with a direction arrow):

① Press **OPEN** to open the lid.



② Insert an MD with the label side facing front, and press the lid down to close.




In Sonic Stage you can check that the disc is being recognised as **Net MD** will appear as an option on the top right of the screen. Also the player itself may have lights on the display.



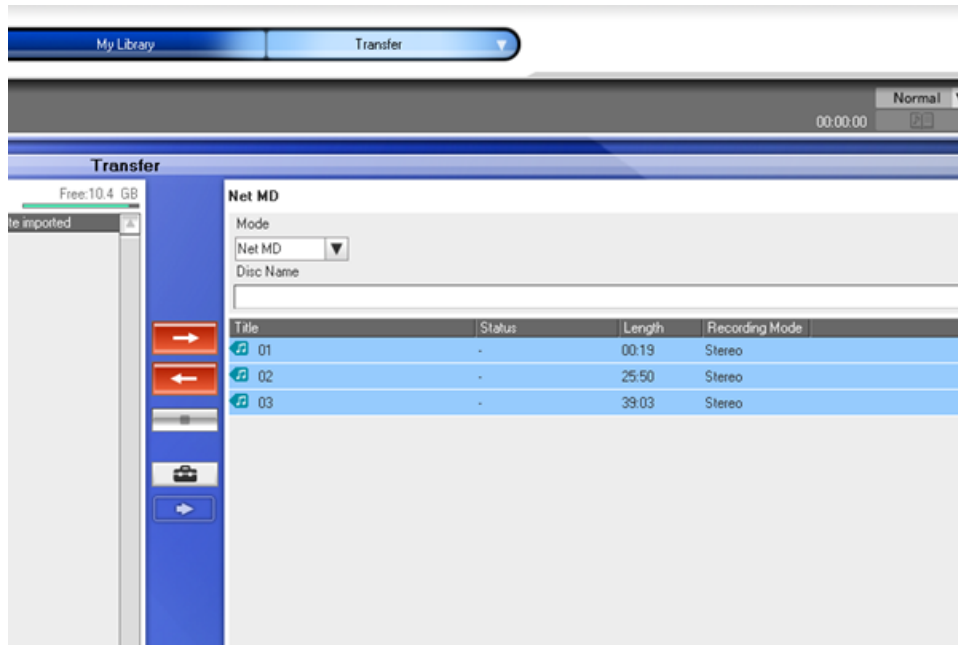
Open the arrow **Transfer button > Net MD**



The MiniDisc tracks should load on the right-hand side of the screen.

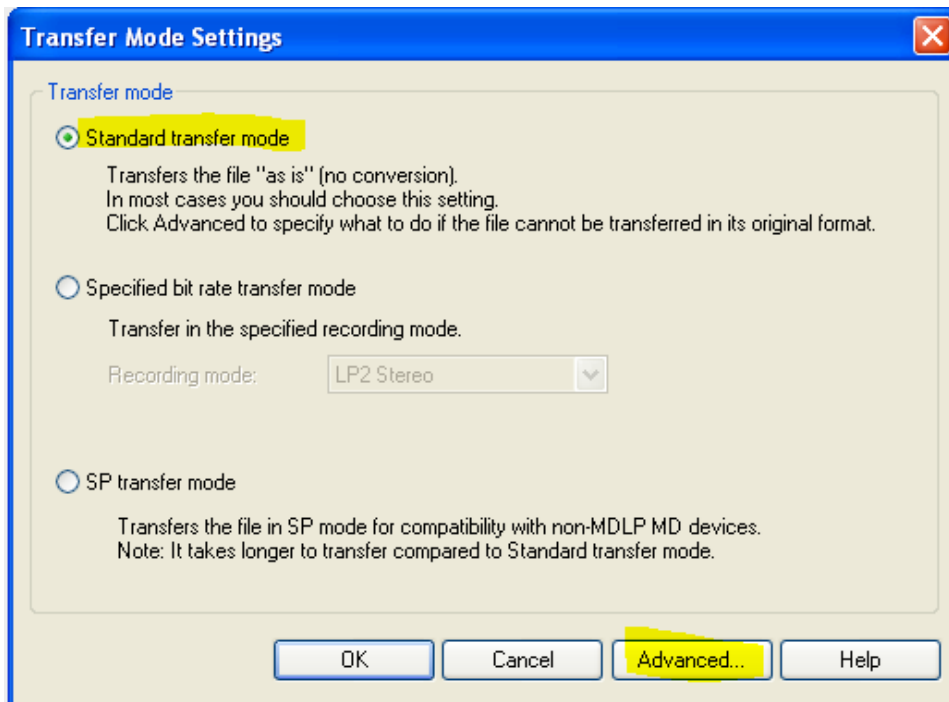
If there are multiple tracks select them all (**CTRL A**) and then click the suitcase button  near the centre of the screen. See image below:



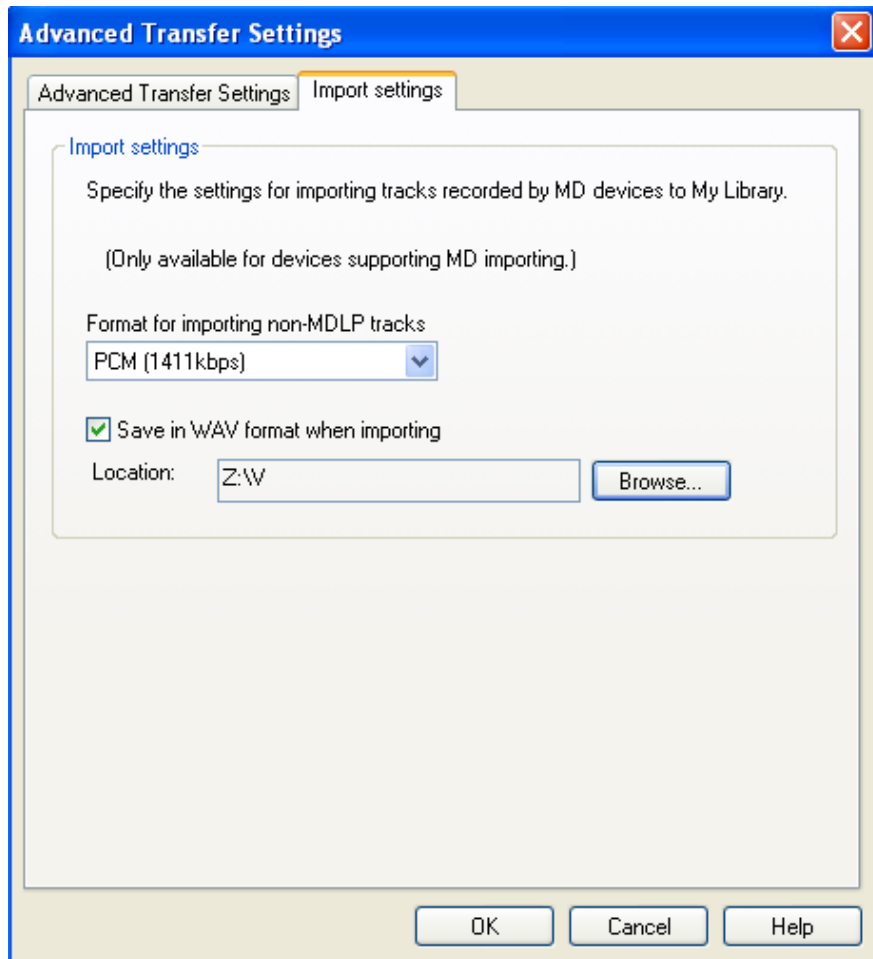


## 2.4 Transfer Mode Setting - to choose the location of where to save files.

Select **“Standard transfer mode”**. Press **“Advanced”** and go to **“Import settings”** tab.



Ensure that **“Save in WAV format”** is selected. Click **“Browse”** and create a destination inside either the USB (laptop route) or Optical Rips drive (Sound Studio Synology software)



Navigate to the Optical Rips drive or your USB and create a folder for each disc named after the MD.

## 2.5 Starting the Ripping

Again confirm all the MD tracks are loaded and selected in the right hand side window.

## 2.6 File-naming

Think about how you want to preserve the files you have transferred. Often music recordings will be saved as one file per track performed. Some oral histories may be only one file per disc but we have seen some with more than 100 tracks, seemingly starting and ending at random!

Do the track breaks mean anything in the context of the recording? If so, preserve them separately. But you may instead choose, as we do, to stitch them together into one file for preservation or access. We do this in Wavelab or in [Shuang's Audio Joiner](#).

# APPENDIX

RECORD OF PREVIOUS PROCESS – NOT ADVICE FOR EXTERNAL AUDIENCES

**PREVIOUS SETUP (USING VIRTUAL ENVIRONMENT WORKFLOW) SKIP THIS PROCESS AND USE NEW METHOD IN 1A.**

Information provided of this process only retained as a backup plan and record of method until 2020.

## 1B.1 Install files and software

Install the approx 32GB **VMMD1** file onto your computer.

Download VM Player and Shuang's Audio Joiner on your local PC.

**[UOSH internal note: If you're a volunteer this will have been installed already - skip to Section 2 on Page 6]**

If not use local PC browser and admin password:

<https://www.vmware.com/uk/products/workstation-player/workstation-player-evaluation.html>

<https://www.softpedia.com/get/Multimedia/Audio/Audio-Editors-Recorders/Shuang's-Audio-Joiner.shtml>

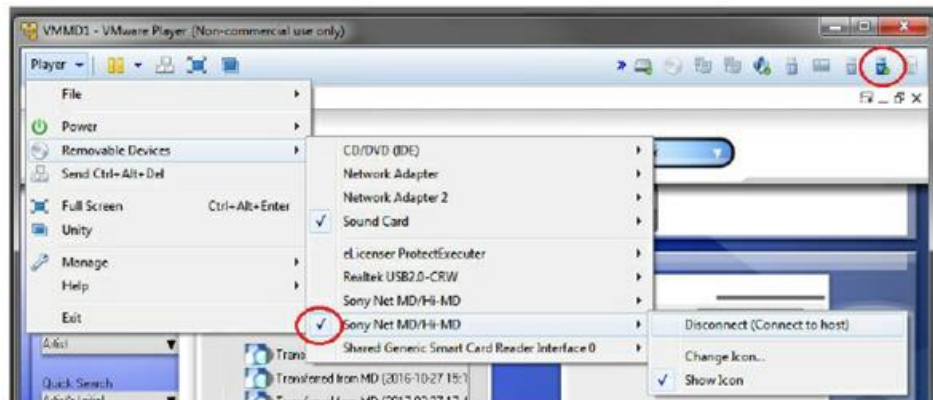
## 1B.2 Virtual machine settings

Connect the MiniDisc player

To set up the Virtual Machine so that it recognises the Mini Disc player when you plug is in and not the local computer (host) open player and select:

**Player > Removable Devices > Sony Net MD/Hi-MD**

[see image overleaf]



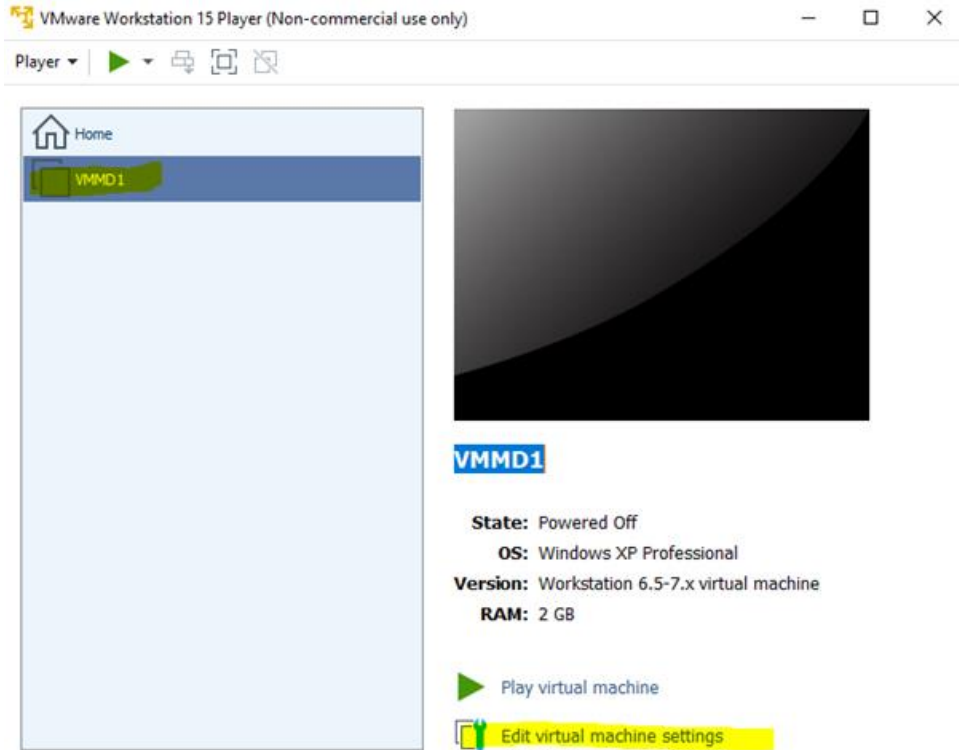
**1B.3 Opening VMware Workstation 15 Player (Non-commercial use only)** this icon which is pinned to the taskbar:



Next you need to set the Virtual machine so that it writes the files you are creating outside of this virtual environment. In this case this could be the USB drives provided with the laptops or on the sound studio PCs to the mapped

**Select 'VMM01' then 'Edit virtual Machine settings'.**

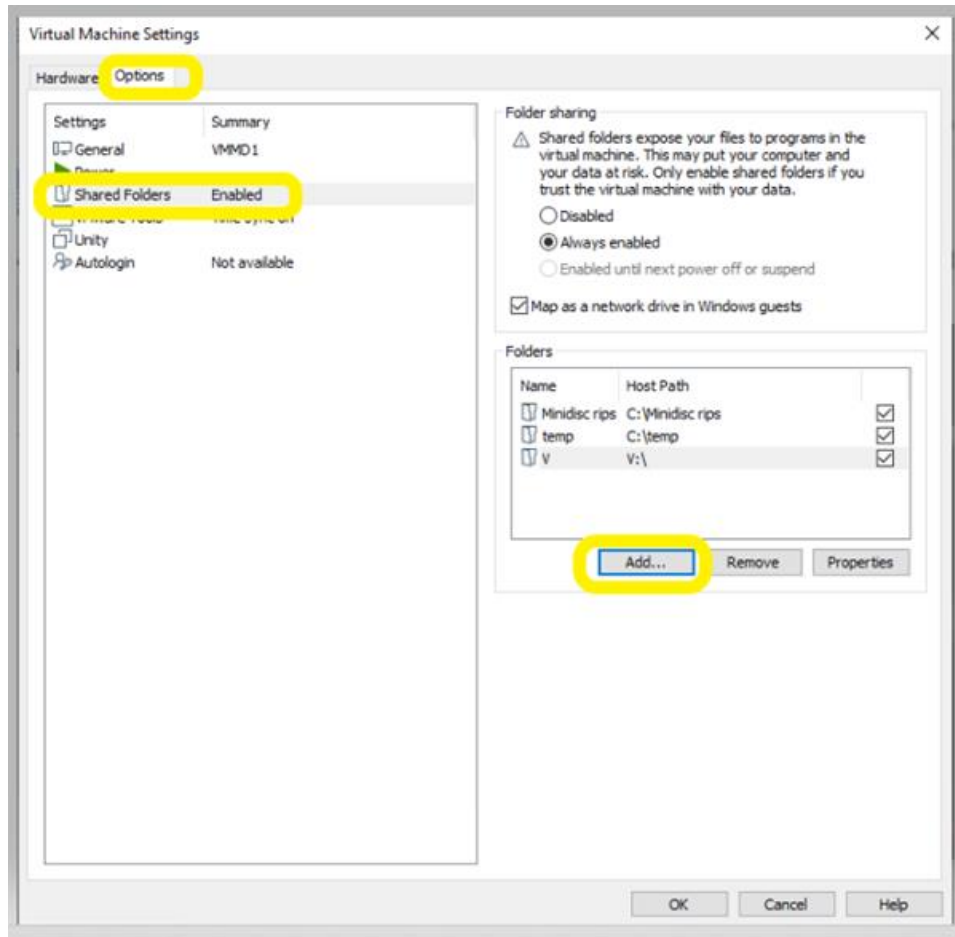
[see image overleaf]



Then select the **Options tab > Shared folders >** and **ADD** the select the **Optical Rips** share on the NAS (Synology server).

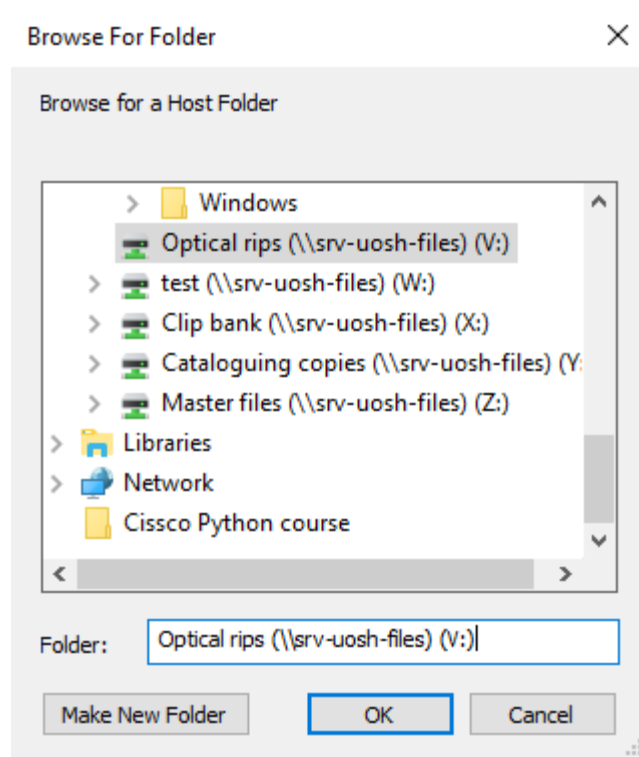
[If you are using a laptop please write to USB and create a folder for all rips]

[see image overleaf]



When you click **Add** use this menu to navigate to **Optical Rips**

[NB the 'Add' button will be greyed out if a Virtual Machine is already running/suspended from last time, open the machine (see page 6) and close selecting to Power off]



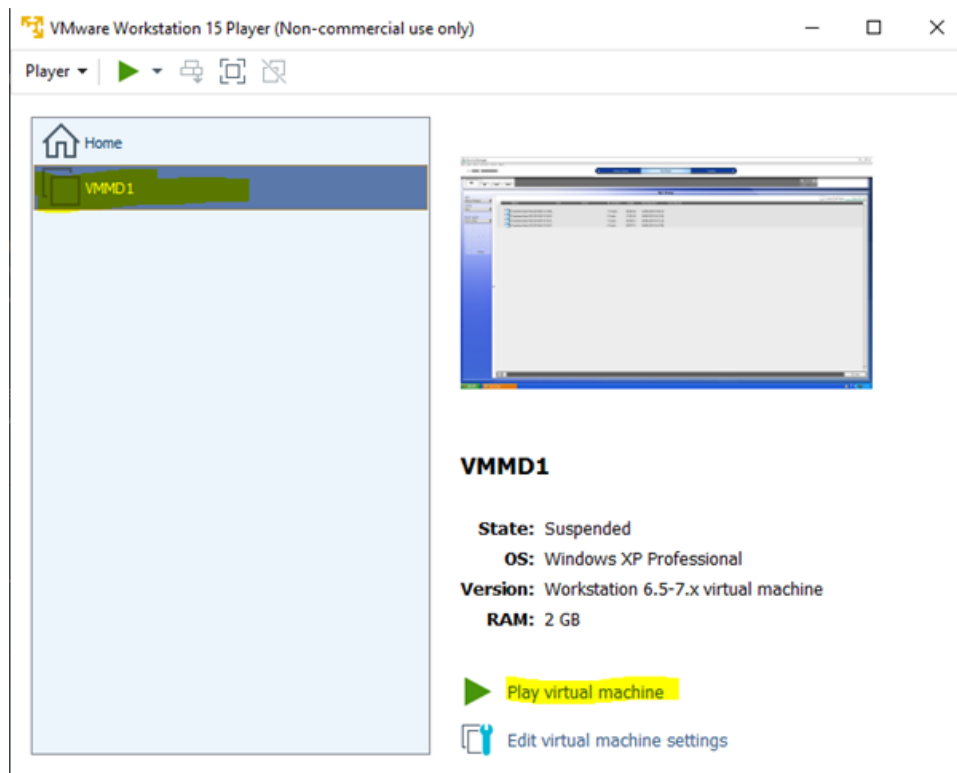
**Enable share** and click **FINISH**



**1B.4** Open **VMware Workstation 15 Player (Non-commercial use only)** this icon which is pinned to the taskbar:

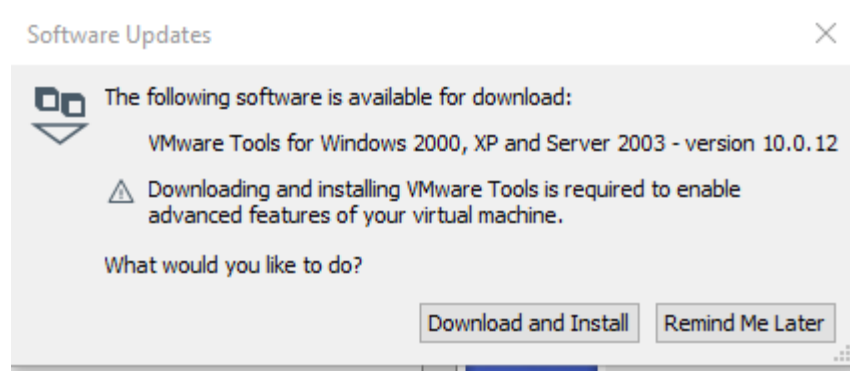


Then select **VMMD1** and then **Play virtual machine**.



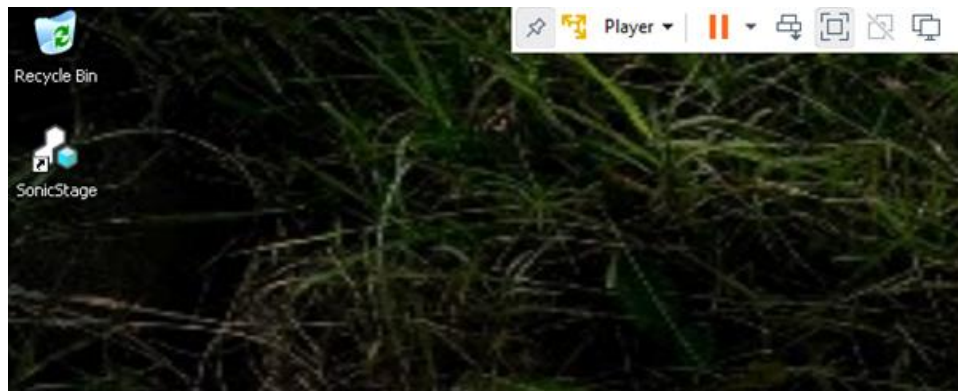
If the last session was suspended (which is preferred) rather than shutdown you will get a message will it loads saying: **Restoring virtual machine state**.

**1B.5 Ignore any requests with the Virtual Machine to upgrade Windows**



Just cross this update request off.

### **1B.6 SonicStage settings and transfer**



Open **SonicStage** from the shortcut on the Virtual Machines desktop. The Virtual Machine is running an old version of Windows XP so that the Sony proprietary software can still run.

Make sure your MiniDisc is connected and load a MiniDisc into the player. [NB: The player draws its power from the one lead to the computer.]

If this message appears on connect select **Connect to a Virtual Machine** and click to remember your choice for next time:

See picture below:

