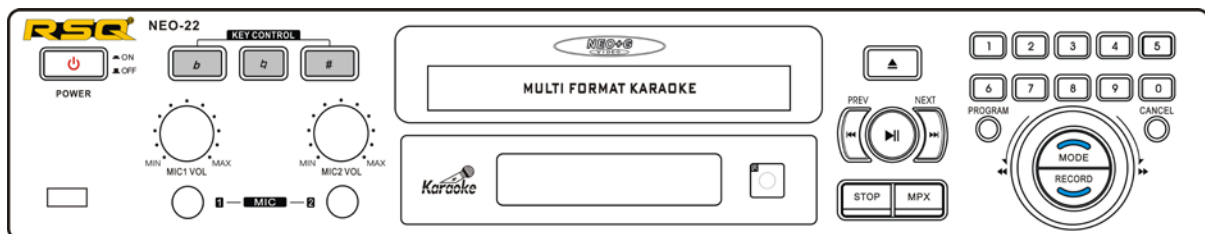


RSQ[®]

NEO-22 Multi Format Karaoke Player with Ripping & Recording Function

USER'S MANUAL





Safety Warnings

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APRARAT
PRODUCTO LASER CLASE1

CLASS 1 LASER PRODUCT

This player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL		



This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.



This symbol alerts you to important operating and maintenance instructions accompanying the unit.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

Precautions

Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base(furniture), with enough space around it for ventilation(7.5~10cm). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the Player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.

During thunderstorms, disconnect AC main plug from the wall outlet.
Voltage peaks due to lightning could damage the unit.

Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.

Protect the player from moisture(e.g. vases), and excess heat(e.g. fire place) or equipment creating strong magnetic or electric fields(e.g. speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.

Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold temperatures.

If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.

The battery used with this product contain chemicals that are harmful to the environment.
Do not dispose of batteries in the general household trash.

Handling discs

Do not touch the playback side of the disc.

Hold the disc the edges so that fingerprints will not get on the surface.

Do not stick paper or tape on the disc.

Do not fall or impact the disc



Storing discs

After playing, store the disc in its case.

Do not expose the disc to direct sunlight or sources of heat, or leave it in a parked car exposed to direct sunlight, as there may be a considerable temperature increase inside the car.



Cleaning discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion.

Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.

Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.



Handling the Unit

When setting up the unit, the picture and sound of a nearby TV, or radio may be distorted during playback. In this case, position the unit away from the TV, or radio, or turn off the unit after removing the disc.

Cleaning the unit

To clean the cabinet, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzene, or thinner, as these might damage the surface of the unit.

Before Use

Remote Control Operation Range

Point the remote control at the remote sensor and press the buttons

Distance: about 23ft(7m) from the front of the remote sensor

Angle: About 30° in each direction of the front of the remote sensor

Remote control battery installation

Detach the battery cover on the rear of the remote control and insert two AAA size batteries with + and – aligned correctly.

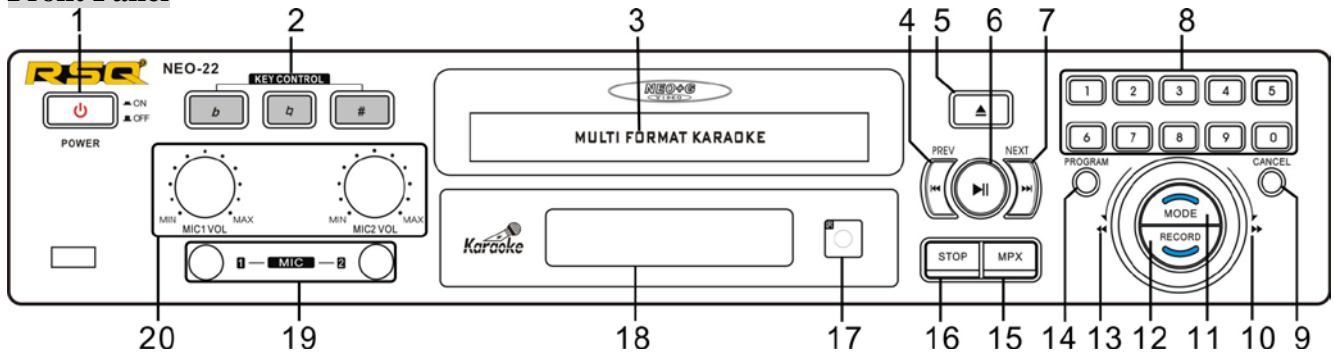
*Do not expose batteries to heat or flame

Table of Contents

● PREPARATION	
Safety Warnings-----	1
Precautions-----	2
Before Use-----	3
● DESCRIPTION	
Front panel and Rear Panel-----	4
Remote Control-----	5
● CONNECTIONS	
Connecting to the Power Supply-----	6
Connecting the Video Out to TV-----	6
Connecting the Audio Out to Amplifier-----	6
● NEO+G Karaoke Operation-----	7

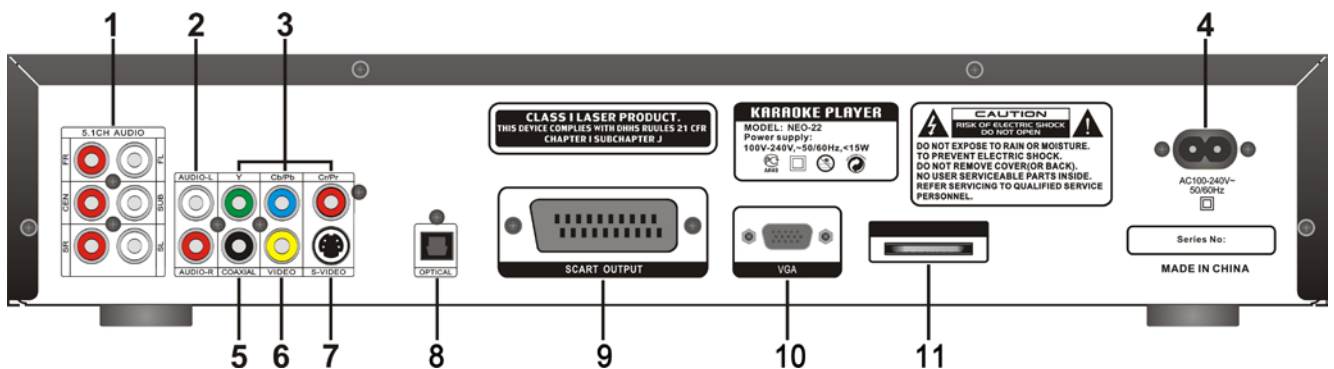
Description

Front Panel



- | | |
|-------------------|---------------------------|
| 1. POWER | 11. MODE |
| 2. KEY CONTROLLER | 12. RECORD |
| 3. LOADER TRAY | 13. FAST REVERSE |
| 4. PREVIOUS | 14. PROGRAM |
| 5. OPEN/CLOSE | 15. MULTIPLEX |
| 6. PLAY/PAUSE | 16. STOP |
| 7. NEXT | 17. IR RECEIVER |
| 8. NUMERIC(0~9) | 18. LED DISPLAY |
| 9. CANCEL | 19. MICROPHONE INPUT 1/2 |
| 10. FAST FORWARD | 20. MICROPHONE VOLUME 1/2 |

Rear Panel



1. ANALOG AUDIO 5.1CH OUT
2. KARAOKE AUDIO 2CH OUT
3. COMPONENT VIDEO OUT (Y,Pb,Pr)
4. AC POWER CORD
5. COAXIAL OUT
6. COMPOSITE VIDEO OUT
7. S-VIDEO OUT
8. OPTICAL
9. S-CART OUT
10. VGA OUT
11. 3-IN-1 INPUT

Description

Remote Control

NO	BASIC	KARAOKE
1	POWER	
2	OPEN/CLOSE	
3	VOL -/+	-Music Volume -/+ Control
4	Key b/# Control	-Key b/# Control
5	ECHO -/+	-Echo -/+ Control
6	USB/DISC	-Change the source Drive
7	MPX(Multiplex)=L/R/ST	-Vocal ON/OFF/Auto for Vocal Song with 2CH
8	AUDIO	-Vocal ON/OFF/Auto for the Vocal Song with 2 audio
9	EQ	-EQ Control
10	PLAY/PAUSE	
11	STOP	-Stop Playback
12	NUMBERS(0-9)	-Numbers & Alphabet Character Input
13	CANCEL	-Cancel of the Wrong Digit Input
14	PROGRAM	-Program of Songs
15	SONG LIST	-Open/Close of the Neo+G Song List on the Screen
16	NUMBER INPUT	-Input the Neo+G song's number directly
17	RECORD	-Record singing sound with Neo+G & CD+G music
18	RIPPING	-Rip the Neo+G & CD+G disc to USB at MP3+G format
19	ARROW(◀▶)	-Song List Page UP/DOWN
20	ARROW(▲▼)	-Song List Line UP/DOWN
21	ENTER=PLAY	-Play Songs (=PLAY)
22	RETURN	-Return to the previous step on the file list
23	MENU	-Creating of Neo+G/ MP3+G/AVI Song List into USB at TXT format(SONGLIST.TXT)
24	CUE/PASS	-Jump to the beginning of the Video
25	REPEAT	-Repeat One/All/Off
26	FAST REVERSE(◀◀)	
27	FAST FORWARD(▶▶)	
28	PREVIOUS(◀◀)	-Skip to the Previous Song
29	NEXT(▶▶)	-Skip to the Next Song
30	PBC	
31	INFO	
32	GOTO	
33	ZOOM	
34	TITLE	
35	A-B	
36	SUBTITLE	
37	ANGLE	
38	SETUP	
39	STEP	
40	SLOW	
41	V-MODE	Video Mode Change(S-Video/ Interlaced YUV/ TV RGV/ P-SCAN YPbPr/ PC VGA in both NTSC and PAL system)
42	MUTE	

Connections

Connecting to the Power Supply

Plug the main lead (marked AC Cord on the rear of the player) into an appropriate socket
 Press the Power button to switch your Player on.
 The present product can be used under the AC 100~240V~. 50/60Hz

<NOTE>

- Before plugging your player into a main socket, you must check the voltage.


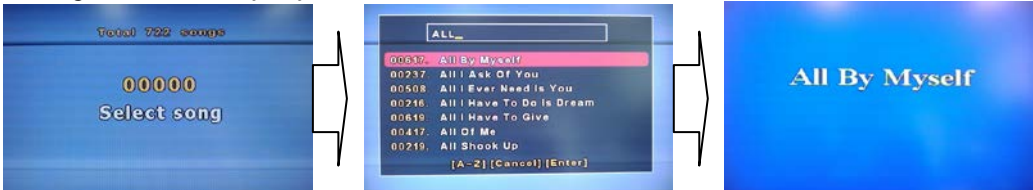
Connecting the Video Out to TV

	<p>METHOD 1, COMPONENT(Progressive Scan) Connect a component video cable from the Pr, Pb and Y jacks on the back panel of the player to the corresponding jacks on your television. This outputs monochrome(Y), Blue(Pb) and Red(Pr) separately and produces the best quality image of 1080P.</p> <p>METHOD 2, COMPOSITE VIDEO Connect the supplied video cable from the VIDEO OUT jack on the player to the VIDEO IN jack on your TV.</p> <p>METHOD 3, S-VIDEO Connect the S-Video out jack on the back panel of the player to the S-VIDEO in jack on the TV using the S-Video cable</p> <p>METHOD 4, S-CART Connect the S-CART out jack on the back panel of the player to the S-CART in jack on the TV using the S-CART Cable(not provide)</p> <p>METHOD 5, VGA Connect the VGA out jack on the back panel of the player to the VGA in jack on the Monitor using VGA Cable.</p>
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Connecting the Audio Out to Amplifier

	<p>Connection to a 2CH amplifier</p> <ul style="list-style-type: none"> ✓ 2CH Analog Karaoke Audio Output Please connect RCA CABLE from AUDIO L/R terminals on the rear of the player to the AUDIO IN (RED and WHITE) terminals of the Amplifier.
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MP3+G / NEO+G Karaoke Operation

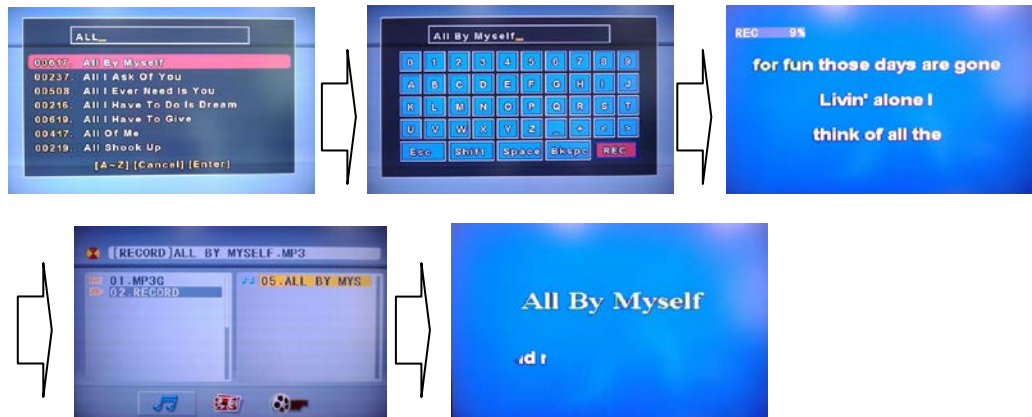
PLAYING NEO+G DISC:	<ul style="list-style-type: none"> ✓ Insert a Karaoke Disc(NEO+G/MP3+G) into the Tray of the player. ✓ Select a desired song with “SONG NUMBER INPUT” or with “SONG LIST WINDOW” ✓ Press PLAY/PAUSE or ENTER button to start play. ✓ To stop playing Karaoke Music, press STOP button.
MICROPHONE SETTING:	<ul style="list-style-type: none"> ✓ Connect the microphone to the MICROPHON INPUT JACK on the front panel. ✓ Turn the MIC VOL 1 & 2 to adjust the voice volume of the Micro phone.
MIC VOLUME:	You can adjust the microphone volume level with “ MIC VOL 1&2 ” knobs.
ECHO (+/-):	You can adjust the echo level of voices with “ ECHO +/- ” keys on the Remote Control.
VOLUME (+/-):	You can adjust the audio volume level with “ VOLUME(+/-) buttons on the remote control.
SONG SEARCH	<p>WITH NEO+G SONG'S NUMBER:</p> <ul style="list-style-type: none"> ✓ Insert the NEO+G Karaoke Disc or USB/CARD into the player. ✓ Input desired Song's Number with the NUMERIC(0-9) keys on the remote control. ✓ Press ENTER or PLAY key to start play ✓ To stop playing Music, press STOP key. ✓ To delete wrong number input, press CANCEL key.  <p>WITH SONG LIST ON THE SCREEN. At the “Select Song” mode, press “SONG LIST” key to display all SONG LIST in the disc on the Screen.</p> <ol style="list-style-type: none"> ① Input ALPHABET of Song's Title with NUMERIC(2-9) keys on the remote. ② After select a desired song and press PLAY or ENTER key to start play. ③ To stop playing music, press STOP key. <p>Eg) Search “All By Myself”, “ALL BY MYSELF” as follows;</p> 
NUMERIC(0~9):	<ul style="list-style-type: none"> ✓ You can use to input a desired SONG NUMBER on the Select Song mode. ✓ You can use to input ALPHABET of the Song Title on the SONG LIST.
CANCEL:	You can remove the Wrong Number input.
KEY +/- :	Press ‘ KEY +/- ’ to modify the KEY of the music to match your vocal.
EQ(Equalizer):	Press “ EQ ” button repeatedly to select EQ mode from “ CLASSIC/ ROCK/ JAZZ/ POP/ USER/ STANDARD ”.
MPX (MULTIPLEX)	You can cancel the Vocal sound in Left or Right Channel of Music.
AUDIO	You can cancel the Vocal sound in Dual Audio of VOB or AVI files.
REPEAT:	<p>Press REPEAT to change the repeat mode of reserved song by ALL, ONE, RANDOM and OFF.</p> <ul style="list-style-type: none"> ✓ ONE: Repeat the current played song until press stop button. ✓ ALL: Repeat all songs continuously until press stop button. ✓ OFF: Repeat Off

MP3+G/ NEO+G Recording & Ripping

RECORDING OF SINGING: (NEO+G, MP3+G)

You can record your singing sound & graphics with Neo+G & MP3+G songs into USB/CARD at MP3+G format.

- ① Please connect a **USB/CARD** and **Microphone** into the Player in advance and play a **NEO+G or MP3+G song from Disc or USB/CARD**.
- ② After select a desired song on the all **NEO+G/MP3+G SONG LIST**, press **“RECORD”** key to start recording into **USB/CARD**.
- ③ Your Singing Sound, Music and Graphic of **NEO+G/MP3+G Music** will be saved at **“RECORD”** folder in **USB/CARD** at **MP3+G format**.
- ④ To stop recording, press **“STOP”** key.
- ⑤ After recording finished, enter the **“RECORD”** folder in **USB/CARD** and can re-play the recorded **MP3+G files** from **“RECORD”** folder.

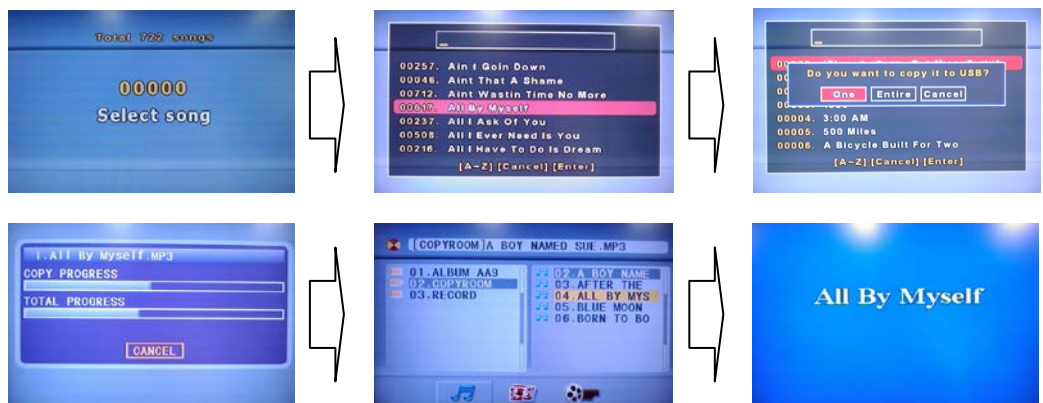


NEO+G/ MP3+G Disc Ripping


You can rip the **NEO+G/ MP3+G Disc** with **High speed (8X)** into **USB/CARD** at **MP3+G format** including **Music and Graphics**.

- ① After connect a **USB/CARD** with the Player in advance and insert a **NEO+G Disc** to the Player.
- ② Press **“SONG LIST”** key to display the all **NEO+G SONG LIST**.
- ③ After select desired song **on the NEO+G/ MP3+G SONG LIST**, press **“RIPPING”** key
- ④ When **“Do you want to copy it to USB or CARD?”** displayed, select **“ONE or ENTIRE”** to start Ripping or select **“CANCEL”** to cancel Ripping.
 - ✓ **ONE**: You can rip only one song only.
 - ✓ **ENTIRE**: You can rip from a selected file to the end file entirely.
- ⑤ The Ripped song will be saved at **“DISC TO MP3G”** folder in **USB/CARD** at **MP3+G format**.
- ⑥ If want to rip more **NEO+G songs**, please repeat from step ② to ④.

After Ripping finished, press **“USB/DISC”** key to enter the **USB/CARD mode** and you can re-play the ripped files at **“DISC TO MP3G”** folder in **USB/CARD**.



Karaoke Operation

<p>CD+G Disc Ripping</p>	<p>You can rip the CD+G Disc with High speed (4X) into USB/CARD at MP3+G format including Music and Graphics.</p> <ol style="list-style-type: none"> ① After connect a USB/CARD Card into the Player in advance, insert a CD+G Disc to the player. ② Press “RIPPING” key at stop or playback mode. ③ Set the ripping OPTION such as “SPEED(1X-4X)/ BITRATE/ ID3 TAG/ PLAYLIST”. ④ Then select desired TRACK of the CD+G Disc. ⑤ Then, select START and press ENTER to begin Ripping. ⑥ During the Ripping, you can change the Ripping Speed between 1X and 4X. ⑦ When the Ripping done, select QUIT and press ENTER to Exit ripping mode. ⑧ The Ripped song will be saved at “DISC TO MP3G” folder in USB/CARD at MP3+G format with following file name order automatically.. E.g) TRKAAA01 TRKAAA02 TRKAAA10 etc. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>*AAA: It means the Disc ID and it will be changed according to each CD+G disc. *Number(01, 02...etc): It means the Track No. of each CD+G Disc.</p> </div> <ol style="list-style-type: none"> ⑨ After Ripping finished, press “USB/DISC” key to enter the USB/CARD mode and you can re-play the ripped files from “DISC TO MP3G” folder in USB/CARD. ⑩ If want to rip more CD+G Disc, please repeat from step ① to ⑦. 
<p>SONG LIST CREATING (NEO+G/MP3+G/ AVI)</p>	<p>You can create the SONG LIST of NEO+G/ MP3+G/ AVI files in DISC/USB/CARD into USB/CARD at TEXT(SONG LIST.txt) format and you can make the SONG BOOK with this file.</p> <p>[In case of NEO+G/ MP3+G files]</p> <ul style="list-style-type: none"> ✓ Please open “SONG LIST” by pressing “SONG LIST” key at the stop mode of NEO+G/ MP3+G Disc/USB/CARD. ✓ Then, press “MENU” key to create “SONG LIST.txt” file at USB/CARD. <p>[In case of AVI files] Press “MENU” key directly on the AVI file list to create “SONG LIST.txt” file at USB/CARD.</p>
<p>PROGRAM (NEO+G/MP3+G/ AVI)</p>	<ul style="list-style-type: none"> ✓ Press “PROGRAM” key in stop mode and input the desired NEO+G File Number one by one and press “PLAY” to start playing in programmed order. E.g.) If want to program NEO+G File Number 00001, 00200, 00450 in order, press “PROGRAM + 00001, +00200, +00450 and PLAY”. ✓ To terminate the program playback, press “PROGRAM” key in STOP mode and click “CLEAR” Icon on the TV Screen. Or OPEN and CLOSE the disc tray.

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NEO-22

Multi Format Karaoke Player with Ripping & Recoding Function

SUPPLEMENTAL INSTRUCTIONS FOR LARGE SONG LIBRARIES



Large Song Library Recommendations

Make sure your external device is formatted in FAT32, in Windows Vista and Windows 7 xFAT will not work. You can look for freeware utilities available online to format your external media to FAT32.

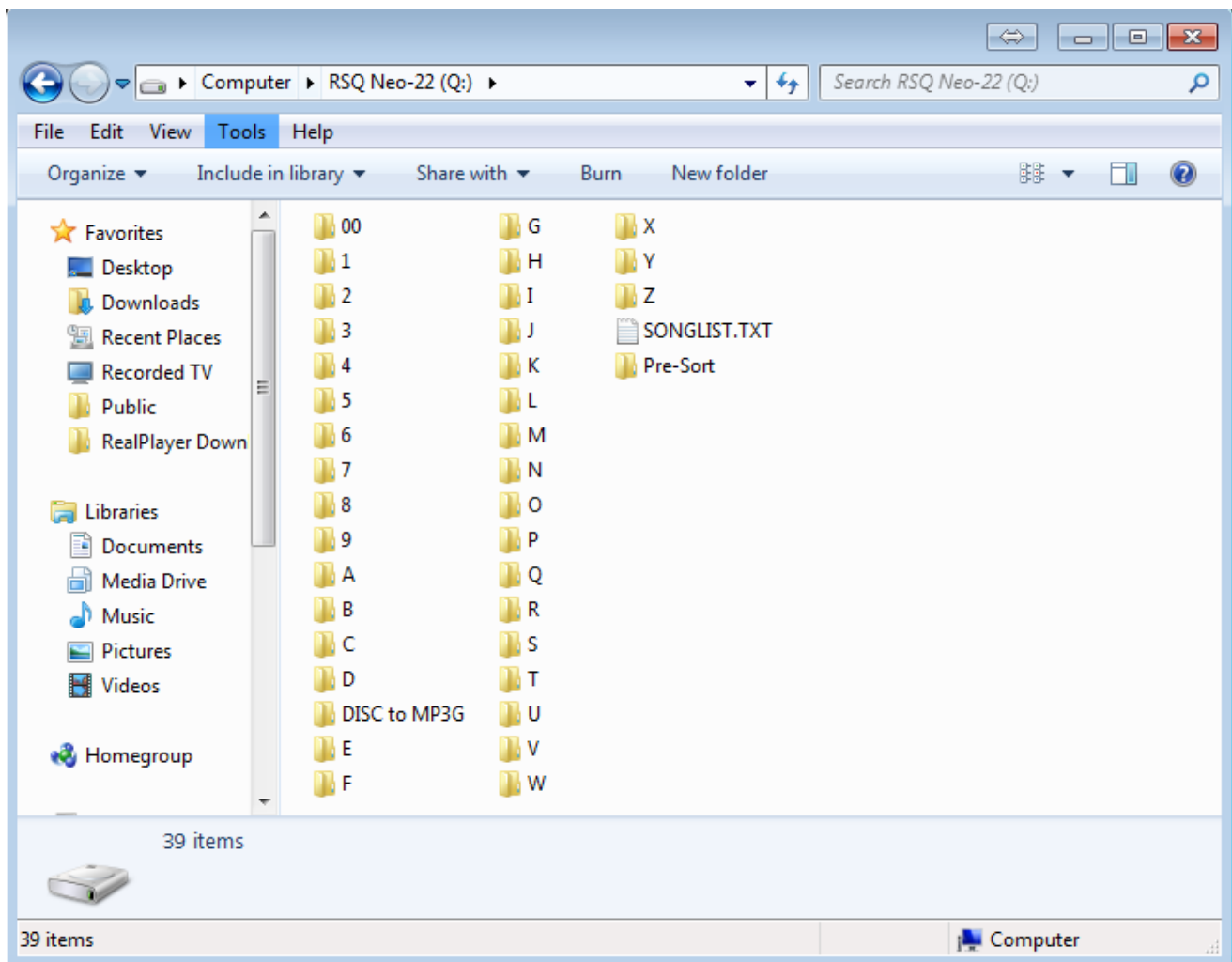
If you are using an external device like a hard drive, make sure it does not “go to sleep” as this will cause the player to stop recognizing it.

RIP your music using the NEO-22 to the DISC to MP3G directory created by the player.

Copy the MP3+CDG files to the Pre-Sort directory which you create. Next you would create a folder for each letter of the alphabet and each number (See picture), now that all of your content is in the Pre-Sort directory, sort it in alphabetical order. Now copy the MP3+CDG that you sorted into the appropriate directory, thus separating all of your music into the folder that matches the first letter of the filename. I.e; My Heart will go on” would go into the “M” directory and so on.

For faster load time, try to keep your folders to a maximum of 500 songs or 1,000 files. If you have more than 500 songs for a particular letter, create an alphanumerical folder: ie: A, A-1, A-2, etc...

Keeping in mind that you want to presort the songs in alphabetical order before you move the files to the separate folders.



If you need to rename large number of files: ie: adding an artist's name etc. We recommend freeware software like the one mentioned below:

Bulk Rename Utility is an easy to use file rename program (a.k.a. file renamer). Renaming multiple files has never been easier! It has a small memory *footprint* so it can be left running all the time without consuming all your memory. It started as a freeware Visual Basic tool, but as its popularity has grown it has been completely rewritten in C++ to be robust and lightweight - and very, **very fast!** It can easily handle folders/discs containing well over **100,000** entries... and it can batch rename **1,000s** of files in seconds.

The software is freeware and gets downloaded very frequently. It has a large base of regular users. Most of the features have originated from other users' suggestions. As such, it is continually being enhanced and improved.

As well as being "*recommended*" by a number of web sites, *Bulk Rename Utility* has also appeared on many magazine cover-discs, from Brazil to Sweden.

http://www.bulkrenameutility.co.uk/Main_Intro.php

Finally, do not unplug the hard drive unless it's turned off, unplugging your external media without powering it off, could cause damage to it and to your NEO-22.

Keep in mind that sorting your library takes time and effort, so backup your work on another media is case of hardware failure.