

The X50 Official Firmware Release Note (R0873)

- ① Release date : May 10th, 2017
- ② The version of updated firmware : R0873
- ③ Refer to the below for the contents updated from R0603 to R0873

A. New Functions

1 Professional CD metadata & album cover art service company. Gracenote



We integrated Gracenote service into the X50 to retrieve CD metadata and Album cover art for CD Ripping. As Gracenote is a professional CD metadata service company, you may get higher quality of metadata and album cover art for CD Ripping with X50.

※ NOTICE

But, Gracenote service is free for two(2) years. After two(2) years, if you want to keep using Gracenote service, you need to pay five(5) EURO per service for one year. Can be extended for additional one year with five(5) EURO payment.

Of course, if you don't like to Gracenote service with payment, CD metadata from freedb server and album coverart from Google, Amazon, Bing, etc will be available continuously like before.

※ NOTICE: You need to take a simple process to activate 'Gracenote Service' first

※ How to activate license for Gracenote service



- ① Go to SETUP>License.
- ② Click 'License', then below screen will show up

- ※ Two(2) services are available. One is CD metadata(Cd), the other is Album coverart(Cover)
- ③ Click one of them. For example, click 'Gracenote(Cd)

- There will be License Name and Device Key, which are needed to activate license
- ④ Click 'Activate'

- ⑤ Click 'OK' to finalize 'license activating'

※ After two(2) years, you can take a similar process to buy license

2 Function of Multi-Cutting(Auto-Cutting) for recorded file

You can record iRadio of X50, Otherwise, you may have a file recorded by other devices like X40. With this new function, you can cut the file into each track by auto or by manual. To understand this function, you need to understand each key's function well by reading this manual very carefully.

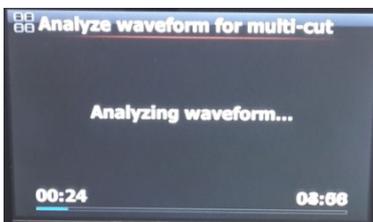
※ **NOTICE: This function works in Browse mode only for most of file format, except for DSD file**
But, after running this function, all tracks(files) cut will be 'WAV' file format.

2-1 How to set 'cutting point' by auto



① Look for recorded file in Browse mode and place the cursor on it

② Press MENU key and confirm 'Multi-Cut to wav...' to start analyzing waveform of the file.



There are four(4) spins to set 'cutting point'.

※ Press MENU key to toggle Enable/Disable for these spins

※ Role of each spin

- . -35 dB: to set max dB value for auto cutting.

Scope settable: -30dB~-40dB

- . 4.0 Sec: to set duration for the above max dB value.

Scope settable: 0.1 ~ 5 Sec

※ For example, if you set -35dB and 4.0Sec, 'cutting point' will be

created automatically at the points where volume level -35dB below and the volume level(-35dB below) lasts for over 4 seconds

- . 1 X: to zoom graph by 1X, 2X, 4X, 8X, 16X ~ 128X

- . 1 Sec: to set 'seek time' unit when moving 'playing point' by

LEFT/RIGHT arrow key. Scope settable: 0.1~30 sec

- . 1/2/3/4/5: Number of track which will be cut

- . Vertical green line: Cutting point

- . Vertical blue line: Current playing point



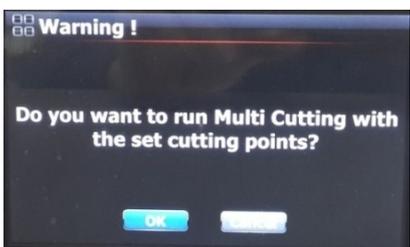
2-2 How to set cutting point by manual

- ① You have to disable four(4) spins.
- ② You can seek cutting point you want by LEFT/RIGHT key
(For this job, you can set 3rd spin and 4th spin properly)
- ③ You can set 'current playing point' as 'cutting point' by pressing UP arrow key
- ④ By pressing DOWN key, you can remove 'cutting point' within 10 sec and closest to 'current playing point'.

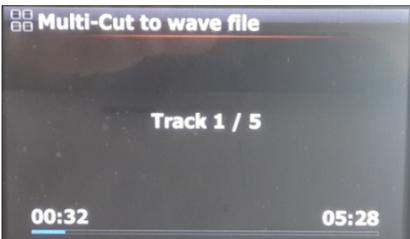
2-3 How to start cutting



- ① Set cutting points properly according to the above procedure
- ② Press RETURN key, then it will ask 'OK' or 'Cancel' like below



- ③ Select OK and confirm it. Then, it will start cutting like below
 - ※ If you confirm 'Cancel', it will go back to 'Playing Screen'
 - ※ If you press RETURN key, it will go back to 'Multi-cut screen'
- ④ To see cut tracks, go to the same folder where original file is
- ⑤ There will be one folder whose name is same as original file
- ⑥ There will be five(5) cut tracks in the folder like below.



2-4 Role of each key on 'Multi-Cut Screen'

- 1) All keys of remote control except for VOL BAL, VOL+/-, PAUSE/PLAY, SETUP, STOP and POWER don't work
- 2) MENU key: to toggle Enable/Disable for four(4) spins

2-4-1 When Spin is enabled

<Buttons on the front of X50 unit>

- . OK : to go to next spin
- . JOG spinning : to up/down spin value
- . MENU : to disable Spin

<Keys of remote control>

- . OK : to go to next spin
- . LEFT/RIGHT: to move Spin to left/right
- . UP/DOWN : to up/down Spin value
- . MENU : to disable Spin

2-4-2 When Spin is disabled

<Buttons on the front of X50 unit>

- . OK : to toggle Play/Pause
- . JOG spinning : to seek 'current playing point' by the value of forth Spin
- . JOG spinning with JOG pressed : to seek 'cutting point'
- . MENU : to enable Spin

<Keys of remote control>

- . OK : no working
- . LEFT/RIGHT: to seek 'current playing point' by the value of forth Spin
- . UP : to set 'current playing point(vertical blue line)' as 'cutting point(vertical green line)'
- . DOWN : to remove the cutting point within 10 seconds and closest to the current playing point
- . MENU : to enable Spin

2-4-3 Regardless of Spin Enabled or Disabled

- . DAB+/FM on the unit : to set 'current playing point(vertical blue line)' as 'cutting point (vertical green line)'
- . STOP on the unit : to remove the cutting point within 10 seconds and closest to the current playing point.
- . NEXT/PREVIOUS of remote control : to seek 'cutting point' to right/left
- . -15/+15 of remote control : to work just as original role
- . CAP/NUM of remote control : to toggle 'Seek to percent mode' or 'Jump to track mode' of the numeric keys
- . Numeric keys of remote control
 - * in 'Seek to percent mode' : to seek by 0%, 10%, 20% within current displaying area
 - * in 'Jump to Track mode' : to seek to starting point of each cutting area

3 Roon Ready

We made Roon Software work with X50.

For detailed information about Roon Software, please refer to www.roonlabs.com



4 Audio CD Burning function

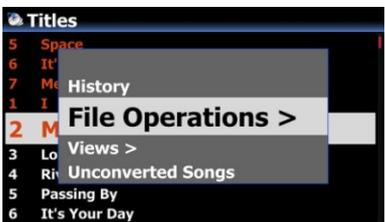
We added the function to burn Audio CD with X50



- ① Insert empty CD-R to CD drive on any screen
- ② Wait until media detection message comes out like left screen



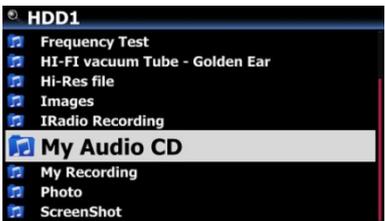
- ③ Look for target files(tracks) and place the cursor on the target file
✳ On the file(track) list, press RIGHT arrow key to select multiple files



- ④ After selecting files, press MENU key and confirm 'Add My Audio CD' to send selected files(tracks) into 'My Audio CD' folder



- ⑤ Selected files will start copying to 'My Audio CD' folder in the storage set as MusicDB storage



- ⑥ Go to Browser and look for 'My Audio CD' folder.(There will be WAV files in the folder)



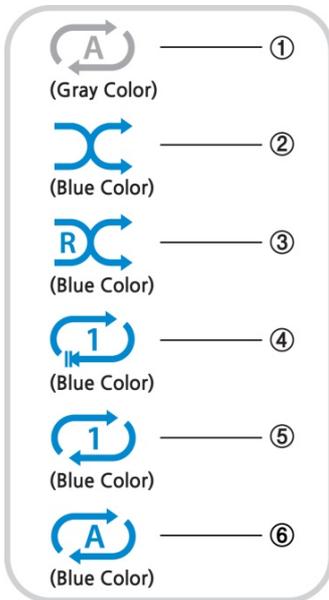
- ⑦ Place the cursor on the 'My Audio CD' folder, and press MENU key to select and confirm 'Burn My Audio CD' to start burning

✳ NOTICE: For next Audio CD burning and inserting new track, you have to make 'My Audio CD' folder empty.

5 Added one more mode, Random in Playing Mode option

We added one more mode, Random, which will play songs randomly, but a song may be repeated.

※ NOTE : Shuffle : play songs randomly, but any song will not be repeated.



- ① Normal: Play all songs in an album or in a folder at once in sequence
- ② Shuffle: Play songs randomly, but any song will not be repeated
- ③ **Random: Play songs randomly, but a song may be repeated**
- ④ Once: Play the current song once only
- ⑤ Repeat Once: Play the current song repeatedly
- ⑥ Repeat All: Play all songs in an album or in a folder in sequence and repeatedly

6 To make a Playlist on MusicDB directly



- ① Go to MusicDB and list up by Album, Genre, Artist, etc
- ② Place the cursor on the list with which you want to make a playlist
- ③ Press PLAYLIST key of remote control
- ④ You can finish it easily as shown



7 Improvement for cover art supporting

In case that there is no album cover art in song tag file, X50 will try seeking image file like 'file name.*', 'folder.*' and 'cover.*' in the same folder or album, and display it if one of them is detected.

B. Improvement

- 1 Added 'Year View' into MusicDB
- 2 Added 'Import Time' into MusicDB
- 3 Clear the bug that device gets halt when exception occurs in playing TIDAL
- 4 Clear the bug that pop noise is created in running 'Seek function' when playing DSD file
- 5 Clear the bug that UPnP Renderer doesn't stop properly
- 6 Clear the bug that DSD signal doesn't come out properly via Gustard USB DAC in case that the X50 is rebooted with Gustard DAC connected
- 7 Improved device to sort all list by alphabetical order(A---->Z) and send it to UPnP clients
- 8 Clear the bug that User Font function doesn't work properly
- 9 When ripping several tracks only out of total tracks, X50 screen will show ripping track number/number of total track selected, instead of total track number in the album.
- 10 Added 'Rename' option at the Popup MENU for Browser
- 11 Clear the bug that TIDAL/Deezer stops by itself after some time is passed
- 12 Removed 'File Operation' option from Popup MENU for Year and Import Time View
- 13 Clear the bug that, in NET(shared folder) at Browser, it takes much time to open Browser in case that connected shared folder remotely is off or removed
- 14 Clear the pop noise produced via I²S by pressing PREVIOUS/NEXT key when playing DSD file
- 15 Clear several cases which are the cause for 'Query Error' in MusicDB access
- 16 Micro-adjustment of timing to send out signal via digital out
- 17 Adjustment for left/right channel in playing DSD file
- 18 To display popup signal of CAPS key status when running SEARCH function for MusicDB
- 19 Added 'Rename' option to popup MENU for Browser mode
- 20 NOVATRON MusicX App server is updated

Thank you very much