



Index

FEATURES	3
INSTALLATION	5
CONFIGURATIONS	6
LANGUAGE	6
AUDIO CARDS	7
FILES	7
MODES	8
INTERFACE	8
FADES	10
SHUFFLE	11
PROTECTING THE CONFIGURATION	11
MAIN SCREEN	13
MENU	13
LOGO	14
FILE EXPLORER	14
CONTROL PANEL	18
CUE	19
HIDING THE FILELIST	19
CARTS	20
OPERATION	22
LOADING AUDIOS AND VIDEOS	22
SAVING A PLAYLIST	23
OPENING A PLAYLIST	23
PLAYING ONE CHANNEL IN BACKGROUND (BG)	24
TALKING OVER A CHANNEL	25
PLAYING VIDEO CLIPS	26
ACTIVATING A SECOND MONITOR	26
EDITING AUDIO TAG FOR MP3 FILES	29
PLAYING JINGLES IN A SPECIAL WINDOWS	30
SHUFFLE MODE	32
LOG	36
TRIGGER BY SERIAL	38
LANGUAGE	39
RDS	39
WEB RADIO	40
KEYBOARDS SHORTCUTS	41
PROGRAMABLE KEYBOARD	45
COMPATIBILITY	46
FREQUENTLY ASKED QUESTIONS	47



EBRcart_Pro Operation Manual

FEATURES

EBRcart-Pro is a radio automation software to instantly playback audio and video files.

Create your radio web alive on WEB easily, showing information about title and artist. Also, send information about title and artist on cars using RDS text.

- Until 4 channels: 1, 2, cue and jingle using one or more audio cards.
- play many format of audio files: mp3, ogg, wav, wma;
- play many format of video files: avi, mov, mpg, mpeg, wmv;
- several operate modes: load and play immediately, load and pause, load next channel;
- exclusive window for jingle;
- list of files at the same screen, with filter for search;
- 3 pages, with 24 buttons each, total 72 buttons;
- buttons can be numeric or alfabetic and can be colored by user;
- drag and drop the audio/video files into the buttons;
- script files are organized in 3 pages that can be saved individually with names chosen by you. The number of saved pages has no limit, you can create many pages for effects, news, music and load 3 of them instantly when necessary. The process of creating a page can be local or remote (using 2 EBRcart and mapping drives).
- save and load all configuration of screen;
- manual or automatic play;
- Shuffle mode: automatic selection of music. Infinite play without repetition. Commercials add automaticly.
- play can be externally triggered by GPI or simple pushbutton connected to serial port;
- stop with fade (configurable);
- configuration for 3 audio outputs: 1, 2 and cue with 3 audio cards;
- mixer two audio channels (configurable);
- Log register with option to Excell export;
- region for digitation of text for intercommunication;
- digital clock;
- TV facilities - run like a Clip Server, Clip Box or similar: playback video through a dedicated Video Out connection (on a dedicated separate Video card) instead of on the PC monitor. This way, any images being output from EBRcart can go to a switcher and then over the air.
- Fadeout and Cross times configurable;
- Tag editor;
- Call for your audio editor. Just select a file and open it to edition.
- Write files to RDS and XML for radio web;
- Button for test your audio files avoiding surprise during infinite playing;
- Configurations protected by password;
- Windows auto resize, adjusting to any resolution above 800 x 600.
- support multi-language: portuguese, English, hebrew or any other (configurable);



EBRcart_Pro Operation Manual

Important features:

SECURITY: all files are previously tested before being copied for the buttons, preventing awkward imperfections in the air.

STABILITY: EBRcart_Pro is very stable, don't crash and don't stop.

SIMPLICITY: simple interface and easy learning, without complications!

LOW COST: economy with security, stability and simplicity!!!

SUPPORT: eventual doubts or imperfections can be reported and will be corrected through the email suport@ebraudio.com.

FILE EXPLORER: very fast file explorer to view and find files;

Aplications:

EBRcart_Pro is great for Radio Web, Radio automation, tv, live sound, theatre, schools, musical groups, concerts, djs and replacing minidisc.

INSTALLATION

1 – Plug the dongle USB received after you buy the software.



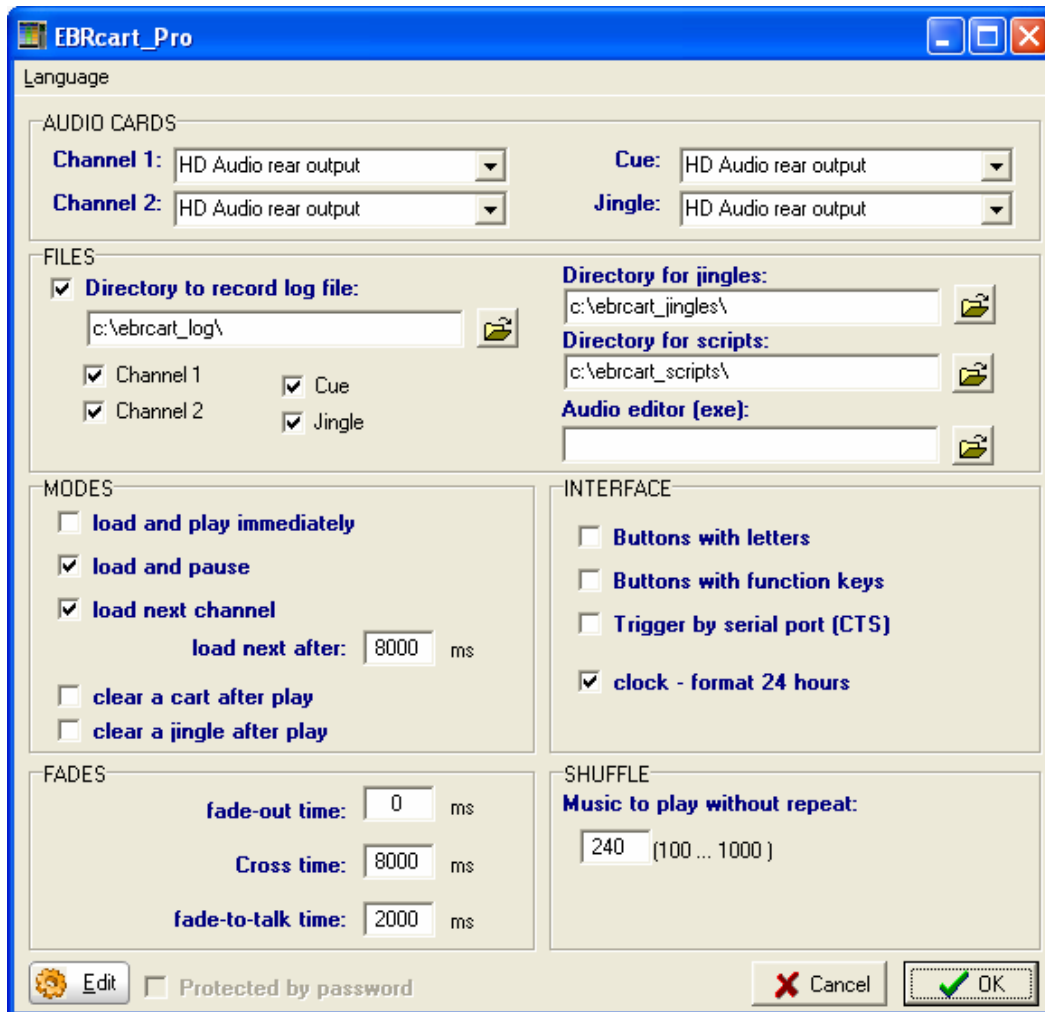
2 - Execute setup file “ebrcart_proi-reg.exe” available in CD or downloaded by internet.

3 – If you are using a demo version, will be displayed this screen. Click button CONTINUE.



CONFIGURATIONS

The first time this software runs, you must configure it:



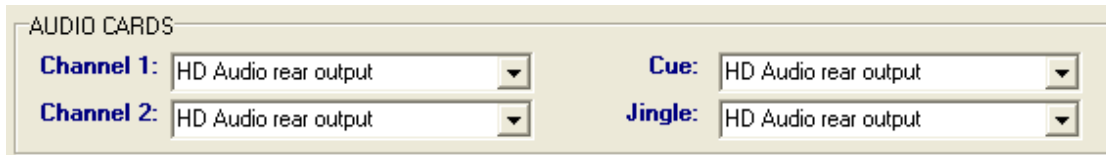
LANGUAGE



Click LANGUAGE to change it. Select a file with extension “.lng”.

If your language doesn’t exist, create one, editing the file named “english.lng” and translating it. This file is located at “c:\program files\ebrcart2”

AUDIO CARDS

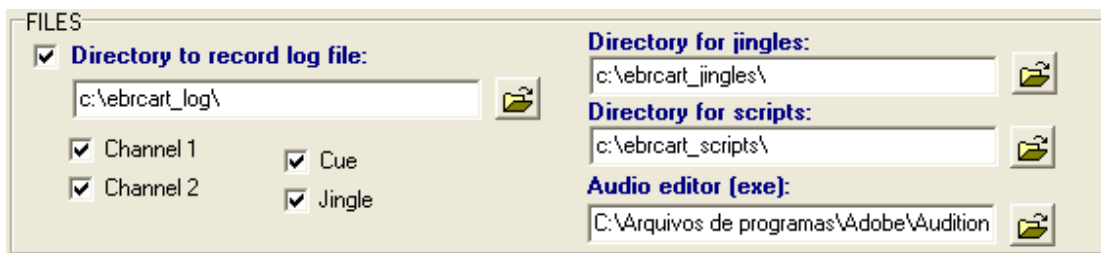


The screenshot shows the 'AUDIO CARDS' configuration window. It contains four dropdown menus arranged in a 2x2 grid. The top row has 'Channel 1' and 'Cue', both set to 'HD Audio rear output'. The bottom row has 'Channel 2' and 'Jingle', both also set to 'HD Audio rear output'.

We have until 4 output stereo channels to plays the audio files:
channel 1 = master
channel 2 = auxiliar
channel 3 = cue
channel 4 = jingle

You can use one or more audio cards, select outputs for each channel.

FILES



The screenshot shows the 'FILES' configuration window. It has several sections: 'Directory to record log file:' with a text box containing 'c:\ebrcart_log\' and a folder icon; 'Directory for jingles:' with a text box containing 'c:\ebrcart_jingles\' and a folder icon; 'Directory for scripts:' with a text box containing 'c:\ebrcart_scripts\' and a folder icon; 'Audio editor (exe):' with a text box containing 'C:\Arquivos de programas\Adobe\Audition' and a folder icon. There are also four checkboxes: 'Channel 1', 'Channel 2', 'Cue', and 'Jingle', all of which are checked.

- **directory to record log file:** select a directory to record information about played audios.
- **Directory to scripts:** select a directory where you saved your scripts.

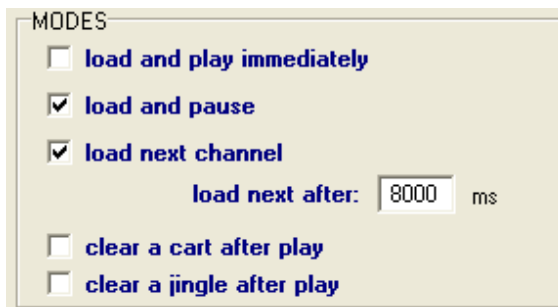
If you wish register wich audio files was played, select an directory where the log files will be recorded. One file (aaaammdd.txt) will be recorded for each day. Select wich channels will be recorded.

You can configure where your playlist (jingles and scripts) are located.

Also, an external audio editor can be configurated to edit an audio file.

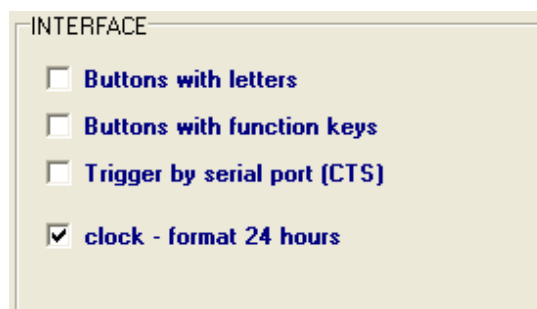
MODES

Several operational modes can be used:



- a) **load and play immediately**: when you click a cart, an audio is loaded to channel 1 and played;
- b) **load and pause**: an audio is loaded and wait until you click the cart again or press the PLAY button;
- c) **load next channel**: when channel 1 is loaded and playing, the next channel is automatically loaded after xxxx milliseconds;
- d) **clear a cart after play**: if checked, after played the cart will be cleaned;
- e) **clear a jingle after play**: if checked, after played the jingle will be cleaned of the grid;

INTERFACE



- a) **Buttons with letters**: you can play audios just pressing letters A .. Z

A 00:00		I 00:00		1 00:00	
B 00:00		J 00:00		2 00:00	
C 00:00		K 00:00		3 00:00	
D 00:00		L 00:00		4 00:00	
E 00:00		M 00:00		5 00:00	
F 00:00		N 00:00		6 00:00	
G 00:00		O 00:00		7 00:00	
H 00:00		P 00:00		8 00:00	

b) Buttons with function keys:

F1 00:00		F9 00:00		5 00:00	
F2 00:00		F10 00:00		6 00:00	
F3 00:00		F11 00:00		7 00:00	
F4 00:00		F12 00:00		8 00:00	
F5 00:00		1 00:00		9 00:00	
F6 00:00		2 00:00		0 00:00	
F7 00:00		3 00:00		- 00:00	
F8 00:00		4 00:00		+ 00:00	

c) Trigger by serial port

Selecting this option, EBRcart can be externally triggered by one simple pushbutton connected to serial port.



This LED is showed when this option is selected.

See page 41 for more details.

FADES

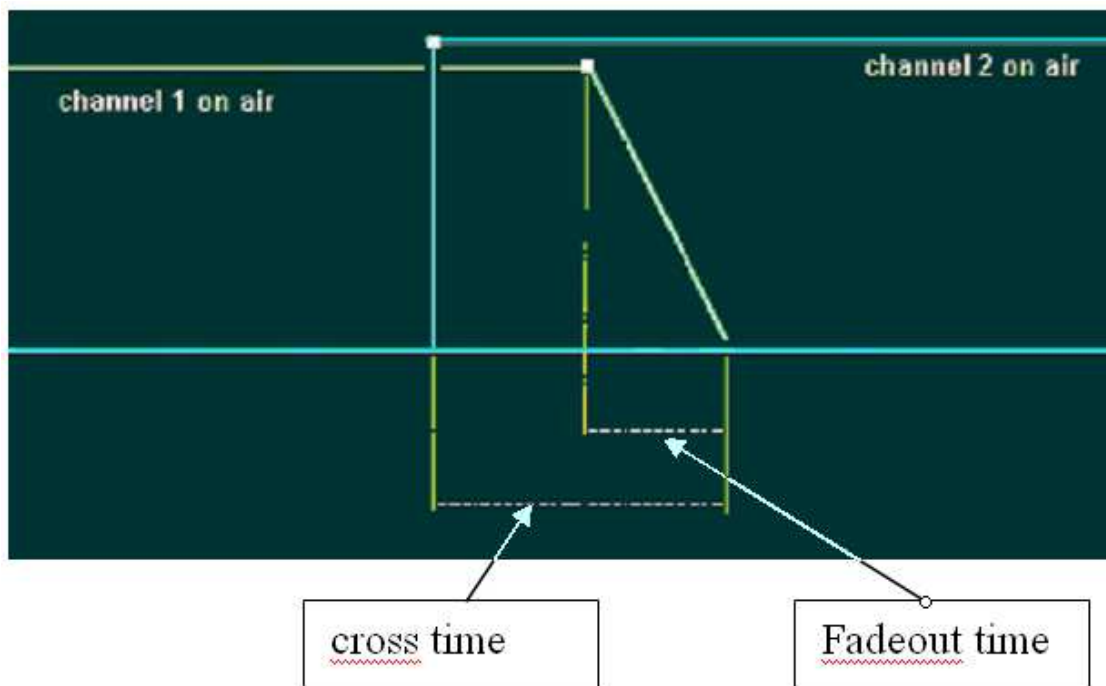
FADES

fade-out time: ms

Cross time: ms

fade-to-talk time: ms

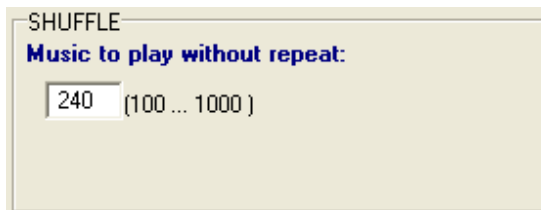
- a) fade-out time : time of fade at the end of audio or after press key stop;
- b) cross time : time before finish one audio to play another audio;



- c) fade-to-talk time: time of fade one audio without stopped it. You can open microphone channel to talk while audio is playing with low volume;



SHUFFLE



EBRcart_Pro can run in automatic mode, playing audio without interruption.

Just select how many audio you wish play without repetition.

Example:

100= 100 x 3 min (average time per music) = 300 min = 5 hours of music
1000= 1000 x 3 min (average time per music) = 3000 min = 50 hours of music

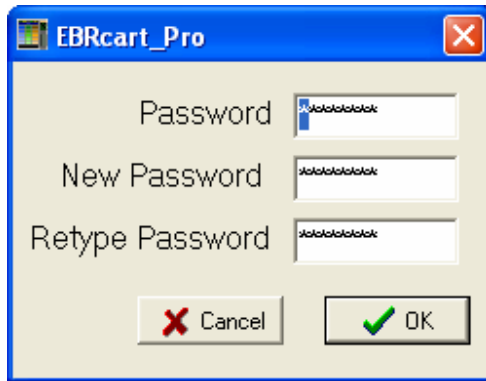
5 to 50 hours of music without repetition and without any programming.

See more details at section xxxx.

PROTECTING THE CONFIGURATION



Press the button EDIT to activate the protection by password.



The default password is 'ebraudio'.

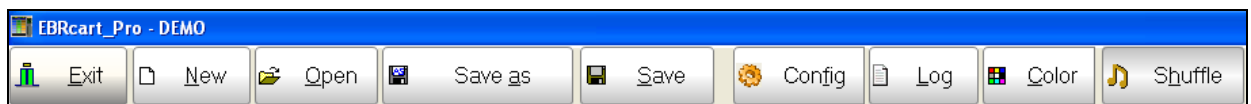
Check it to protect the configuration against unauthorized changes:



MAIN SCREEN



MENU



- Exit – close software, a confirmation is asked;
- New – clean the carts in a page to open a new script (playlist);
- Open – open a script (file with extension .rot) and load audios in the selected page;
- Save as – save playlist as a script file with extension .rot;
- Save – save again a script file with the same name;
- Config – open window to configuration;
- Log – open windows to display log of events;
- Color – change color of carts to default;

- i) Shuffle – enter in Shuffle mode.

LOGO

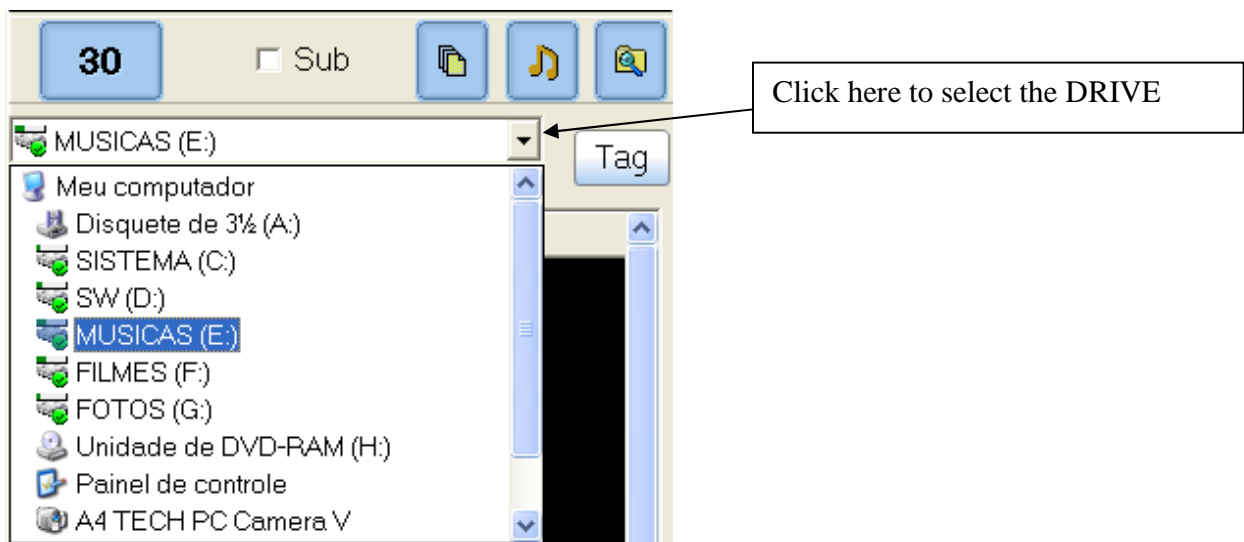


Click to show version and little help.

If you wish, you can put your logotype here. Create a file named LOGO.bmp, resolution 335 x 35, and save it in the same directory where EBRcart_Pro was installed (C:\Program Files\EBRcart_Pro\).

FILE EXPLORER

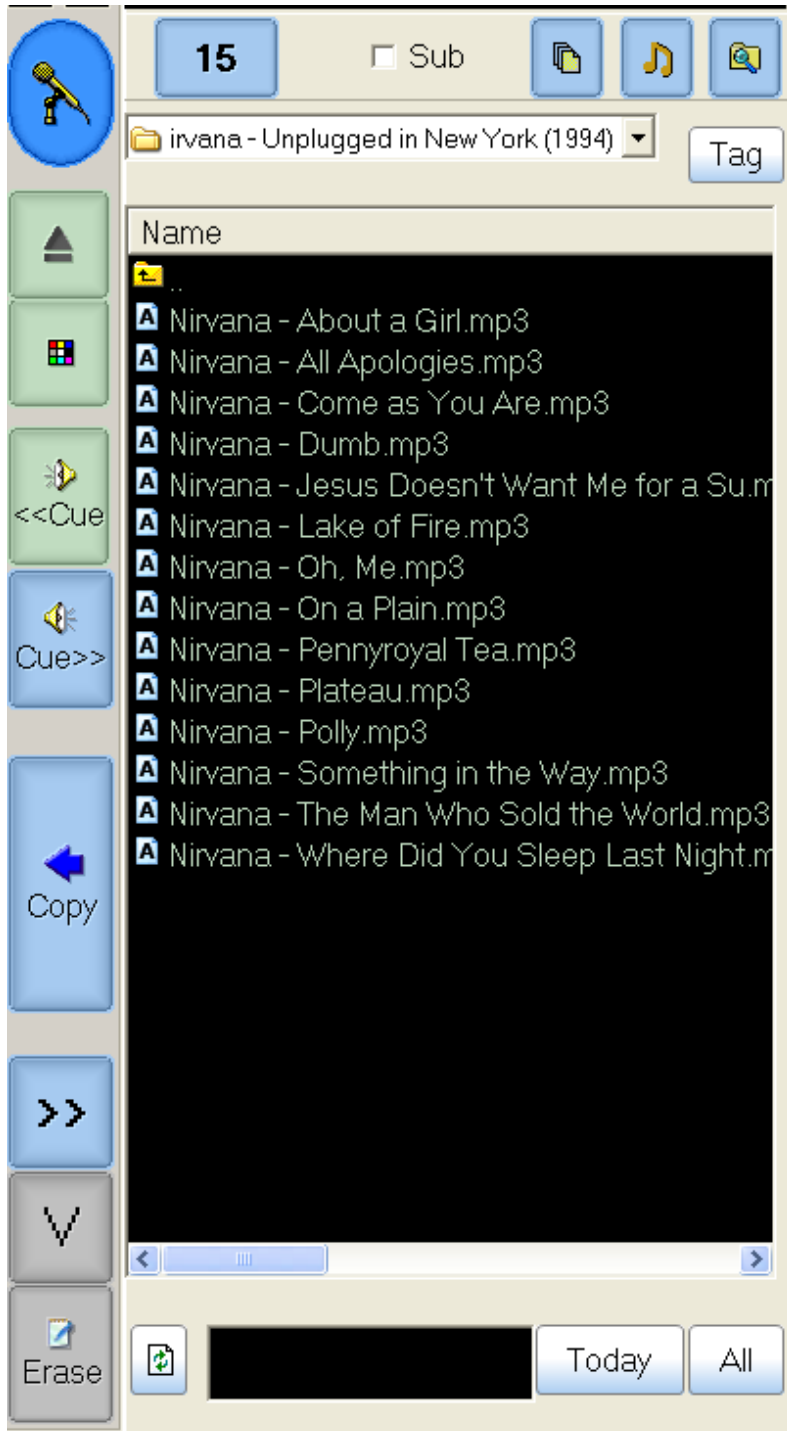
- 1 – Select the directory where your audios are located:





EBRcart_Pro Operation Manual

2 –The filelist will display all audio/video files in this location.



15

= this button has 2 functions, indicate how many files exist and test if audio files are playable. If errors are found, they are displayed in the area for digitations



Message informing how many errors was found.



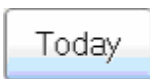
List of errors found.



= refresh the filelist;



filter = write the part of filename to seek (filter)



= use to select files with names in the format “mmdd – description.mp3” where mmdd is equal month and day.

For example: 1022 – description.mp3 = audios created at october, 22.



= show all files



Press to fade volum of channels 1 and 2.

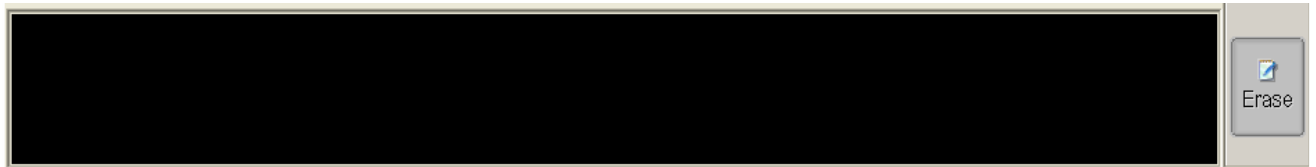


EJECT - left-click on identification of cart (it turn GREEN) and click this button to clean a cart. Right click on duration has the same effect;



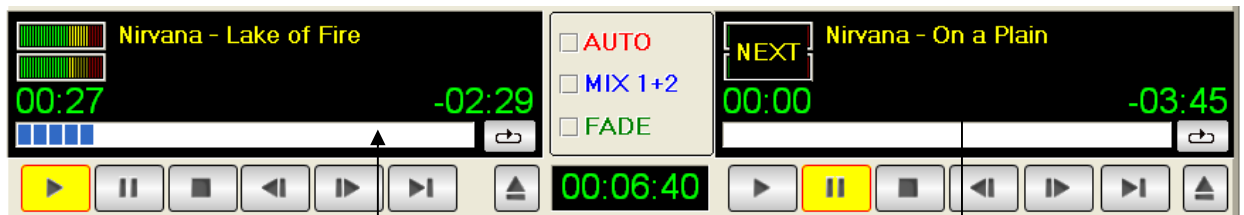
COLOR - left-click on identification of cart (it turn GREEN) and click this button to color a cart. Right click on identification has the same effect;

AREA FOR DIGITATION











This area for digitation could be used to reminders or write messages to other monitor plugged in the same video-card using y-cable.


CONTROL PANEL



Clicking in this bar forward ou backward the audio.

Click the name to stop reproduction

-  play audio loaded
-  pause. Resume this point.
-  stop. Restart from beginning.
-  back 5 seconds.
-  forward 5 seconds
-  play next audio
-  eject audio loaded
-  repeat.

 progress bar . Click to alter position of play.



- **AUTO: automatic play next audio;**
- **MIX 1 + 2: check to allow play two audio at the same time;**
- **FADE: when you press STOP, reproduction is finished with fadeout.**

CUE



= select one file in the filelist and click this button;

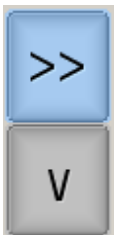


= select one cart clicking over a number/letter and click this button.

The audio is reproduced in the output channel defined in the configuration.



HIDING THE FILELIST



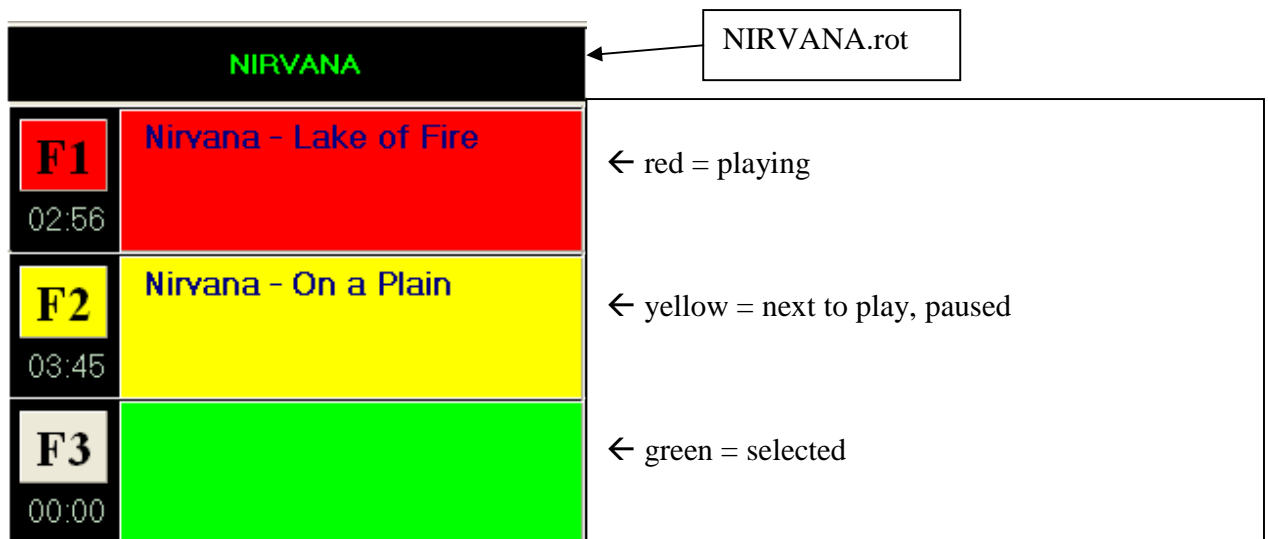
= hide filelist

= hide area for digitation

CARTS

Each cart is divided in 3 parts:

- a) an identification by number (1...24), letters (A...X) or functions keys (F1 ...F12);
- b) area for filename and click to play;
- c) duration of audio/video files;



NIRVANA.rot

← red = playing

← yellow = next to play, paused

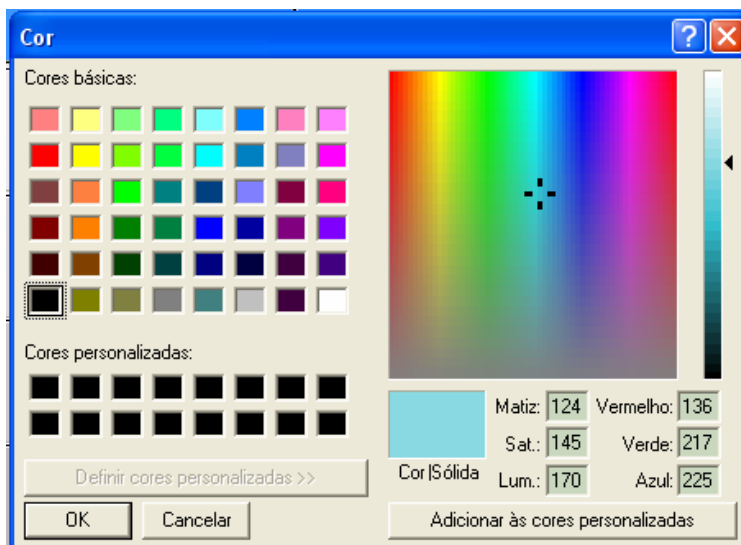
← green = selected

The carts can be coloured:

Method 1: right-click the number and select a color.



Method 2: click the number and click





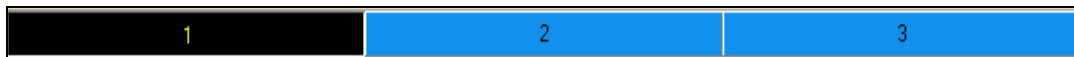
EBRcart_Pro Operation Manual

Select a color and click OK. Avoid choice the reserved color RED (255,0,0), YELLOW (255,255,0) and GREEN (0,255,0).

OPERATION

LOADING AUDIOS AND VIDEOS

1 - The carts are divided in 3 pages, selecte one of them clicking the buttons:



The page 1 is the initial selection. All of the cart on the screen are belonging this page.

a) Copying a file: method drag and drop

Select one file at the filelist and drag it to the cart and drop it;

One cart can be moved to other, right-click over cart and click on new cart.

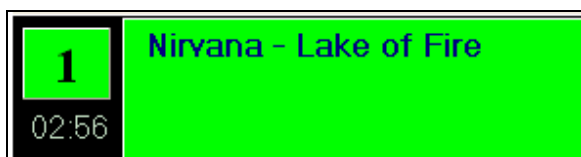
b) Copying many files:

- click the numeric button of the first cart to be load. The numeric button will be GREEN;



- select the audio files to be copied and click the button
- all the select files will be tested and copied to the carts;

8) **Reproduction (play)**



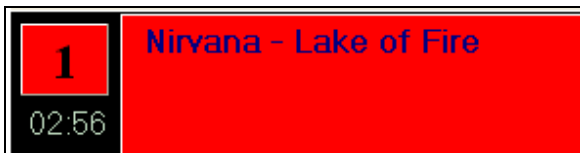
Method 1: - left click the cart for reproduction.

Method 2: - move the mouse on the cart. The cart will be GREEN, then press the space bar to play the audio.

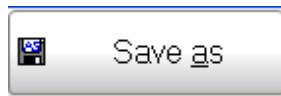
Method 3: - if “buttons with letters” is selected, the numeric buttons will be replaced by letters A to X. Press this letters to play the audios.

Method 4 – if “buttons with function keys” is selected, the numeric buttons will be replaced by F1 to F12 and 0 to 9. Press this keys to play the audios.

The cart will be red:



SAVING A PLAYLIST



- Click button and give a name to the file with extension ROT;

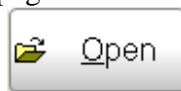
You can save the scripts in the directory created in the configuration:
“C:\ebrcart_scripts”



After, just click the button to display all scripts.

OPENING A PLAYLIST

Select one of 3 pages.



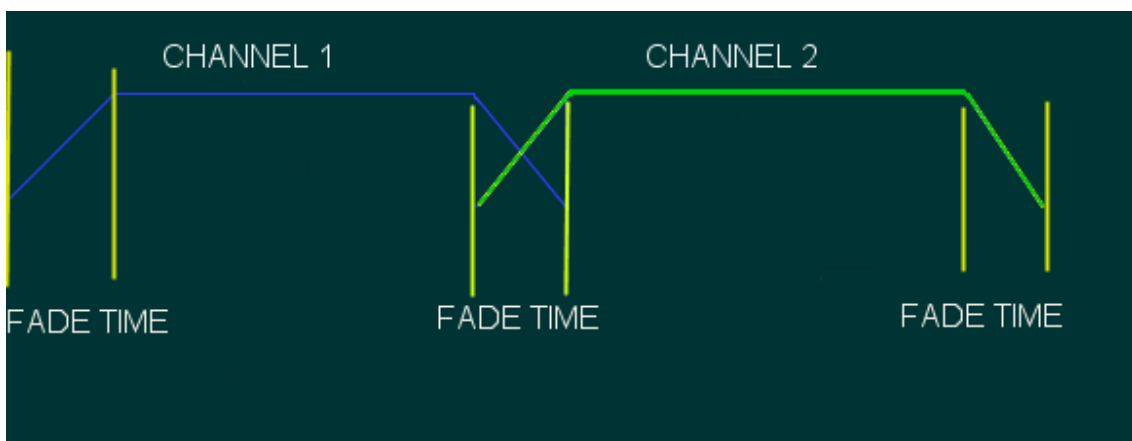
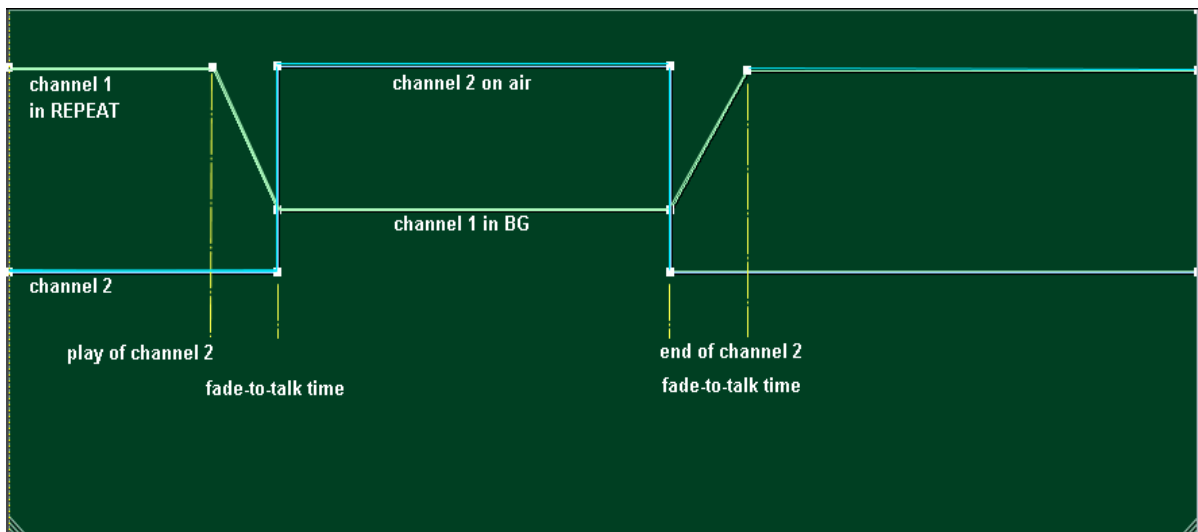
Method 1: click and select your script;



Method 2: click and double click over a script file;

PLAYING ONE CHANNEL IN BACKGROUND (BG)

- During audio playback on channel 1, press REPEAT (disable AUTO, MIX 1 +2).
- When you press other button to play other audio, this audio is loaded on channel 2 and the volum of channel 1 is fade out to predefined level (you can change this level, in the next time the new level will be remembered). Time to fade is configurated (*fade to talk time*).
- At the end of audio in channel 2, the volum of channel 1 return to normal.

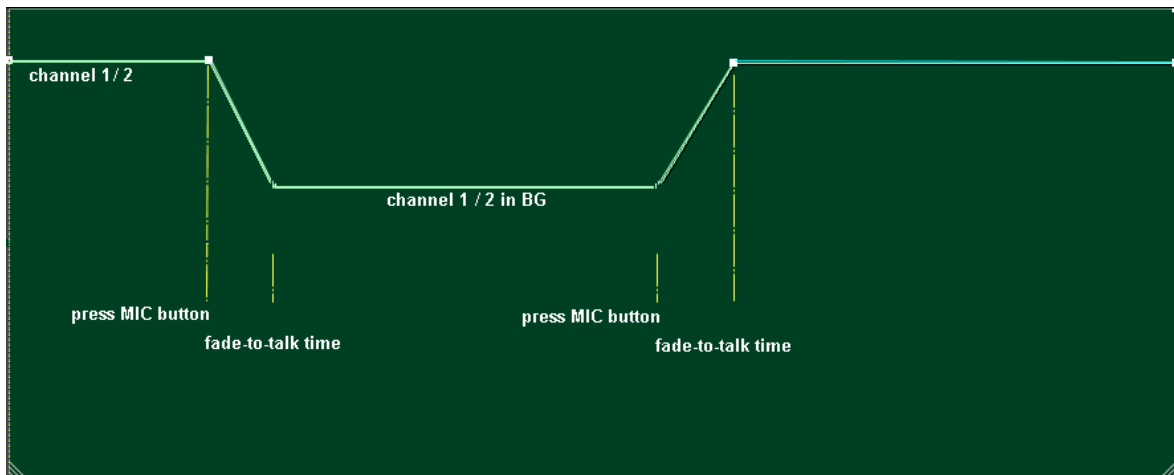


TALKING OVER A CHANNEL



Press to fade volum of channels 1 and 2.

If you adjust volum controls after press this button, in the next time you use this control, your adjust will be remembered in the next time.



PLAYING VIDEO CLIPS



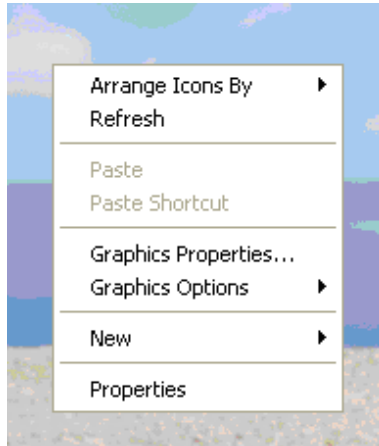
This window is displayed over the main window.

ACTIVATING A SECOND MONITOR

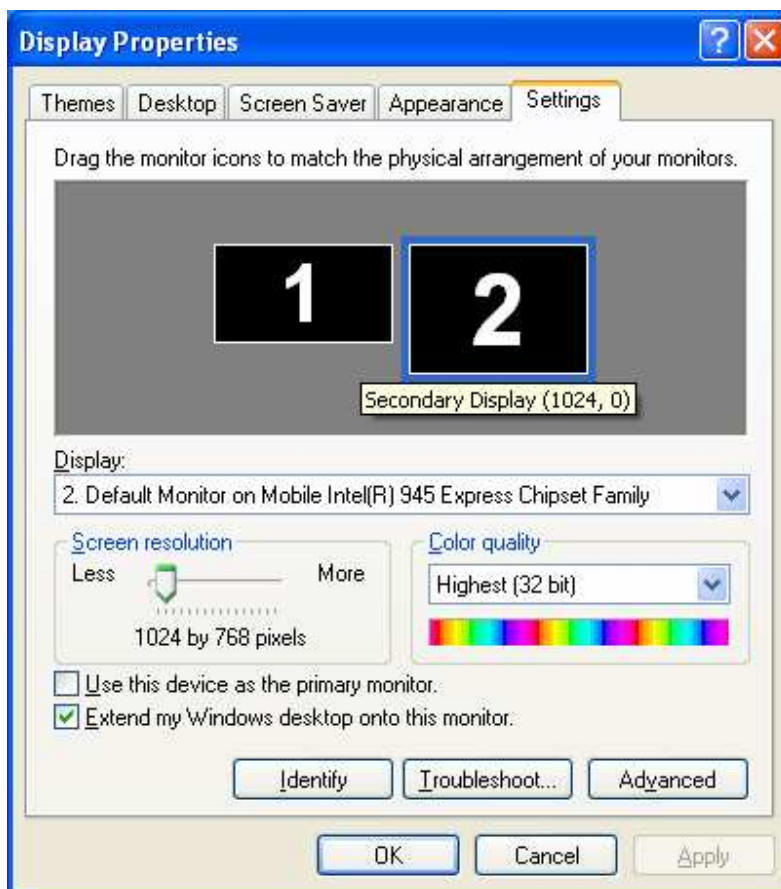
Configure to playback video through a dedicated Video Out connection (using or not a dedicated separate Video card) instead of on the PC monitor.

In television application, any images being output from EBRcart can go to a switcher and then over the air.

- 1 – plug the second monitor in the VGA or Svideo port of your computer;
- 2 – right click over desktop, and click “Properties”;

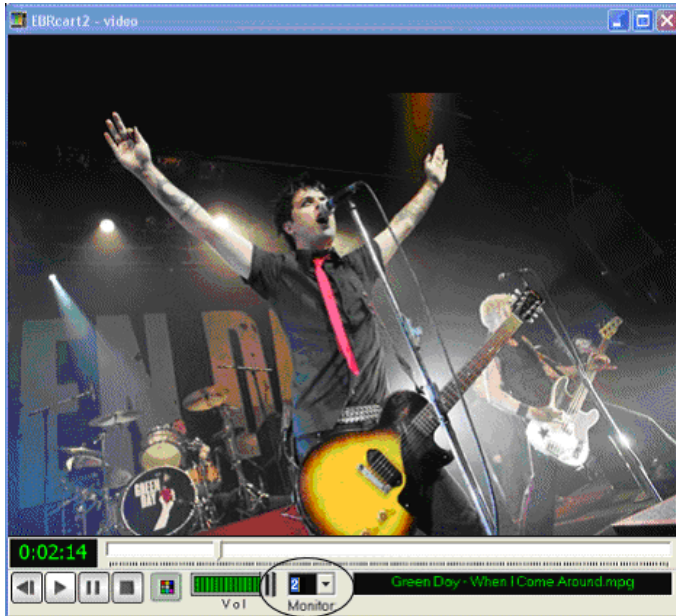


2 – click number 2 (secondary display) e check “Extend my windows ...” and click OK.



3 – Run EBRcart and play a video file.

4 – In windows video, select monitor 2



RESULT:

Monitor 1 : reproduction control

Monitor 2 : full-screen visualization



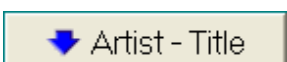
EDITING AUDIO TAG FOR MP3 FILES

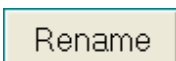
Select an mp3 file and click button  and fill out information about this file:



The screenshot shows a teal-colored interface for editing MP3 tags. It features several input fields: 'Title' (Lake of Fire), 'Artist' (Nirvana), 'Album' (MTV Unplugged in New York), 'Track' (12), and 'Year' (1994). There are also empty fields for 'Comment' and 'Composer'. Below these fields are two buttons: a downward arrow followed by 'Artist - Title' and an upward arrow followed by 'Artist - Title'. A text box below these buttons contains 'Nirvana - Lake of Fire.mp3'. At the bottom, there are buttons for 'Rename' and 'Save Tag', and technical details: '00:02:56' and '128 kbps' on the left, and '44100 Hz' on the right.

 Artist - Title mount TAG based name of file

 Artist - Title remount name of file based on TAG

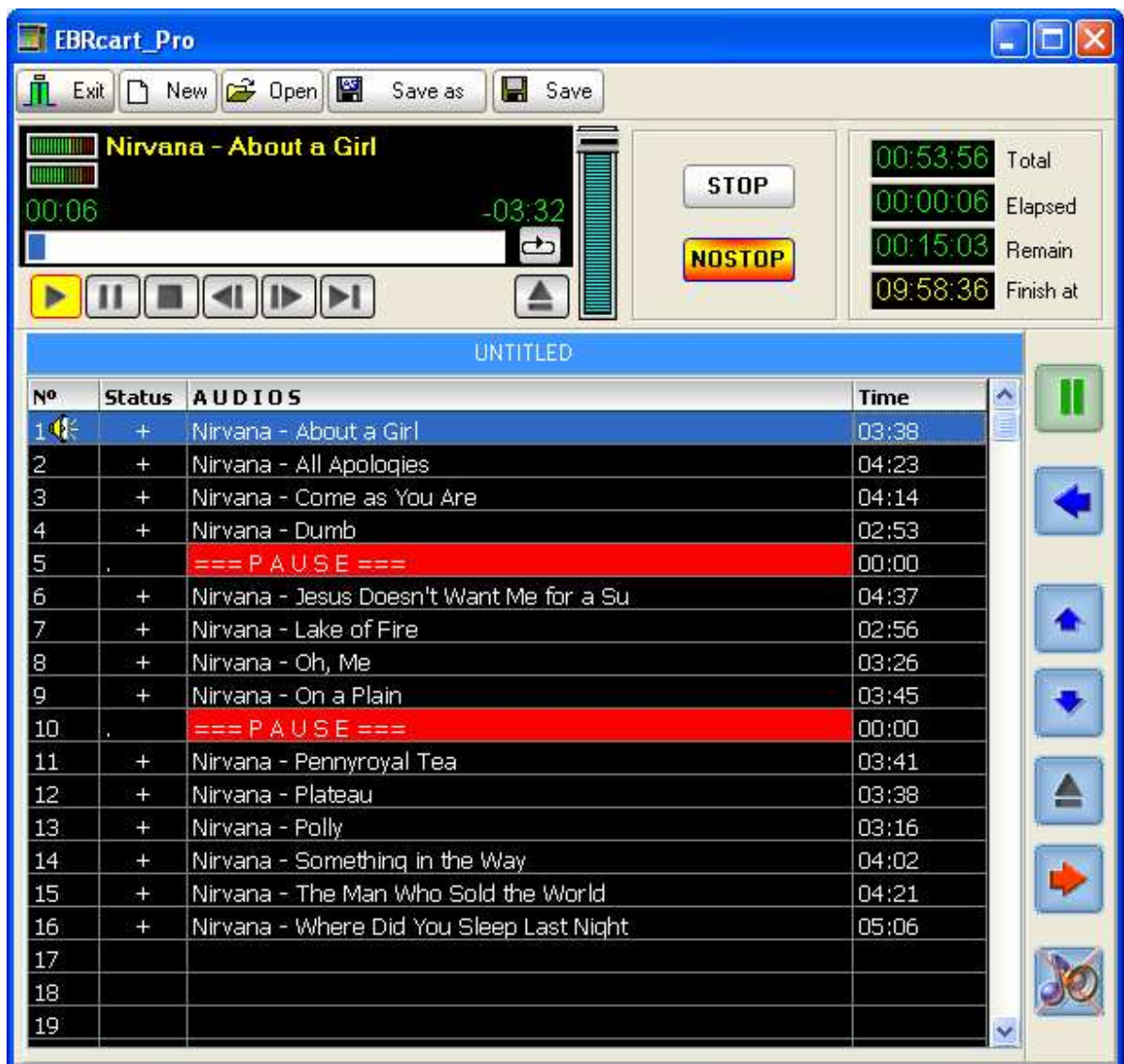
 Rename rename file

 Save Tag
click to save save TAG alterations

PLAYING JINGLES IN A SPECIAL WINDOWS

- click button 

- a new windows is displayed, choice audio and load into the grid:



STOP select this option to play one audio and stop

NOSTOP select this option to play audio until find one PAUSE



insert one PAUSE



load audios from filelist. You can use drag and drop too.



move up selected audio



move down selected audio



clear selected audio



delete one line of grid



don't play selected audio. Mark with “-“

Mark “+” means audio will be played.

You can close or exit this windows without lose your configurations. But if you exit the software you must save the jingle's script before.

SHUFFLE MODE

This mode is a powerful and easy mode to make an automatic and infinite programation.

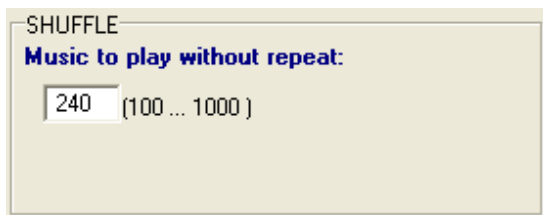
You can operate in 2 modes: without or with breaks.

MODE 1 – without breaks

- Select drive or directory where are your favorites musics. You can check Sub to show audio file in the subdirectory;

- Click the button 

- The program select 240 music files and load the first 24 files into the carts. To change this number, enter in CONFIG and type other value;



- Next, click the first cart to start the automatic SHUFFLE MODE.

After play one audio, the cart is cleaned and is load again after 8 audios are played.



- To exit the Shuffle mode, press button SHUFFLE and stop the reproduction.

MODE 2 – with breaks

The software will insert automatically in page 1 any audio you load in page 2, in the same position.

For example, see page 2



We load audio named “break” (you can use any name) into cart 1, 5, 9, 13, 17 and 21.

- click page 1 
- click button SHUFFLE

The music are randomly selected and the audios of page 2 will be insert into the cart of page 1.
See the next screen.

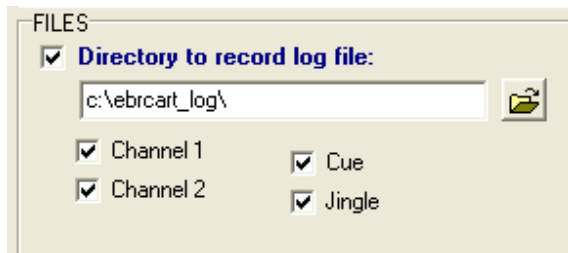


The screenshot displays the EBRcart_Pro - DEMO software interface. At the top, there is a menu bar with options like Exit, New, Open, Save as, Save, Config, Log, Color, and Shuffle. Below the menu, there are playback controls including a 'NEXT' indicator, a progress bar, and buttons for play, stop, and volume. The main area is a 3x8 grid of playlist items, with several 'break' items circled in red. To the right, there is a 'MUSICAS' list with various song titles and a 'Tag' field. The bottom right corner shows an 'Erase' button and a 'Today All' button.

1	2	3
1 break	9 break	17 break
2 Cotidiano	10 8-Abandonados Pelo Sistema (Babilon System)	18 Amor Barato
3 Freedom Taking Over	11 01 Vermelho	19 Tim Maia - Paixão antiga
4 Linguagem do Morro-Favela-O Samba do Operário	12 -caetano e mutantes -baby-cd edit	20 5. Poeira no Vento (dust In the Wind) - Chrystian e Ralf
5 break	13 break	21 break
6 Groundation - 04 - Congress Man	14 05 - Sérgio Reis - Recordação	22 Charlie Brown Jr - Samba Makossa (Acústico MTV) (1)
7 Samba e Amor	15 O GRANDE ENCONTRO III - 14 - EU VOU PARA A LUA - O CANTO DA	23 06-va-old_devil_called_low
8 Red Trip - Ervas No Jardim	16 3. Deixaria Tudo (dejaria Todo) - Leonardo	24 Green Day - Basket Case

LOG

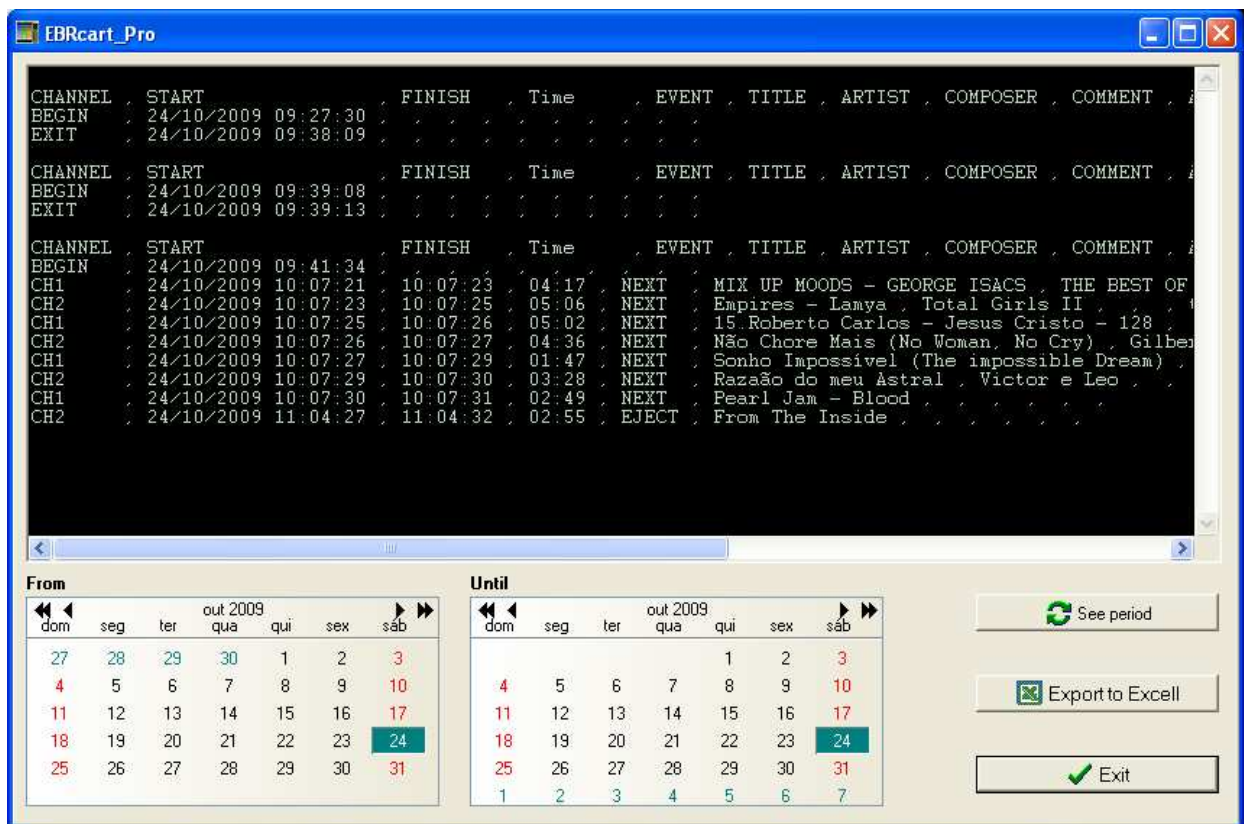
Verify if field “Directory to record log file” is checked.



If not checked the button LOG will be highlighted:



To see register of operation, click button

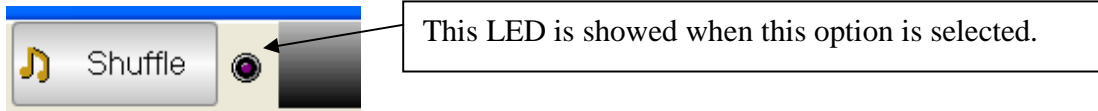


Register for today is displayed.

For another days, choice one day at calendar “From” and “Until” and click “See period”.

TRIGGER BY SERIAL

EBRcart can be externally triggered by until 3 simple pushbutton connected to serial port.

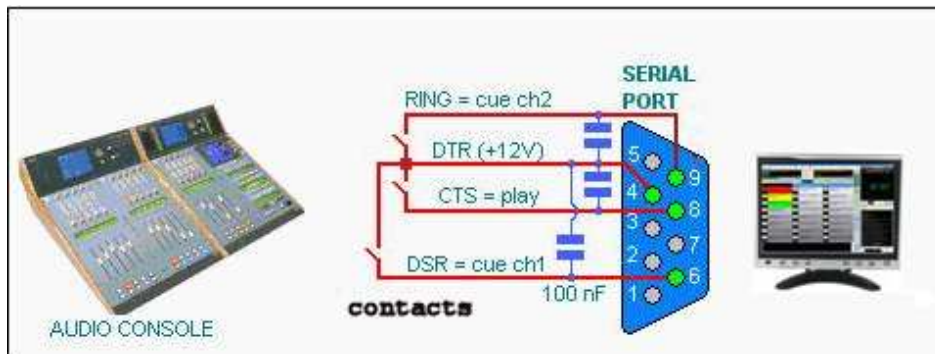


CTS (pin 8 and 4) – play selected cart (green)

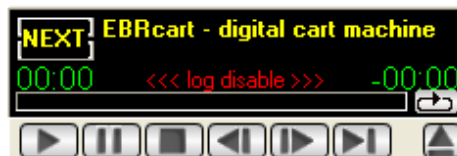
DSR (pin 6 and 4) – close this contact to disable log register to channel 1

RING (pin 9 and 4) – close this contact to disable log register to channel 2

So, with DSR and RING you can use channel 1 and 2 to cue without register in the log file. Connect this pins to cue or on/off contacts of your audio console.



During cue operation, a warning message is displayed on the panel: “<<< log disable >>>”



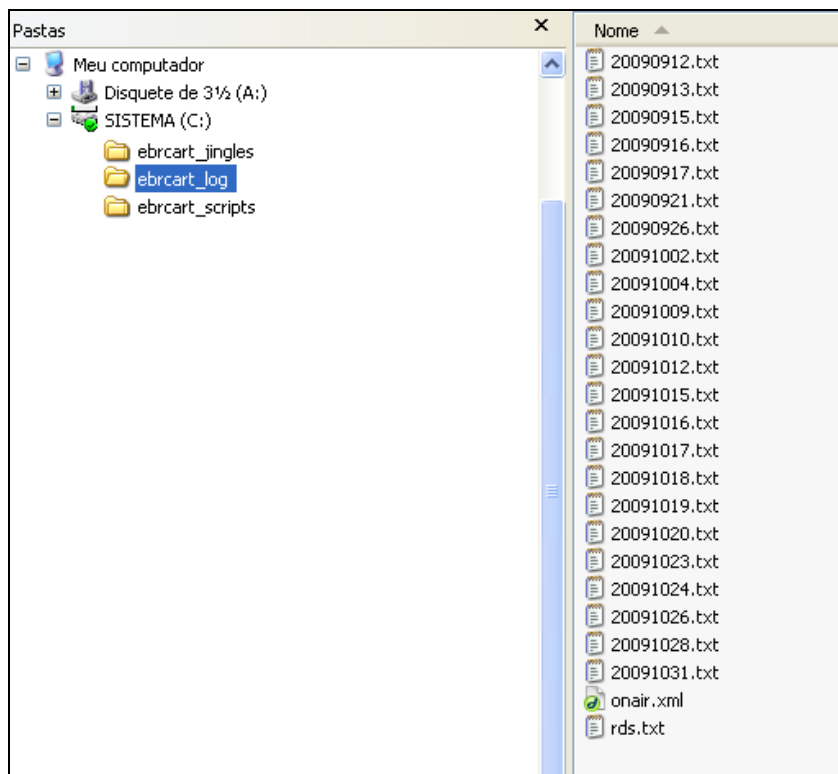
LANGUAGE

You can translate EBRcart_Pro to any language you wish.

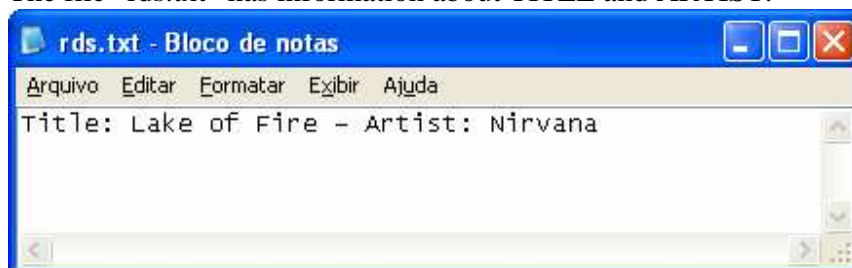
Just edit (using NOTEPAD) the file named “English.lng” located at the same directory where software was installed (default = c:\program files\ebrcart_pro\english.lng).

RDS

To send information about your music to a RDS System, EBRcart generate a file named “rds.txt” located in “c:\ebrcart_log”.



The file “rds.txt” has information about TITLE and ARTIST.





EBRcart_Pro Operation Manual

Using a RDS software you can send this information to car stereo with this facilities.

Read more about RDS: http://en.wikipedia.org/wiki/Radio_Data_System

WEB RADIO

To send information about your music to a RDS System, EBRcart generate a file named “onair.xml” located in “c:\ebrcart_log”.

```
<?xml version="1.0" encoding="UTF-8"?>
<song>
<title><![CDATA[ Lake of Fire]]></title>
<artist><![CDATA[ Nirvana]]></artist>
<composer><![CDATA[ ]]></composer>
<comment><![CDATA[ ]]></comment>
<album><![CDATA[ MTV Unplugged in New York]]></album>
<track><![CDATA[ 12]]></track>
<year><![CDATA[ 1994]]></year>
<duration><![CDATA[ 02:56]]></duration>
<file><![CDATA[ Nirvana - Lake of Fire]]></file>
</song>
```

The file “onair.xml” has information about TITLE, ARTIST and other data recorded in TAG music.

Upload this file to your Web Server and add this information to your web site.



EBRcart_Pro Operation Manual

KEYBOARDS SHORTCUTS

- TAB : change focus to carts, file list and directory
- use arrows to select a cart
- space or enter = play
- menu

Editing “English.lng”, you can use any key, just put a symbol "&" before the letter in language file. Don't repeat letters)

```
===== MAIN WINDOW
MainForm.bt_exit.Caption      = &Exit
MainForm.bt_new.Caption       = &New
MainForm.bt_open.Caption      = &Open
MainForm.bt_saveas.Caption    = Save &as
MainForm.bt_save.Caption      = &Save
MainForm.bt_config.Caption    = Con&fig
MainForm.bt_log.caption       = &Log
MainForm.bt_colordefault.caption = &Color
MainForm.bt_shuffle.caption   = S&huffle
```

- &Exit = alt E
- &New = alt N
- &Open = alt O
- S&ave as = alt a
- &Save = alt S
- Con&fig = alt f
- &Log = alt L
- S&huffle = alt h

- Tag = alt g

=====

- control keys

- CH1_PLAY = CTRL_Q
- CH1_PAUSE = CTRL_W
- CH1_STOP = CTRL_E
- CH1_REW = CTRL_R
- CH1_FW = CTRL_T
- CH1_NEXT = CTRL_Y
- CH1_EJECT = CTRL_U
- CH1_REPEAT = CTRL_I



EBRcart_Pro Operation Manual

CH2_PLAY = CTRL_A
CH2_PAUSE = CTRL_S
CH2_STOP = CTRL_D
CH2_REW = CTRL_F
CH2_FW = CTRL_G
CH2_NEXT = CTRL_H
CH2_EJECT = CTRL_J
CH2_REPEAT = CTRL_K

CART_EJECT = CTRL_X
CART_COLOR = CTRL_L
CART_CUE = CTRL_M
FILE_CUE = CTRL_N
FILE_COPY = CTRL_C

HIDERIGHT = CTRL + RIGHT ARROW
HIDEDOWN = CTRL + DOWN ARROW

CHANGE PAGE = CTRL_P
SHOW JINGLES = CTRL_B
FILE CHECK = CTRL_O

=====
TALK= T

- CHANNEL 1
PAUSE = Z
FADEOUT = X
STOP = S

- CHANNEL 2
PAUSE = <
FADEOUT = >
STOP = ;

=====
- for direct play you can use functions keys or letters:

CART1= F1
CART2= F2
CART3= F3
CART4= F4



EBRcart_Pro Operation Manual

CART5= F5
CART6= F6
CART7= F7
CART8= F8
CART9= F9
CART10= F10
CART11= F11
CART12= F12
CART13= F13
CART14= F14
CART15= F15
CART16= F16
CART17= F17
CART18= F18
CART19= F19
CART20= F20
CART21= F21
CART22= F22
CART23= F23
CART24= F24

=====

YOU CAN USE TOO:

If you select "BUTTONS WITH LETTERS" in CONFIG-INTERFACE

CART1= A
CART2= B
CART3= C
CART4= D
CART5= E
CART6= F
CART7= G
CART8= H
CART9= I
CART10= J
CART11= K
CART12= L
CART13= M
CART14= N
CART15= O
CART16= P
CART17= 1
CART18= 2



EBRcart_Pro Operation Manual

CART19= 3
CART20= 4
CART21= 5
CART22= 6
CART23= 7
CART24= 8

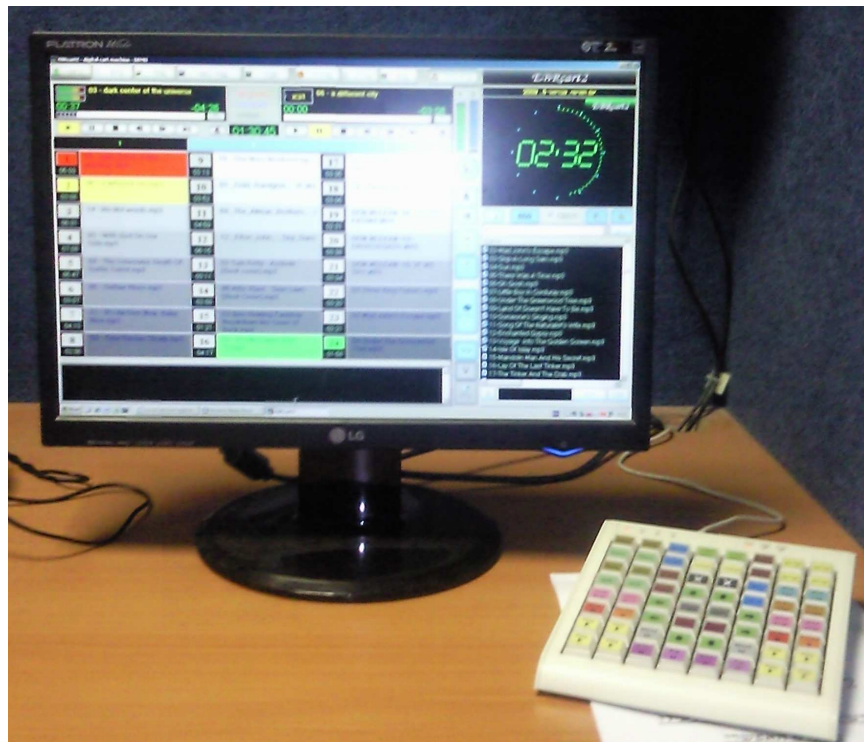
If you select "BUTTONS WITH FUNCTION KEYS" in CONFIG-INTERFACE

CART1= F1
CART2= F2
CART3= F3
CART4= F4
CART5= F5
CART6= F6
CART7= F7
CART8= F8
CART9= F9
CART10= F10
CART11= F11
CART12= F12
CART13= 1
CART14= 2
CART15= 3
CART16= 4
CART17= 5
CART18= 6
CART19= 7
CART20= 8
CART21= 9
CART22= 0
CART23= -
CART24= +

PROGRAMABLE KEYBOARD

A programmable keyboard can be used to control EBRcart_Pro.

Just program each key with codes listed in section “KEYBOARDS SHORTCUTS”.





EBRcart_Pro Operation Manual

COMPATIBILITY

Windows XP – fully compatible.

Windows Vista and Windows 7

Compatible but need some adjust.

After install it, Right-click the EBRcart_Pro shortcut and choose "Properties";

- click "compatibility"
- select "Run as a Windows XP program";
- select "Run as Administrator";



EBRcart_Pro Operation Manual

FREQUENTLY ASKED QUESTIONS

1) How to play ogg files?

Please download and install this free driver:

[oggcodecs_0.71.0946.exe](#)

2) Some files doesn't play on EBRcart

Please download and install this free codec:

<http://www.ebraudio.com/arquivos/K-Lite.Codec.Pack.v4.4.5.rar>