

# EBRcart2 – digital cart machine

The screenshot shows the EBRcart2 software interface. At the top, a menu bar includes Exit, New, Open, Save as, Save, Config, Log, and Color. Below the menu bar is a playback control area with a progress bar and buttons for play, stop, previous, and next. The main area is a grid of 24 numbered slots (1-24) for songs. Slot 1 is highlighted in yellow, and slot 15 is highlighted in green. To the right of the grid is a vertical stack of buttons for microphone, volume, and other functions. On the far right, there is a digital display showing '10:46' and a file list for 'Nirvana - Unplugged in New York (1994)'. Callouts point to various parts of the interface: 'Clean carts' points to the top left; 'Open a file with extension (.rot)', 'Save a script with extension .rot', 'Save again a scprit', 'Config audio outputs', and 'Show log of reproductions' point to the top menu items; 'Select the pages' points to the top left of the grid; 'Button for selection' points to the yellow highlight on slot 1; 'cart for reproduction' points to the green highlight on slot 15; and 'Jingle carts' points to the bottom row of the grid.

**Menu Items:** Exit, New, Open, Save as, Save, Config, Log, Color

**Callouts:**

- Clean carts
- Open a file with extension (.rot)
- Save a script with extension .rot
- Save again a scprit
- Config audio outputs
- Show log of reproductions
- Select the pages
- Button for selection
- cart for reproduction
- Jingle carts

Page	1	2	3	4	5	6
1	Nirvana - About a Girl.mp3 03:38	Nirvana - Pennyroyal Tea.mp3 03:41				
2	Nirvana - All Apologies.mp3 04:23	Nirvana - Plateau.mp3 03:38				
3	Nirvana - Come as You Are.mp3 04:14	Nirvana - Polly.mp3 03:16				
4	Nirvana - Dumb.mp3 02:53	Nirvana - Something in the Way.mp3 04:02				
5	Nirvana - Jesus Doesn't Want Me for a Su.mp3 04:37	Nirvana - The Man Who Sold the World.mp3 04:21				
6	Nirvana - Lake of Fire.mp3 02:56	Nirvana - Where Did You Sleep Last Night.mp3 05:06				
7	Nirvana - Oh, Me.mp3 03:26					
8	Nirvana - On a Plain.mp3 03:45					
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

<http://www.ebraudio.com>

## Instructions:

- 1) At start the software show a screen with the time remaining for trial.  
For trial click Continue or click Register to buy.

EBRcart2 - shareware

Language

**Version shareware**  
Time to trial is 30 days

Change the language ==> **LANGUAGE**

**Days remaining: 29**

**1. To buy click**

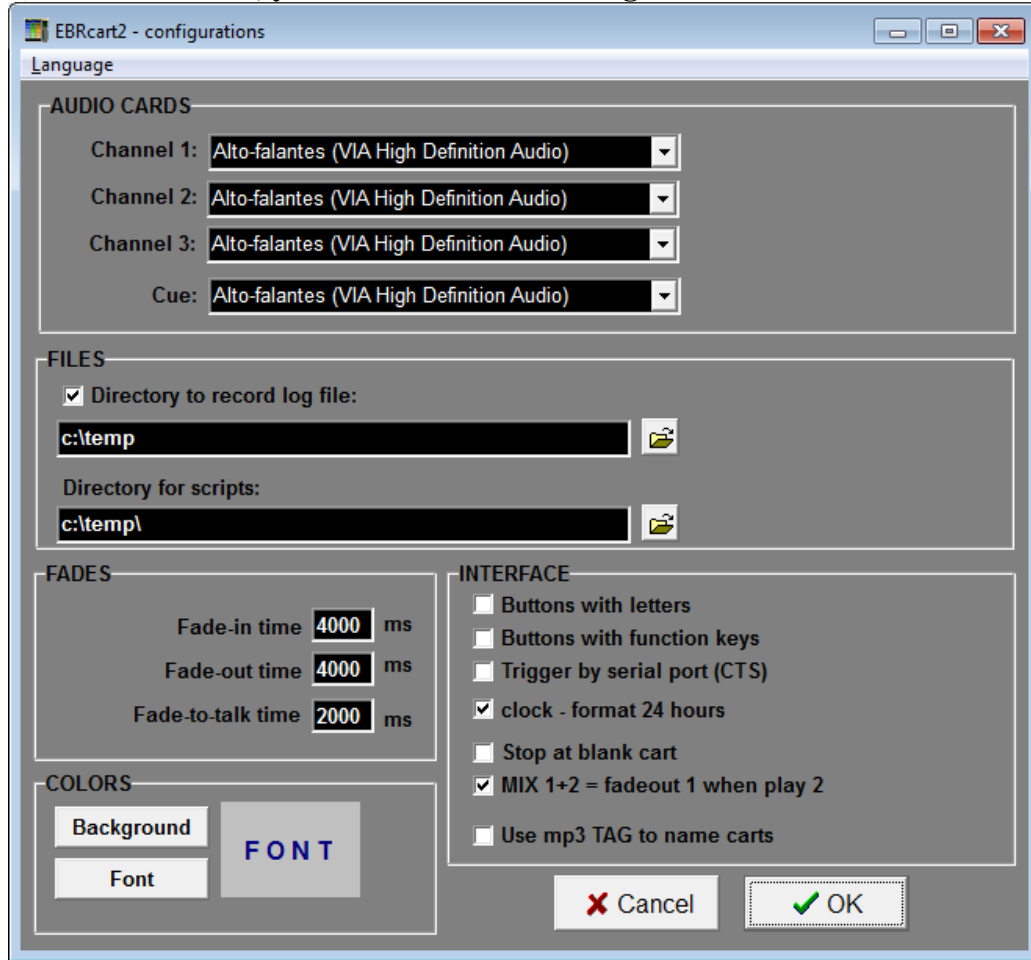
**2. To REGISTER inform:**

Your e-mail address:

The serial number received:

EBRaudio - suport@ebraudio.com

## 2) In the first time, you need inform the configuration for channels and cue:



**2.1 – Language:** click to to change the language. Select a file with extension “.lng”. If your language doesn’t exist, create one editing the file named “english.lng” with Notepad editor and translating it. This file is located at “C:\Program Files (x86)\EBRaudio\EBRcart2”

**2.2 – AUDIO CARDS:** you may have 3 channels for reproduction and one for cue;

### 2.3 – FILES:

- **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.

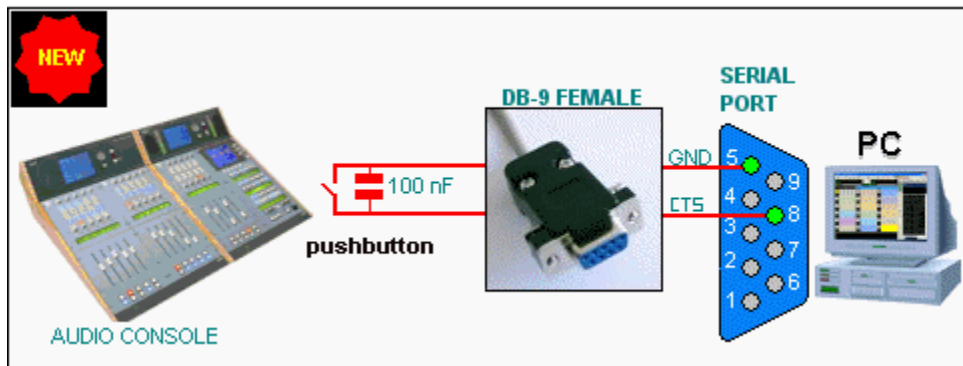
### 2.4 – FADES:

- **Fade-in time:** time of fade in an audio when FADE is checked;
- **Fade-out time:** time of fade out an audio when FADE is checked;
- **Fade to talk time:** time to fade audios on channel 1 and 2 and use microphone or repeat.

### 2.5 – INTERFACE: hotkeys and trigger

- **Buttons with letters:** hotkeys with alphabetic key (A...X);
- **Buttons with function keys:** label buttons with F1...F12 and numeric key
- 
- 
-

- **Trigger by serial port (CTS):** trigger by serial (see interface)



- contact closed = press space key over a cart

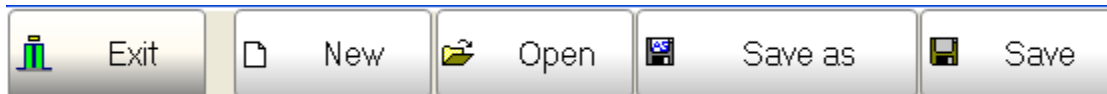
- **Clock – format 24 hours:** display time AM/PM or 24 hours format;
- **Stop at blank cart:** in AUTO mode, stop when find a blank cart;
- **Mix 1+2 = fadeout 1 when play 2:** for mixing two audios;
- **Use mp3 TAG to name carts:** don't use file name on carts;

### 3) MENU

EBRcart has 6 pages (1,2,3,4,5,6) with 24 carts each one.



You may create and save infinite pages, called script files with extension .ROT.



**Exit -**

**New** – clear selected page

**Open** – open a script file and load in the selected page;

**Save as** – save a script file and with a name with extension ROT;

**Save** – save again a script file with the same name.



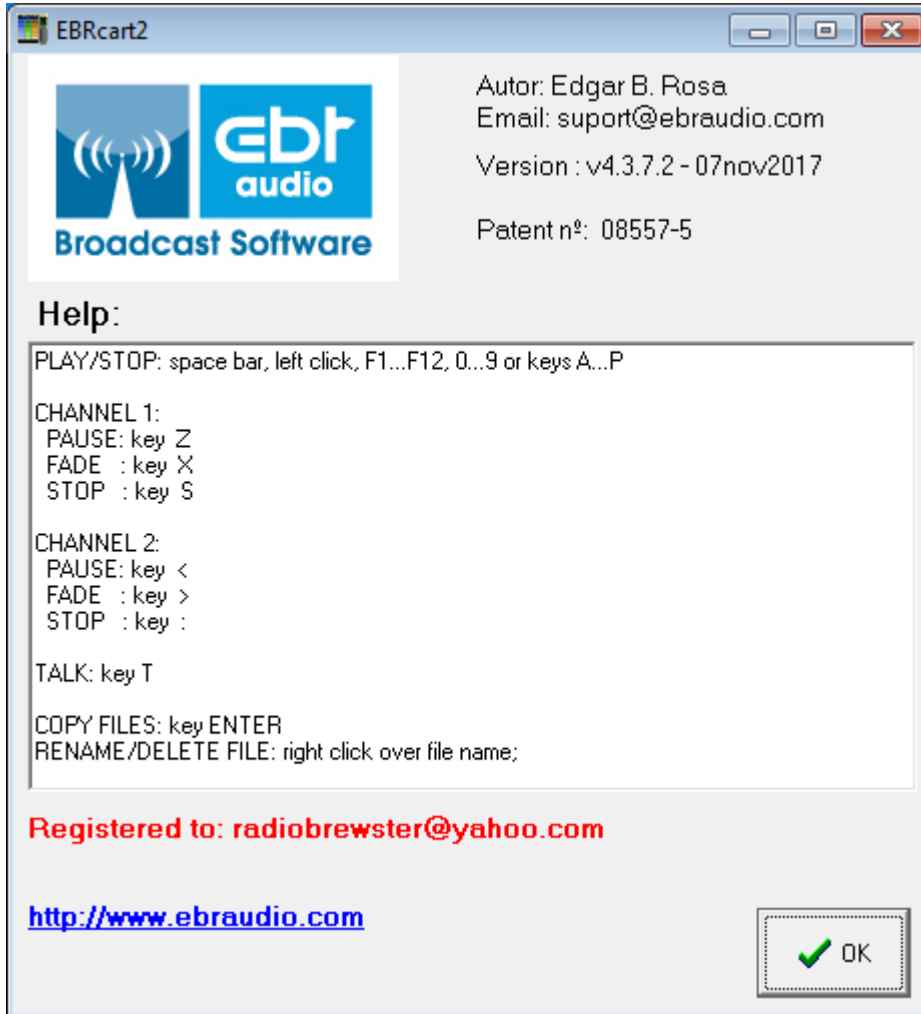
**Config** - configurations

**Log** – see log files;

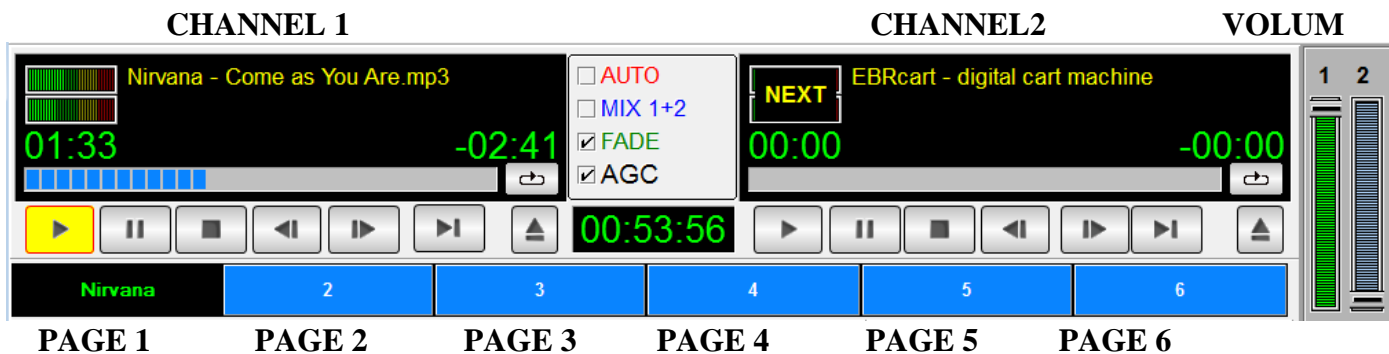
**Color** – load default colors;








# EBRcart2


**EBRcart2** – click over this image to show version and little help.




## 4) DISPLAY AND CONTROLS



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

 when MIX 1 +2 is not selected if you try play other audio, the second audio stay in wait mode.

 progress bar . Click to alter position of reproduction.

 total time of audios in the page

**AUTO**  
 **MIX 1+2**  
 **FADE**  
 **AGC**

- **AUTO:** automatic play of next audio;
- **MIX 1 + 2:** allow play two audios at the same time;
- **FADE:** when you pres STOP, reproduction is finished with fadeout ( time is configured)
- **AGC:** run like an audio expander

#### AGC parameters:

The parameters to adjust it are located at C:\Users\All Users\EBRcart2\ebrcart2.ini

```
[AGC]
Target=0,75
Quiet=0,02
Rate=0,02
gain=1
Delay=0,5
```

Target = Target volume level [0<....1] linear  
 Quiet = Quiet volume level [0.....1] linear  
 Rate = Amplification adjustment rate [0.....1] linear  
 Gain = Amplification level [0..1..n] linear  
 Delay = Delay in seconds before increasing level [0.....n] linear

default: Target: 0,75; Quiet: 0,02; Rate: 0,02; Gain: 1; Delay: 0,5;

Other example of configurations:

Preset\_Hard: Target: 0,98; Quiet: 0,04; Rate: 0,02; Gain: 2; Delay: 0,2;

Preset\_Medium: Target: 0,94; Quiet: 0,03; Rate: 0,01; Gain: 1; Delay: 0,35;

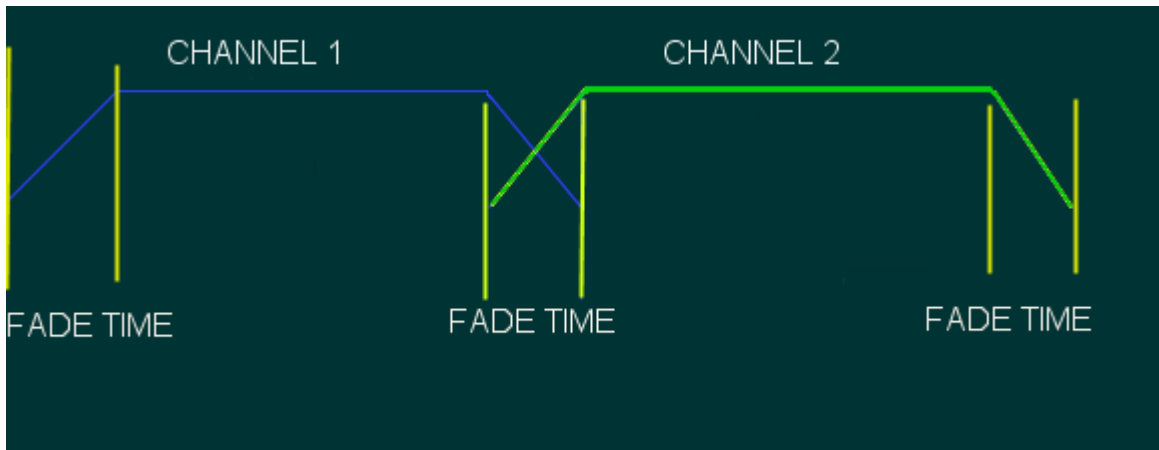
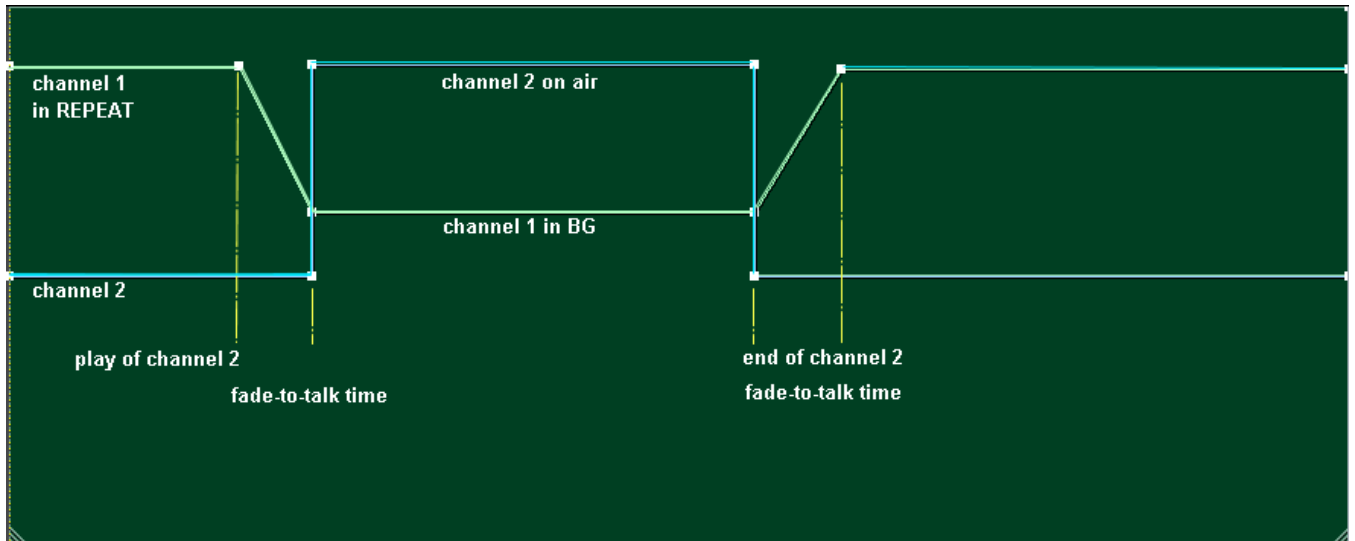
Preset\_Soft: Target: 0,92; Quiet: 0,02; Rate: 0,01; Gain: 1; Delay: 0,5;

The default value was the best I can get, but you try another values modifying the EBRCART2.INI and starting again the software.

The software is adjusted to run like an expander, so you can disable it just unchecking the AGC before classical music or playing audios with low level.

### Playing an audio 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.



## 5) CARTS

Each cart is divided in 3 parts:

- an identification by number (1...24), letters (A...X) or functions keys (F1 ...F12);
- area for filename;
- duration of audio/video;

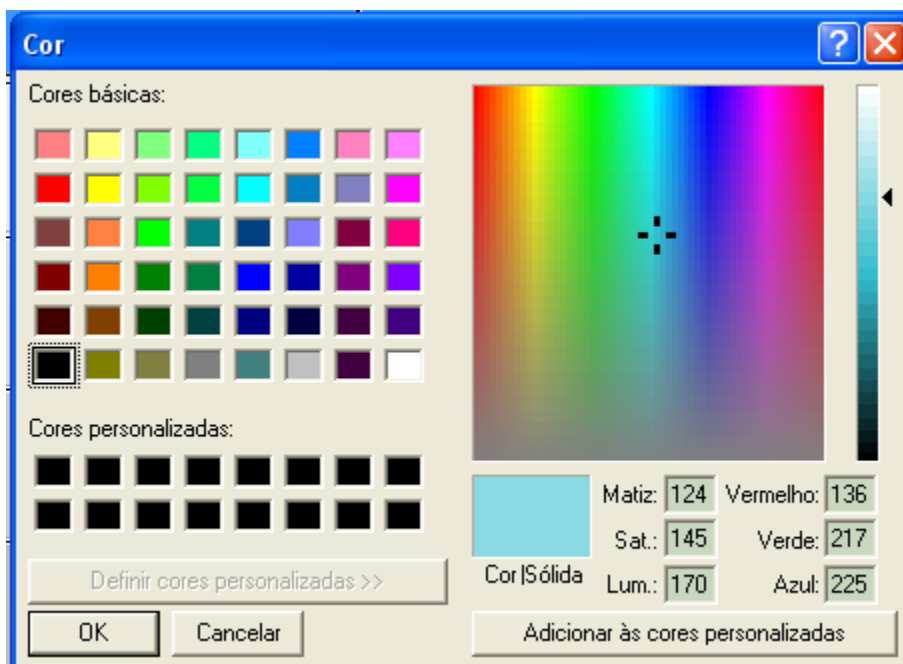
<b>1</b> 03:38	Nirvana - About a Girl.mp3	← red = playing
<b>2</b> 04:23	Nirvana - All Apologies.mp3	← yellow = paused
<b>3</b> 04:14	Nirvana - Come as You Are.mp3	← gray or other color = stopped

The carts can be coloured.

To select color for cart, right-click the number and select a color.

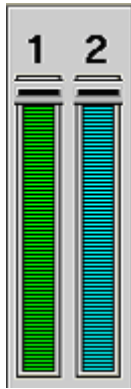


Or left-click the number and click the button





## Volum controls



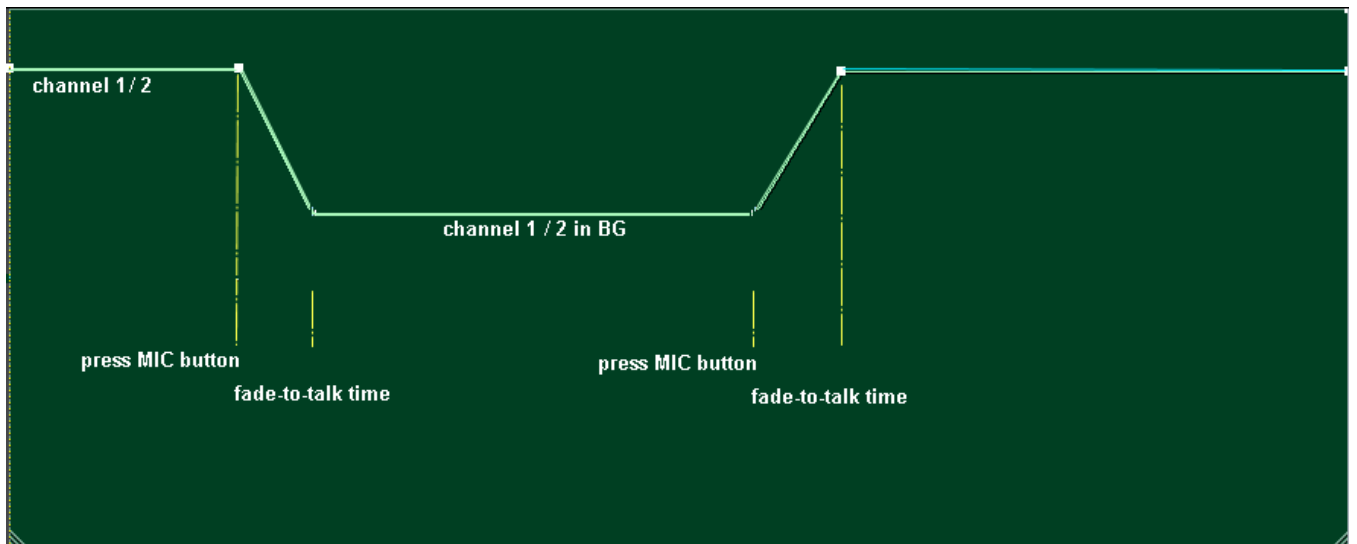
adjust volum level for channel 1 and 2

## MIC button

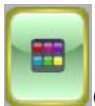


Press to fade volum of channels 1 and 2.

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



**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;

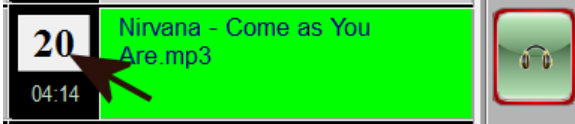


CUE



CUE activated waiting select an audio to play

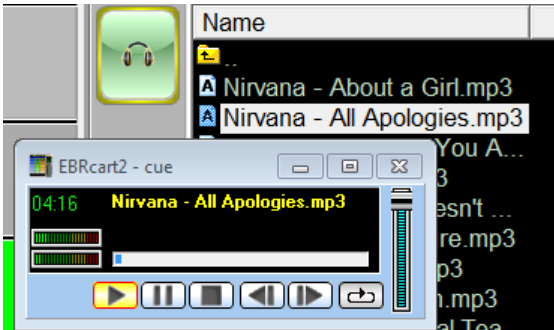
a) **cue a cart:** click the button CUE and select the audio to play clicking over the number of button:



window for cue reproduction

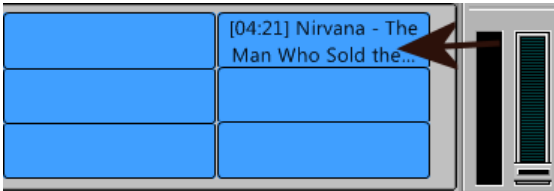
b) **cue an audio on filelist:**

Click the button CUE and click over the filename on filelist:



c) **cue an audio on jingle carts**

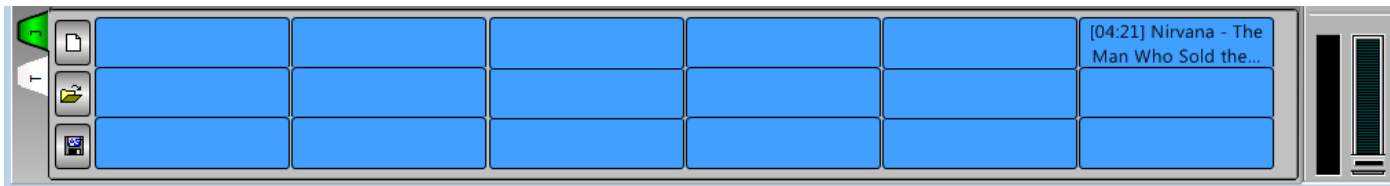
Click the button CUE and click the jingle cart:



## 6) REMINDERS/COMMUNICATIONS AND JINGLE CARTS



Clicking the tab “T” will be showed an area to digit reminders or message to other monitor plugged in the same video-card using y-cable.

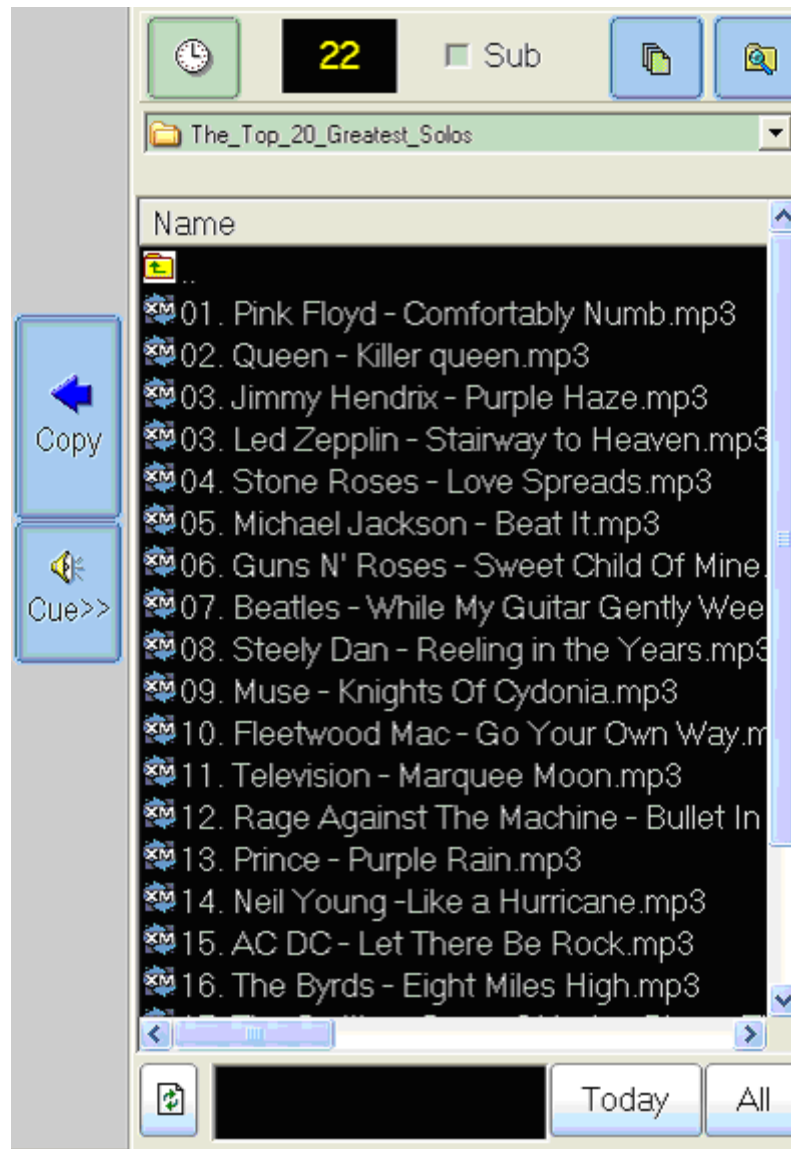


Clicking the tab “J” will be showed an area to play jingles or another audios on channel 3.

Drag and drop the audio from filelist using right button of mouse.

You can copy audio to/from carts using right button of mouse. The audios are not moved, just copied.

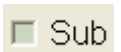
7) How search and select audio files:



Show or hide clock



counter of files



select to show files into subdirectory



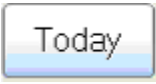
show scripts files



= refresh the files list;

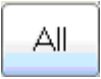


= write the part of filename to seek



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

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



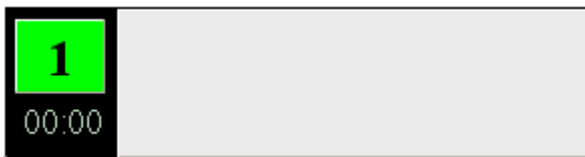
= show all files

### 8) Loading carts

The carts are divided in 6 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.



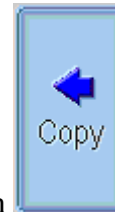
#### a) Copying a file: method drag and drop

Select one file at the list 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 files:

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

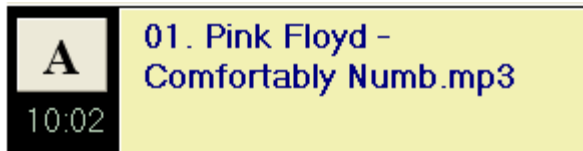


- b. select the audio files to be copied and click the button
- c. all the select files will be copied to the carts;

### 9) Reproduction (play)

Method 1: - left click the cart for reproduction.

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



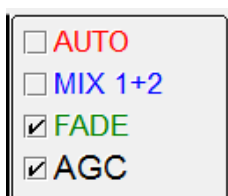
Method 3: - if “buttons with letters” is selected, the numeric buttons will be replaced by letters A to X. Press this letters to play the audios.

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:



### Controls:



**MIX1+2** = only one file will be played each one, avoiding erroneous mix.

**MIX1+2** = allow play two audios at same time;

**AUTO** (MANUAL) : after play one audio, the next cart will be selected e only will be played when the user click the mouse ou press the space bar.

**AUTO** (AUTOMATIC): after play one audio, the next cart will be played.

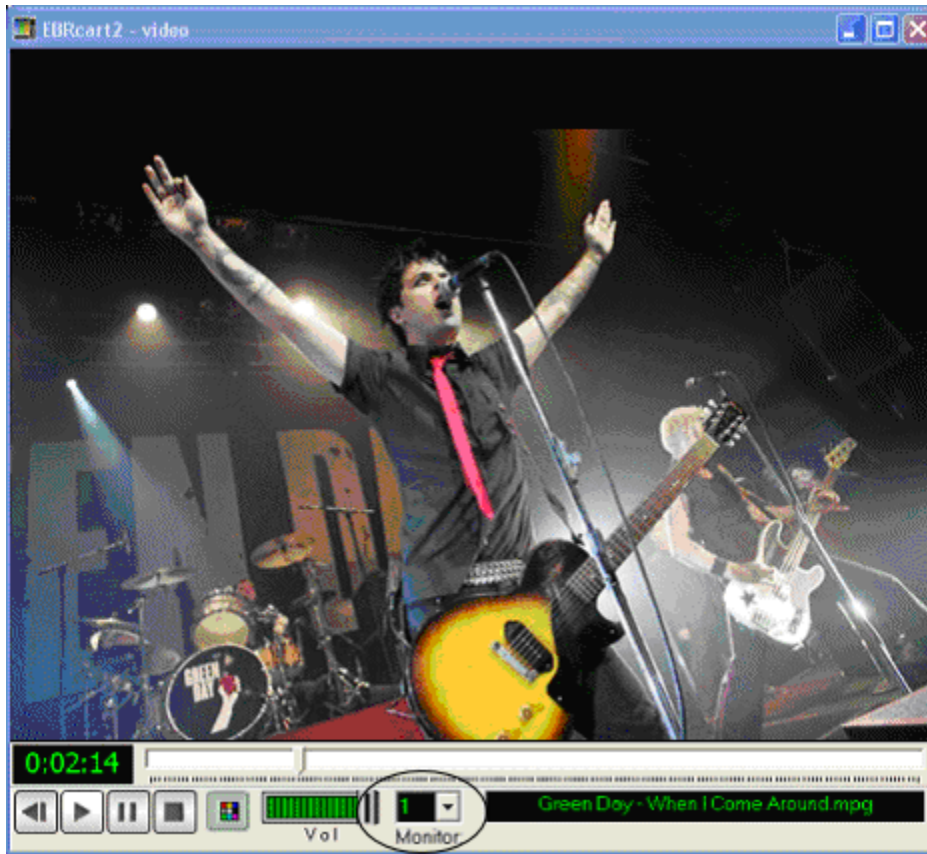
## 10) REPRODUCTION WINDOWS



Clicking in this bar forward ou backward the audio.

Click the name to stop reproduction

## PLAYING VIDEO CLIPS



This window is displayed over the main window.

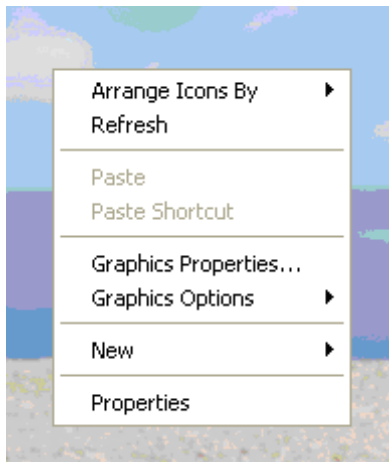
## ACTIVATING A SECOND MONITOR

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

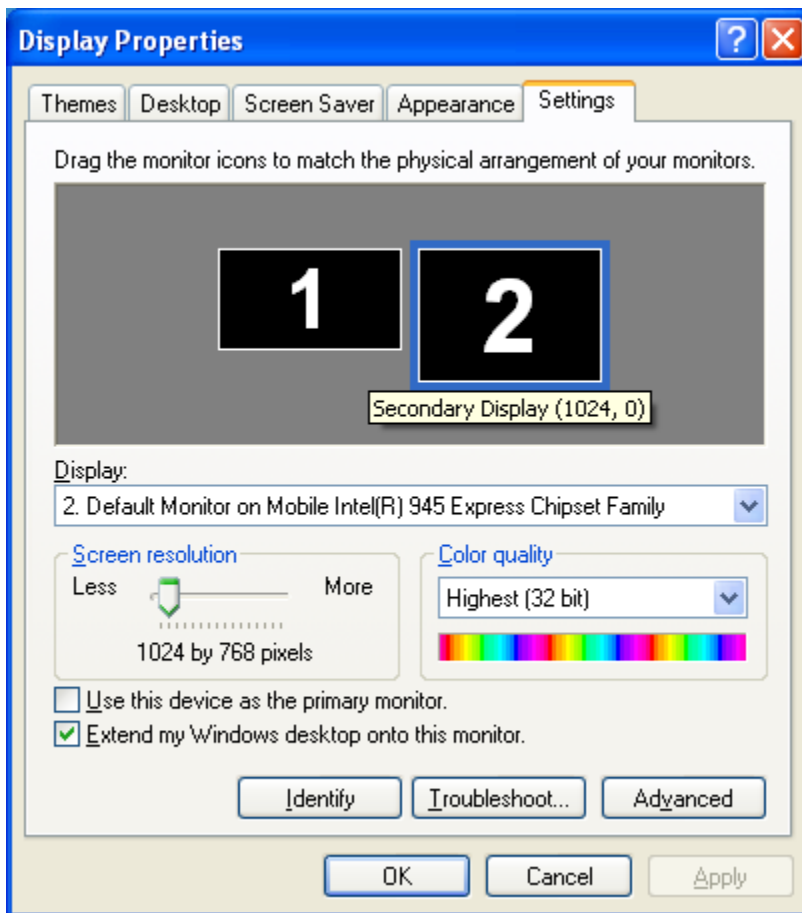
In television application, any images being output from EBRcart can go to a switcher and then over the air.

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



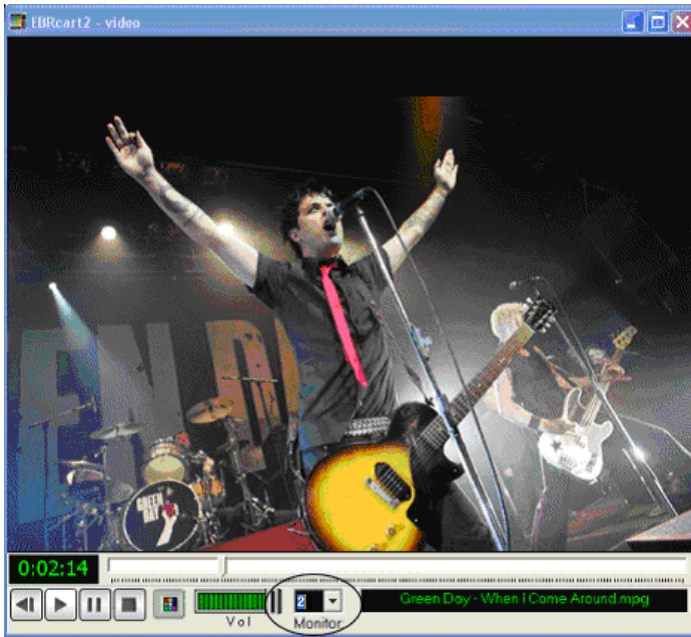


2 – click number 2 (secondary display) e check “Extend my windows ...” and click OK.



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

