

USB_RDS_Coder_PC_soft_and_driver RDS USB user manual :

=====

Author : G. Laroche

Date : 18/08/2007

website : <http://www.g.laroche.free.fr>

This file list available parameters for USB RDS coder software version 1.0 and 1.2

RdsUsb manual synthesis:

RAM data are current sending data and could be dynamically modified

EEPROM data are default data , used to initialise RAM data at power ON

2A Group : In this software version only 0A group and 2A group can be generated.

0A group is necessary for basic information.

2A group is optionnal and used for radiotext.

2A group parameter allow to select 2A group rate as follow:

0 : no radiotext

1 : 2A group send every 1 0A group (alternatively 0A /2A)

2 : 2A group send every 2 0A group (0A / 0A / 2A , 0A ...)

3 : 2A group send every 3 0A group

...

Stereo : 57KHz clock select : external clock is required for stereo mode .

0 : mono

1 : stereo

PSName : Program Service Name (8 char)

PTY : Program Type according to the following list:

0 None

1 News

2 Inform

3 Sports

4 Talk

5 Rock

6 Cls_Rock

- 7 Adlt_Hit
- 8 Soft_Rck
- 9 Top_40
- 10 Country
- 11 Oldies
- 12 Soft
- 13 Nostalga
- 14 Jazz
- 15 Classicl
- 16 R_&_B
- 17 Soft_R&B
- 18 Language
- 19 Rel_Music
- 20 Rel_Talk
- 21 Persnlty
- 22 Public
- 23 College
- 24 Not used
- 25 Not used
- 26 Not used
- 27 Not used
- 28 Not used
- 29 Weather
- 30 Test
- 31 Emergency

MS : Music /speech :
 0 : speech broadcasting
 1 : music broadcasting

DI : Decoder Information dceimal value according to the following bits :

b3	b2	b1	b0	
			+	---> 0 = mono broadcasting
				1 = stereo broadcasting
		+	----->	0 = not artificial head transmission
				1 = artificial head transmission
	+	----->		0 = not compressed transmission
				1 = compressed transmission
+	----->			0 = PTY static
				1 = PTY dynamic or EON

TP : Traffic Possible

1 : This program carries traffic announcements. If TA flag is set, a traffic announcement is being broadcast on this program at present.

0 : No traffic data are broadcast on program at present.

```
1 : Traffic data are broadcast on program at present
```

PI code : Program Identification code hexadecimal value according to the following bits fields :

Code assignments for bits b11 to b0 should be decided by relevant authorities in each country individually.

```
|
|                                     |
|                                     +-----> 0      : Not assigned
|                                     1 -> FF : In order to clearly identify program
|
|                                     +-----> 0      : Local program
|                                     1       : International program
|                                     2       : National Program
|                                     3       : supra regional program
|                                     4 ->F   : regional program
|
+-----> see RDS normative for complete description
```

```
0 : No AF used
1 : only first AF used (AF00)
2 : 2 AF used (AF00 and AF01)
...
25: All AF used (AF00 to AF24)
```

AF00 to AF24 : Alternative frequencies in MHz
From 87.6 MHz to 107.9 MHz step 100KHz

