

6. When this updating is completed, the LCD screen displays the same information as the standard startup, with or without Main Media (Please refer to [First boot](#) (page 22)). The update of the “Firmware” is completed. You can turn off the player, remove the USB flash drive (or the SD card) used for the update.
7. Perform a standard startup of the player.

**\*Caution!** Do not remove the update USB flash drive (or the update SD card) until the operation is completed

## 9.11. Settings of the Parameters with “system.ini” File

### . Introduction

Regardless of the player configuration with the front panel user interface or the web server, the player can be configured using a configuration file. This makes possible to use any function of updating content, as explained into the chapter Management of the Main Storage Device Content (page 39), to configure the player when the player is not accessible physically or with the web server. This makes also possible to deploy a large number of devices with a USB flash drive and a copy script.

### . Principe

During startup, the player applies the instructions of the `system.ini` configuration file copied into the folder `SYSTEM` of the Main Media. When the setup is finish, the player deletes this file.

The configuration file is a text file (raw text, without formatting) named `system.ini` that can be created with any simple text editor like the Notepad from Windows, or similar. This file must be saved with the ANSI encoding. And did not include any special characters. Only the 7-bit ASCII character set is allowed. This means that special characters that are not part of the following character list are not allowed. Also, some characters not allowed by the Microsoft conventions for file and folder names are excluded.

*List of allowed characters into the configuration file*

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E
F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i
j	k	l	m	n	o	p	q	r	s	t	u	v	w	x
y	z	!	#	\$	%	&	'	(	)	+	,	-	.	;
=	@	[	]	^	_	`	{	}	~	(Space)				

A configuration file is structured with 7 types of sections:

1. `[multimedia]` : section of the general settings of the player.
2. `[system]` : section of the system settings of the player.
3. `[audio]` : section of audio settings of the player.
4. `[ftp]` : section of FTP settings of the player.
5. `[network]` : section of network settings of the player.
6. `[webradio]` : section of web radio settings of the player.
7. `[webserver]` : section of web server settings of the player.

A section is composed of its name between `[ ]` (section header) on one line, followed by one to several parameters on subsequent lines. Only one parameter per line is accepted. A parameter line is composed of the parameter name, followed by the `=` character, and the value assigned to the parameter. The blank lines are ignored. Only the parameters present into the configuration file will overwrite the corresponding internal

settings of the player. The other internal settings of the players will not be affected.

*Example structure of a configuration file*

```
[name of the section]
name of the first parameter=value assigned to the parameter
name of the second paramete=value assigned to the parameter
etc.
```

**Note:** to restore the default factory parameter of the player, perform a “firmware update with the reset of the player settings” as explained into the chapter Updating the Firmware (page 61).

## . List of configuration parameters

*Configuration parameters of the [multimedia] section*

Parameter Name	Default Value	Accepted Value	Description
MainSource	NOMEDIA	NOMEDIA or USB for the My Music Player LE and NOMEDIA, USB-EXT, USB-INT, SD-CARD or HDD-INT for the My Music Player.	Storage device port used for the Main Media.
StartupPlaybackSource	OFF	OFF, MUS, PLS, WEBRADIO, LAST or SCHEDULER (or AUX-INPUT My Music Player only).	Playback source to be played at player the startup.
StartupPlaybackMode	RND	RND, RND+RST, SEQ or SEQ+RST.	Playback mode to be used when MUS or PLS are selected as “Autoplay” source.
StartupPlaybackID	1	From 1 to 999 for the MUS and PLS, and from 1 to 10 for the WEBRADIO.	Number of folder or web radio to be used when MUS or PLS or WEBRADIO are selected as “Autoplay” source.
Cache	320	From 32 to 10240.	Total cache size (in kB) of the web radio.
CacheMin	20	From 0 to 99.	Minimum percent of the total cache needs to be filled prior to play the web radio stream starts again.
WRadioFailureFolderID	1	From 1 to 999.	Number of the MUSIC folder to by played when the web radio stream is cut.
WRadioFailureTimeOut	20	From 20 to 999.	Stream stability duration time (in second) prior to the web radio stream starts again.
CacheUnderrunPause	0	0 (enabled) or 1 (disabled).	Enable or disable the web radio playback pause when the memory cache is empty instead to play a MUSIC folder.
CacheOverrunSkip	0	0 (enabled) or 1 (disabled).	Enable or disable the skipping of a part of the memory cache when it is overloaded by the web radio server.

*Configuration parameters of the [system] section*

Parameter Name	Default Value	Accepted Value	Description
Banner	My Music Player	16 characters	Default product name on the first line of

		maximum.	the LCD screen when the player is stopped.
UserPass=xxxx	(empty)	A code of 4 digits between 0 and 9.	“User” menu access password into the advanced menu of the front panel user interface.
AdminPass=xxxx	(empty)	A code of 4 digits between 0 and 9.	“Administrator” menu access password into the advanced menu of the front panel user interface.

*Configuration parameters of the [audio] section*

Parameter Name	Default Value	Accepted Value	Description
MasterVolume	0	From 0 to -64.	Volume attenuation for the main volume.
VolumeOutRCA	0	From 0 to -64.	Volume attenuation for the RCA audio outputs.
VolumeOutXLRamp	0	From 0 to -64.	Volume attenuation for the XLR (My Music Player) or amplified (My Music Player LE) audio outputs.
GainOutRCA	0	From 0 to 9.	Volume gain of the RCA audio outputs.
GainOutXLRamp	0	From 0 to 9.	Volume gain of the XLR (My Music Player) or amplified (My Music Player LE) audio outputs.
PlayerVolume	0	From 0 to -64.	Volume attenuation for audio file playback.
WebradioVolume	0	From 0 to -64.	Volume attenuation for the web radio streams.
AuxVolume	0	From 0 to -64.	Volume attenuation for the auxiliary audio input. (My Music Player only)
FadeOut	0	From 0 to 5.	Fade out duration time.
FadeIn	0	From 0 to 5.	Fade in duration time.

*Configuration parameters of the [ftp] section*

Parameter Name	Default Value	Accepted Value	Description
MediaUpdatePass	(empty)	32 characters maximum.	Protection password for the update of content with the script procedure using the zip compressed files.
FTPWaitRetry	5	From 0 to 999.	Number of seconds to wait prior to reconnect the player to a FTP server once disconnected to this server.
FTPTries	5	From 0 to 99.	Number of trials to perform in order to connect the player to a FTP server prior to the abortion of the FTP update.
FTPPassive	0	0 (disabled) or 1 (enabled).	Enable or disable the passive mode in order to determine the setting up of the FTP connection port.
FTP <sub>x</sub> Name	(empty)	255 characters maximum.	Arbitrary name for the FTP client preset.
FTP <sub>x</sub> Host	(empty)	255 characters maximum.	Address (URL) of the FTP server.

FTP <sub>x</sub> Port	21	From 1 to 65535.	FTP connection port number.
FTP <sub>x</sub> User	(empty)	255 characters maximum.	Username for the access to the FTP server.
FTP <sub>x</sub> Pass	(empty)	255 characters maximum.	Password for the access to the FTP server
FTP <sub>x</sub> Folder	(empty)	255 characters maximum.	Path of the FTP server from which the update will be performed.
FTP <sub>x</sub> Mode	Sync	Sync or Script.	Update content mode with the FTP server.
FTP <sub>x</sub> SyncInclude	(empty)	255 characters maximum.	List of folder or file paths in the Main Media which will be included with the file FTP synchronization mode.
FTP <sub>x</sub> SyncExclude	(empty)	255 characters maximum.	FTP. List of folder or file paths in the Main Media which will be excluded with the file FTP synchronization mode.
x is the number of the FTP client between 1 and 10			

*Configuration parameters of the [network] section*

Parameter Name	Default Value	Accepted Value	Description
Dhcp	1	0 (disabled) or 1 (enabled).	Enable or disable the Dynamic Host Configuration Protocol (DHCP) service.
IpAddr	0.0.0.0	From 000.000.000.000 to 255.255.255.255.	Fixed IP address of the player when the DHCP option is disabled.
IpMask	0.0.0.0	From 000.000.000.000 to 255.255.255.255.	Sub-network mask address of the player when the DHCP option is disabled.
Gateway	0.0.0.0	From 000.000.000.000 to 255.255.255.255.	Gateway address of the player when the DHCP option is disabled.
Dns	1	0 (disabled) or 1 (enabled).	Enable or disable the automatic Domain Name System (DNS) service.
PrimaryDns	0.0.0.0	From 000.000.000.000 to 255.255.255.255.	Primary DNS address of the player when the automatic DNS service is disabled.
AlternativeDns	0.0.0.0	From 000.000.000.000 to 255.255.255.255.	Alternative DNS address of the player when the automatic DNS service is disabled.

*Configuration parameters of the [webradio] section*

Parameter Name	Default Value	Accepted Value	Description
WRadio <sub>x</sub> Name	(empty)	255 characters maximum.	Name for the web radio preset.
WRadio <sub>x</sub> Ip	(empty)	255 characters maximum.	MP3 address or M3U address for the web radio stream.
x is the number of the web radio between 1 and 10			

*Configuration parameters of the [webserver] section*

Parameter Name	Default Value	Accepted Value	Description
UserName	user	32 characters maximum.	Username of the “User” account.
UserPass	user	32 characters maximum.	Password of the “User” account.
AdminName	admin	32 characters maximum.	Username of the “Administrator” account.
AdminPass	admin	32 characters maximum.	Password of the “Administrator” account.

**. Example***Example of configuration file*

```
[multimedia]
StartupPlaybackSource=SCHEDULER
WRadioFailureFolderID=45
[audio]
PlayerVolume=-10
WebradioVolume=0
FadeIn=2
FadeOut=2
[ftp]
FTP1Name=My Server
FTP1Host=ftp.server.access.com
FTP1Port=21
FTP1User=PlayerAccess
FTP1Pass=PWD123
FTP1Folder=Group1/
FTP1Mode=Sync
FTP1SyncInclude=
FTP1SyncExclude=
[webradio]
WRadio1Name=Rock Radio
WRadio1Ip=http://my.webradio.com/rock-stream.mp3
WRadio2Name=Soul Radio
WRadio2Ip=http://other.webradio.eu/live/soul-stream.mp3
[webserver]
AdminPass=AdminAccess
AdminName=123456
UserName=ClientAccess
UserPass=AbCdEf
```

In the following example:

1. The playback source to be played at the player startup is defined by the timestamped programming (Scheduler). Section: `[multimedia]`, parameter: `StartupPlaybackSource=SCHEDULER`.
2. The music folder `MUS045` is played when the stream of the web radio is lost. Section: `[multimedia]`, parameter: `WRadioFailureFolderID=45`.
3. The audio files are played with a volume attenuation of -10 and the web radios are played without volume attenuation. Section: `[audio]`, parameter: `PlayerVolume=-10` et `PlayerVolume=-10`.
4. The fade in and fade out between playback sources are set to 2 seconds. Section: `[audio]`, parameter: `FadeIn=2` and `FadeOut=2`.
5. The FTP client number 1 (section: `[ftp]`) is set as follows:
  - FTP client name: `My Server`.

- Parameter: `FTP1Name=My Server`.
  - FTP server address: `ftp.server.access.com`.  
Parameter: `FTP1Host=ftp.server.access.com`.
  - Connection port number: 21.  
Parameter: `FTP1Port=21`.
  - Username for the access to the FTP server: `PlayerAccess`.  
Parameter: `FTP1User=PlayerAccess`.
  - Password: `PWD123`.  
Parameter: `FTP1Pass=PWD123`.
  - Path of the FTP server from which the update will be performed: `Group1/`.  
Parameter: `FTP1Folder=Group1/`.
  - Update content with the FTP server in synchronization mode.  
Parameter: `FTP1Mode=Sync`.
  - List of folder or file paths in the Main Media which will be included with the file FTP synchronization mode: (none).  
Parameter: `FTP1SyncInclude=`.
  - List of folder or file paths in the Main Media which will be excluded with the file FTP synchronization mode: (none).  
Parameter: `FTP1SyncExclude=`.
6. The web radios number 1 and 2 (section: `[webradio]`) are set as follows:
- Name of Web radio 1: `Rock Radio`.  
Parameter: `WRadio1Name=Rock Radio`.
  - URL of the stream of the web radio 1: `http://my.webradio.com/rock-stream.mp3`.  
Parameter: `WRadio1Ip=http://my.webradio.com/rock-stream.mp3`.
  - Name of Web radio 2: `Soul Radio`.  
Parameter: `WRadio2Name=Soul Radio`.
  - URL of the stream of the web radio 2: `http://other.webradio.eu/live/soul-stream.mp3`.  
Parameter: `WRadio2Ip=http://other.webradio.eu/live/soul-stream.mp3`.
7. The access to the web server of the player (section: `[webserver]`) is set as follows:
- Username of the “User” account: `AdminAccess`.  
Parameter: `AdminPass=AdminAccess`.
  - Password of the “User” account: `123456`.  
Parameter: `AdminName=123456`.
  - Username of the “Administrator” account: `ClientAccess`.  
Parameter: `UserName=ClientAccess`.
  - Password of the “Administrator” account: `AbCdEf`.  
Parameter: `UserPass=AbCdEf`.