User's Guide

CREATIVE

00:02:27 CUSTOM 1
Dance to Da Rythm!
2/88

PLAY/PAUSE

DIGITAL
MP3 PLAYER *FX120*

User's Guide

Creative Digital MP3 Player FX120

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The Software License Agreement is found in a separate folder on the installation CD.

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CREATIVE®

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DIGITAL
MP3 PLAYER
FX120

Before You Begin

Before Your Begin

Introduction

Thank you for purchasing Creative's new multi-format player, Creative Digital MP3 Player FX120! Your player can store songs in its music library, and comes equipped with a USB 2.0 connector, so you can transfer audio tracks and data quickly and easily. With your player's built-in FM radio, you can listen to your favorite radio stations. You can also record FM radio in stereo!

Minimum System Requirements

The software applications on the Creative DMP FX120 CD may have higher requirements for basic functionality. Refer to each application's documentation for details.

❍ Microsoft® Windows® XP, Windows Millennium Edition (Me), Windows 2000, or Windows 98 Second Edition (SE)
❍ Intel® Pentium® II 350 MHz, AMD® K6-2® 450 MHz or better processor (Pentium III 450 MHz or higher recommended for MP3 encoding)
❍ CD-ROM drive with digital audio extraction support
❍ USB 1.1™ port (USB 2.0 port recommended)
❍ 64 MB RAM (128 MB recommended)
❍ 30 MB free hard disk space (more needed for storing audio)
❍ SVGA graphics adapter (256 colors, 800 x 600 resolution or better)

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1 A Tour of Your Player

A Tour of Your Player

Your Player at a Glance

Volume Decrease button

Hold switch

Volume Increase button

Scroller

HOLD ➤   VOL   ◄ MODE ►

Top View

LCD screen

PLAY/PAUSE

Play/Pause button

Front View

Headphone jack

Strap lug

USB port

Side Views

Battery panel

Bottom View

Button/Switch	What It Does	Usage Tips
PLAY / PAUSE	❍ Turns the player on and off. ❍ Starts, pauses or continues playback. ❍ Changes Scroller mode in FM Radio mode.	❍ Press and hold until player turns on or off.
HOLD HOLD ➞	❍ Locks and disables all buttons on your player.	❍ Slide the switch to the right to lock the player.
VOLUME DECREASE	❍ Decreases the volume.	❍ Press and hold to decrease the volume quickly.
VOLUME INCREASE	❍ Increases the volume.	❍ Press and hold to increase the volume quickly.
SCROLLER ◀ MODE ▶	❍ Goes to the previous or next track. ❍ Moves ahead or moves back within a track. ❍ Scrolls through menu options. ❍ Selects menu options. ❍ Selects or scans FM radio channels.	❍ During playback, turn and release the Scroller to go to the previous or next track. ❍ During playback, turn and hold the Scroller to move ahead or move back within a track. ❍ Turn the Scroller to scroll through menu options and press the Scroller to select them. This action is also referred to as "Scroll Select".

Using the Scroller

Scroll Select

To "Scroll Select", use the Scroller to scroll to the option you want, and select the option by pressing the Scroller.

The Scroller is one of the most important features of your player. In this document, we will use a new term, "Scroll Select", to indicate that you should use the Scroller to scroll through options and then select the option by pressing the Scroller.

◀ MODE ▶

The Scroller
(top view)

Use the Scroller to scroll
through options

Press the Scroller to select an
option

Depending on the screen you are in, you can have different menu options.

Selecting menu options

You can use the Scroller to make selections in menus. For example, if you are looking at the Menu screen:

Play Mode   A - B

From the **Menu** screen to the **Play Mode** screen

1. Use the Scroller to scroll through the menu options.
2. Press the Scroller to select the menu item.

2   Getting Started

Getting Started

Setting Up Your Player

To install the software, Windows XP and Windows 2000 users must log in as the System Administrator or a user with System Administrator privileges. For more information, refer to your operating system's online Help.

Your Creative DMP FX120 includes software so that you can create audio tracks, manage your music library, and use your player in all supported Windows operating systems. Your installation CD also includes the drivers necessary for Windows 98 SE.

1. Make sure that your player is **NOT** connected to your computer.

2. Insert the Creative DMP FX120 CD into your CD-ROM drive.
    Your CD should start automatically. If it does not, follow the steps below:
    i.   Start Windows Explorer.
    ii. On the left pane, click the **My Computer** icon.
    iii. Right-click the CD-ROM/DVD-ROM drive icon, and then click **AutoPlay**.

3. Follow the instructions on the screen to complete the installation.
    For Windows 98 SE users, make sure the player's **Driver** option is selected on the **Install Software** screen.

4. If prompted, restart your computer.

Inserting Battery

When opening or closing the battery compartment, handle with care.

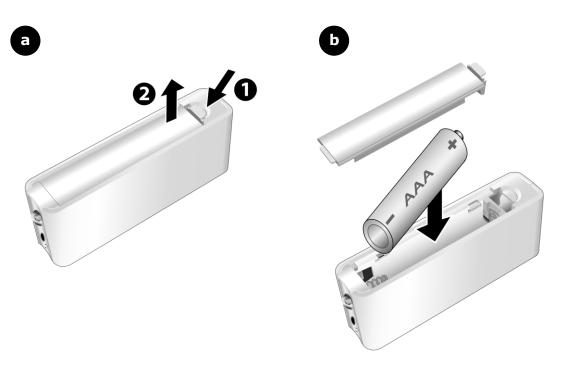*Insert the supplied battery into your player as shown below.*

Figure 2-4:   Inserting the supplied battery into your player.

Power Source and Level Indicators

The amount of playback time available depends on various factors (for example, volume level). For more information, see "Usage" on page C-2.

After inserting the battery, your player displays one of the following icons, depending on the battery's status.

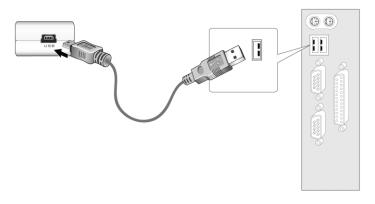| Icon	What the icon means	Notes
	❍ your player's battery is full	❍ this battery state icon shows that the battery is full
	❍ your player's battery is 60% full	❍ this battery state icon shows that the battery power level is high
	❍ your player's battery is 30% full	❍ this battery state icon shows that the battery power level is low ❍ change the battery at the earliest opportunity

Transferring Files

WMA files with Digital Rights Management technology cannot be copied to your player using Windows Explorer. You can only do so with applications like Windows Media Player or Creative MediaSource.

Audio selections have been preloaded to your player to get you started quickly. If you wish to listen to music immediately, simply press the **Play/Pause** button .

To transfer files

1. Connect your player to your computer's USB port using the supplied USB cable.

2. On your desktop, right-click the **My Computer** icon, and then click **Explore**.

3. Copy files into your player using a drag-and-drop operation.

If you wish to download additional music tracks to your player, you can either download music tracks from Internet music sites (see "Downloading from the Internet" on page 2-5) or rip them from your audio CDs to create digital files on your computer. For more information, see "Ripping from a CD" on page 2-6.

Downloading from the Internet

It may be illegal to encode music files for trade or sale unless you have the express or explicit permission of the copyright holder(s).

To get music files from the Internet, use a search engine to locate sites with music content. You can also try out these sites (web sites listed here are correct at the time of this document's release):

❍ Soundbuzz.com
   http://www.soundbuzz.com

❍ Epitonic.com
   http://www.epitonic.com

❍ AMP3.com
   http://www.amp3.com

❍ ArtistOne.com
   http://www.artistone.com

❍ SoundClick.com
   http://www.soundclick.com

Follow the instructions on the site and download the music files to your computer.

Ripping from a CD

The first phase in making an MP3 file is extracting audio data from an audio CD. To extract audio data, you will need a CD-ROM drive that can extract digital audio data, and a program known as a ripper. With Creative MediaSource Organizer, you can rip tracks from most audio CDs. This program uses the CD-ROM drive to read the audio tracks from the audio CD and stores it on your hard disk.

The time needed for a successful audio extraction depends on:
❍ CD-ROM drive speed
❍ defects, like scratches on the audio CD
❍ error-checking features on the CD-ROM drive

Encoding is the second phase of making an MP3 file. Encoders are used to convert the stored audio tracks, usually WAV files, into MP3 files. MP3 encoding is a lossy compression methodology where some data is considered inaudible and is removed before encoding. Using the standard sampling rate and bitrates will ensure that your MP3 files retain much of their audio quality. The standard bitrate of most MP3 files is 128 Kbps, although some are set higher, at 160 or 192 Kbps. Higher bitrates will result in larger MP3 file sizes, with better audio quality. Use Creative MediaSource Organizer to extract audio tracks and encode MP3s.

See the Creative MediaSource Organizer online Help for more information.

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3 Using Your Player

Using Your Player

Your player can function in **Music**, **Recordings** or **FM Radio** mode. In **Music** mode, only MP3 or WMA files are played back and in **Recordings** mode, only FM radio recordings that are recorded by the player, are played back. To switch modes, see "Enabling a Mode" on page 3-2.

Your player also has play modes that allow you to change how your audio tracks are played back. For more information, see "Changing Play Modes" on page 3-4.

Turning On/Off Your Player

Audio tracks are played back in alphanumeric order.

To turn on your player

Press and hold the **Play/Pause** button until your player turns on.

The **CREATIVE** logo appears on the screen. Your player will enter the last mode you were in before you turned if off.

To turn off your player

Press and hold the **Play/Pause** button for a few seconds until after the **Power off** message disappears.

Enabling a Mode

1. Press the Scroller.
   The Main Menu similar to Figure 3-1 appears.

2. Scroll Select the **Music** icon 🎵, **Recordings** icon 💬 or **FM Radio** icon 📻 .

Figure 3-1

Playing Music Tracks

To play a track

1. Press the Scroller.
   The Main Menu similar to Figure 3-2 appears.

Figure 3-2

If there are no audio tracks in your player, the "No music" message will appear on the screen.

2. Scroll Select the **Music** icon (Figure 3-3).

3. Scroll Select a song you want to play. The track is played back automatically. See Figure 3-4 for normal playback view.

Figure 3-3

To transfer audio tracks to your player, see "Transferring Files" on page 2-4.

Play mode icon

EQ setting icon

Lock

Elapsed time

Battery level indicator

Play status icon

Current track number/ Total track number

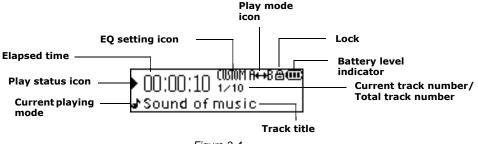Current playing mode

Track title

Figure 3-4

To pause a track

Press the **Play/Pause** button.

To go to the previous track

Turn the Scroller towards the left ◄ and release it.

To go to the next track

Turn the Scroller towards the right ► and release it.

To stop a track

1. Press the **Play/Pause** button to pause the track.
2. Turn the Scroller and release it.
   The **Stop** icon ■ appears on the screen.

Skipping Folders

Skip Folder mode is only available in Music mode.

Your player can only recognize up to one sub folder level in the root directory.

When you have audio files grouped in different folders, and you want to listen to those in a particular folder immediately, use this feature. After the last audio file in that folder has been played back, those from the next folder will be played next.

To select a folder

1. Press the Scroller.
   The Main Menu similar to Figure 3-5 appears.

   Play Mode

   Figure 3-5

2. Scroll Select the **Skip Folder** icon (Figure 3-6). The **Skip Folder** icon 🗁 appears on the screen.
3. Scroll Select the folder that you want.

   Skip Folder

   Figure 3-6

Changing Play Modes

Only one play mode can be enabled at a time.

Play modes are available in Music and Recordings mode, and during music or FM radio playback.

Your player has play modes that allow you to change how your tracks are played back. You can select the play modes during music or FM radio playback, or when you are in **Music** or **Recordings** modes.

The following play modes are available:
❍ A-B
❍ Repeat Track
❍ Repeat All
❍ Repeat Folder (available in Music mode only)
❍ Track Once
❍ Shuffle Repeat
❍ Shuffle Once
❍ Shuffle Folder (available in Music mode only)
❍ Normal

Repeating music

You can choose to repeat a track, folder, all tracks or a portion of a track.

1. Press the Scroller.

Play Mode

Figure 3-7

2. Scroll Select the **Play Mode** icon (Figure 3-7). A list appears (Figure 3-8).
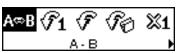
A - B

Figure 3-8

Using Your Player 3-4

Depending on which mode you want, follow the corresponding step:

To repeat a portion of a track

1. Scroll Select the **A-B** icon (Figure 3-9).

   The icon ⟪A⟫B appears on the screen.

2. Press the Scroller to mark the beginning of

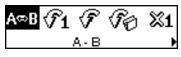   the portion you wish to repeat. The icon A▸B
   appears on the screen.

3. Press the Scroller again to mark the end of the portion. The icon A▸B
   appears on the screen. The marked portion is played back repeatedly.

4. To resume normal playback, enable "Normal" mode as described in
   "Playing all tracks" on page 3-8.

Figure 3-9

A portion of a track can only be repeated once; marking a new portion will automatically remove any markers in the track.

To repeat a track

Scroll Select the **Repeat Track** icon (Figure 3-10).
The **Repeat Track** icon ↻1 appears on the screen and the track is repeated continuously until you stop it or skip to another folder.

Figure 3-10

To repeat all tracks

Scroll Select the **Repeat All** icon (Figure 3-11).
The **Repeat All** icon ↻ appears on the screen and all tracks are repeated continuously until you stop them.

Figure 3-11

To repeat a folder

Scroll Select the **Repeat Folder** icon (Figure 3-12).

The **Repeat Folder** icon ⟳⌐ appears on the screen and tracks in the current folder are repeated continuously until you stop them or skip to another folder.

Figure 3-12

Repeat Folder mode is only available in Music mode.

Playing a track once

When the Track Once play mode is enabled, playback stops once the current track ends.

1. Press the Scroller.

Figure 3-13

2. Scroll Select the **Play Mode** icon (Figure 3-13).
A list appears (Figure 3-14).

Figure 3-14

3. Scroll Select the **Track Once** icon (Figure 3-15.

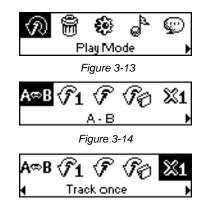The **Track Once** icon ✕1 appears on the screen. Playback stops once the track ends.

Figure 3-15

Shuffling music

You can choose to randomly play tracks.

1. Press the Scroller.
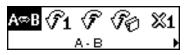2. Scroll Select the **Play Mode** icon (Figure 3-16).
   A list appears (Figure 3-17).

Figure 3-16

Depending on the mode you want, follow the corresponding step:

To randomly repeat all tracks continuously

Scroll Select the **Shuffle Repeat** icon (Figure 3-18).

The **Shuffle Repeat** icon appears on the screen and tracks are selected at random and played back continuously until you stop playback.

Figure 3-17

Figure 3-18

To randomly play all tracks once

Scroll Select the **Shuffle Once** icon (Figure 3-19).

The **Shuffle Once** icon appears on the screen and tracks are selected at random and played back. Playback stops once all the tracks in your player are played back once.

Figure 3-19

To randomly play all tracks in a folder once

Scroll Select the **Shuffle Folder** icon (Figure 3-20).

The **Shuffle Folder** icon ⊹ appears on the screen and all tracks in the folder are selected at random and played back. Playback stops once all the tracks in the folder are played back once.

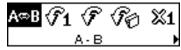*Figure 3-20*

Playing all tracks

When the Normal mode is enabled, all tracks are played back once, in the order that they appear in the play list.
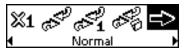
1. Press the Scroller.

Figure 3-21

2. Scroll Select the **Play Mode** icon (Figure 3-21).
   A list appears (Figure 3-22).

Figure 3-22

3. Scroll Select the **Normal** icon (Figure 3-23).
   All tracks play back normally.

Figure 3-23

Listening to FM Radio

With your player, you can listen to your favorite radio station. Your player can automatically scan for stations available in your region, and store the stations as presets for you. In FM Radio mode, your player will display the current radio channel and its preset number.

If there are no saved preset channels in your player, the "No preset found" message will appear on the screen.

FM radio channel

FM 93.30 MHz STEREO — FM tuning status

FM radio mode — 📻 Preset 1

Preset number

Figure 3-24

To change the FM region

Perform these steps when scanning for stations for the first time.

1. Press the Scroller.
   The Main Menu (Figure 3-25) appears.

   Play Mode

   Figure 3-25

2. Scroll Select the **Settings** icon (Figure 3-26).
   A list appears.

   Settings

   Figure 3-26

3. Scroll Select the **FM Region** icon (Figure 3-27). A list appears.
4. Scroll Select the region that you are in.

   FM Region

   Figure 3-27

To perform an autoscan and autosave

1. Press the Scroller.
   The Main Menu similar to Figure 3-28 appears.

Figure 3-28

2. Scroll Select the **FM Radio** icon (Figure 3-29).
   A radio frequency appears on the LCD screen (Figure 3-30).

Figure 3-29

FM 93.30 MHz   STEREO
Preset 1

Figure 3-30

3. Press the Scroller.

4. Scroll Select the **Autoscan** icon (Figure 3-31).
   The player will scan and store channels it detects. At the end of the autoscan, it will play the first channel.

Autoscan

Figure 3-31

To select a channel

1. Press the Scroller.
   The Main Menu similar to Figure 3-32 appears.

Play Mode

Figure 3-32

2. Scroll Select the **FM Radio** icon (Figure 3-33).
   A radio frequency appears on the LCD screen (Figure 3-34).

FM Radio

Figure 3-33

If you do not see a preset channel, press the Play/Pause button.

3. Turn the Scroller to select the preset channel you want.

To manually scan an FM radio channel

1. Press the Scroller.
   The Main Menu similar to Figure 3-35 appears.

2. Scroll Select the **FM Radio** icon (Figure 3-36). A radio frequency appears on the LCD screen (Figure 3-37).
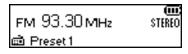
3. If you see a preset channel, press the **Play/Pause** button to switch to Manual Scan view. The preset channel disappears.

4. Turn the Scroller towards the right ▶ to increase the frequency or towards the left ◀ to decrease the frequency.
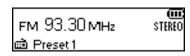
5. To scan for a channel, move the Scroller towards the right or left, and hold for one second.

6. Press the Scroller.

7. Scroll Select the **Save Preset** icon (Figure 3-38).

8. Turn the Scroller to select the preset number you want. Your channel is stored and appears at the bottom-left corner of your screen.

Figure 3-34

Figure 3-35

Figure 3-36

Figure 3-37

Figure 3-38

9.   Repeat steps 2 to 6 to store another channel.

To delete a channel

1.   Press the Scroller.
     The Main Menu similar to Figure 3-39
     appears.

Figure 3-39

2.   Scroll Select the **FM Radio** icon (Figure 3-40).
     A radio frequency appears on the LCD screen
     (Figure 3-41).

Figure 3-40

**If you do not see a
preset channel, press
the Play/Pause
button.**

3.   Turn the Scroller to select the preset channel
     you want.
4.   Press the Scroller.

Figure 3-41

5.   Scroll Select the **Delete Preset** icon (Figure
     3-42).

Figure 3-42

6.   Scroll Select the **Delete Preset <number>**
     icon (Figure 3-43). The preset channel is
     deleted and your player plays the next
     available preset channel.

Figure 3-43

**To switch to FM Preset view or Manual Scan
view**

In FM Preset view, you can see the preset channels and scroll from one
preset channel to another. If you need to fine-tune the radio channel, switch
to Manual Scan view. The preset channel disappears in this view.

1. Press the Scroller.
   The Main Menu similar to Figure 3-44 appears.

Figure 3-44

2. Scroll Select the **FM Radio** icon (Figure 3-45). A radio frequency appears on the LCD screen (Figure 3-46).

Figure 3-45

3. Press the Scroller.

FM 93.30 MHz   STEREO
Preset 1

Figure 3-46

4. Scroll Select the **Scroller mode** icon (Figure 3-47) to switch to the different views. Alternatively, you can press the **Play/Pause** button to switch to the different views while playing a station.

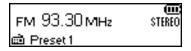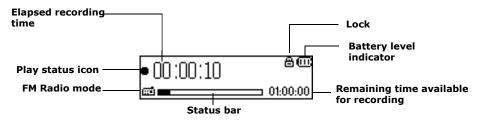*Figure 3-47*

Recording FM Radio

Another great Creative DMP FX120 feature is its ability to record FM radio. Recorded FM radio is encoded directly into IMA ADPCM WAV (at 16 kHz, 4-bit, Stereo) file format.

When recording, note that the available recording time is determined by:
❍ available memory space in your player
❍ battery power remaining in your player

When recording an FM radio program, you will see the status bar showing you the time available for recording, and another showing you the elapsed recording time. Also, the FM Radio icon appears in the bottom-left corner of the LCD screen.

Elapsed recording
time

Lock

Play status icon

Battery level
indicator

00:00:10

FM Radio mode

01:00:00

Remaining time available
for recording

Status bar

Figure 3-48

You cannot pause an FM radio recording.

If you do not see a preset channel, press the Play/Pause button.

To make an FM radio recording

1. Press the Scroller.
   The Main Menu similar to Figure 3-49 appears.

Play Mode

Figure 3-49

2. Scroll Select the **FM Radio** icon (Figure 3-50). A radio frequency appears on the LCD screen (Figure 3-51).

FM Radio

Figure 3-50

Using Your Player 3-14

3. Turn the Scroller to select the preset channel you want.

4. Press the Scroller.

FM 93.30 MHz   STEREO
🎙 Preset 1

Figure 3-51

5. Scroll Select the **FM Recording** icon (Figure 3-52).
    A recording bar appears on the LCD screen and recording starts.
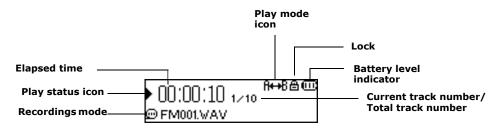
FM Recording

Figure 3-52

6. Press the **Play/Pause** button to end the recording. A name is automatically assigned to your FM radio recording and the file is saved in your player. The naming convention typically used is: **FM [Current File Number]**.

To play FM Radio tracks that you have recorded on your player, see "Playing FM Recordings" on page 3-15.

Playing FM Recordings

FM radio recordings can also be played back on a computer.

It is simple to play back the FM Radio tracks you have recorded. In **Recordings** mode, your player will display the elapsed time, track number and file name of the recorded track.

Play mode icon

Lock

Elapsed time

Battery level indicator

Play status icon

Current track number/ Total track number

Recordings mode

▶ 00:00:10 1/10
🔘 FM001.WAV

Figure 3-53

A recorded FM radio file starts with "FM".

To play an FM recording

1. Press the Scroller.
   The Main Menu similar to Figure 3-54 appears.

2. Scroll Select the **Recordings** icon (Figure 3-55).

3. Scroll Select a recording you want to listen to. The track is played back automatically.

Figure 3-54

Figure 3-55

To delete a recording, see "Deleting Audio Files" on page 3-18.

EQ Settings

Enhancing Your Music

EQ settings are only available in Music mode.

Your player allows you to enhance your listening experience with EQ settings. The EQ settings available in your player include:
❍ Rock
❍ Pop
❍ Classical
❍ Jazz
❍ Custom EQ
❍ Normal

You can use EQ settings with your currently playing audio. This simple process is described in the following instructions.

1. Press the Scroller.
   The Main Menu (Figure 3-56) appears.

Figure 3-56

2. Scroll Select the **EQ** icon (Figure 3-57).

Depending on which EQ setting you want, follow the corresponding step:

Figure 3-57

To select Rock, Pop, Classical, Jazz or Normal

   Scroll Select the EQ setting you want.
   The selected **EQ** icon appears on the screen.

To define your own EQ settings

1. Scroll Select the **Custom EQ** icon
   (Figure 3-58).
   The **Custom EQ** screen (Figure 3-59)
   appears.

Figure 3-58

2. Five vertical control levers will appear in the
   display. Each lever represents successively
   higher frequencies that can be controlled. 62
   Hz controls bass frequency, 250 Hz adjusts
   the low mid-range frequency, 1 kHz adjusts
   the mid-range frequency, 4 kHz adjusts the
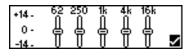   upper mid-range frequency and 16 kHz
   adjusts the treble frequency.

Figure 3-59

3. Scroll Select each vertical control level. Use the Scroller to move the control knob up or down to vary the amount of boost or reduction in the selected frequency range.

4. Scroll Select the check mark to exit the **Custom EQ** screen.

Deleting Audio Files

This action permanently deletes tracks or recordings from your player.

To delete an audio file

1. Press the Scroller.
   The Main Menu similar to Figure 3-60 appears.

Figure 3-60

2. Scroll Select the **Music** icon ♪ or
   Recordings icon 💬.

3. Scroll Select the track or FM file that you want to delete.

4. Press the Scroller.

5. Scroll Select the **Delete** icon (Figure 3-61). A list appears.

Figure 3-61

6. Scroll Select the **Confirm Delete** icon (Figure 3-62). The track or FM file is permanently deleted from your player.

Figure 3-62

User Preferences

Your player offers many configuration options. You can
❍ specify contrast settings
❍ change the LCD screen's backlight duration
❍ select the default language
❍ select the FM region
❍ specify how long the player remains inactive before it automatically shuts down
❍ access the information screen

1. Press the Scroller.
   The Main Menu similar to Figure 3-63 appears.

Figure 3-63

2. Scroll Select the **Settings** icon (Figure 3-64).
   A list appears (Figure 3-65).

Depending on which configuration option you want, follow the corresponding step:

Figure 3-64

To set the contrast level for your player's screen

1. Scroll Select the **Contrast** icon (Figure 3-65).
   The **Contrast** screen (Figure 3-66) appears.

Figure 3-65

2. Use the Scroller to increase or decrease the LCD contrast. The lower the number, the lower the LCD contrast.

Figure 3-66

To adjust the screen backlight duration

1. Scroll Select the **Backlight** icon (Figure 3-67).

2. Scroll Select to select the backlight duration, or to disable the backlight entirely. A lower number setting conserves battery power for longer playback time.

Figure 3-67

To change the default language

1. Scroll Select the **Language** icon (Figure 3-68).

2. Scroll Select the language that you want.

Figure 3-68

To change the FM region

1. Scroll Select the **FM Region** icon (Figure 3-69). A list appears.

2. Scroll Select the region that you are in.

Figure 3-69

To specify how long the player remains inactive before it automatically shuts down

1. Scroll Select the **Idle Shutdown** icon (Figure 3-70).

2. Scroll Select the duration you want the player to wait for before automatically shutting down.

Figure 3-70

To view the player's firmware version, the total amount of space and the amount of free space in your player for storing music or data, and the number of tracks

1. Scroll Select the **Information** icon (Figure 3-71).

2. Scroll Select the information you want to see.

Figure 3-71

Locking and Unlocking Your Player

Locking your player will disable all buttons on the player. This feature is useful when you do not want any buttons (for example, **Play/Pause**) pressed accidentally.

To lock your player

Slide the **Hold** switch to the right.
The player is locked. The **Lock** icon ▤ appears at the top of the LCD screen.

To unlock your player

Slide the **Hold** switch to the right.
The player is unlocked.

Formatting Your Player

For Windows XP and Windows 2000, under the File Allocation Table (FAT) system option, you must select FAT, instead of FAT32, before formatting the player.

You may at times need to clear your player's memory during normal use. Use Windows Explorer to easily clear your player's memory for the efficient transfer, storage and playback of music files.

To clear your player's memory

1. Connect your player to your computer.

2. In Windows Explorer, select the drive your player is assigned to, for example, **Removable Disk (F:)** (replace **F:** with the drive letter of your player).

3. Right-click and select **Format**. The dialog box similar to Figure 3-72 appears.

4. Click the **Start** button.

Format - Removable Disk (J:)

Capacity:

491.2 Mb

Format type
- Quick (erase)
- Full
- Copy system files only

Other options
Label:

☐ No label
☑ Display summary when finished
☐ Copy system files

Start

Close

Figure 3-72

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4 **Software Applications**

Software Applications

About Creative MediaSource

To listen to transferred audio tracks, your player must be in Music mode. For more information, refer to "Playing Music Tracks" on page 3-2.

You may use also Windows Explorer to transfer audio and data files. For more information, see "Transferring Files" on page 2-4.

Creative MediaSource is included on your installation CD (see "Setting Up Your Player" on page 2-1).

Basic instructions on how to use Creative MediaSource are provided in the Creative MediaSource Help.

If you wish to download additional music tracks to your player, you can either download music tracks from Internet music sites (see "Downloading from the Internet" on page 2-5) or "rip" them from audio CDs to your computer (see "Ripping from a CD" on page 2-6).

A Technical Specifications

Technical Specifications

Player

Size (W x L x D)
❏ 28.7 mm (1.1") x 71.3 mm (2.8") x 16.5 mm (0.6")

Weight
❏ 26.5 g (without battery) or 39 g (with AAA-sized battery)

Capacity
❏ 128/256/512 MB built-in flash memory (depending on model)

Battery Type
❏ AAA-sized battery (alkaline recommended)

Battery Life
❏ MP3 (128 kbps), up to 17 hours of continuous playback.
❏ WMA (64 kbps), up to 15 hours of continuous playback.
The following may reduce the playback time:
  • turning the scroller to move within a track or to select tracks during playback
  • using passive speakers or high-power headphones
  • setting long backlight timeout (more than 10 secs)
  • playing back .WMA files with a high bitrate and/or heavy bass
❏ FM Radio, up to 18 hours of continuous reception.

Interface
❏ USB 2.0 (USB 1.1 compatible)

Playback Formats
❏ MP3 (at 8, 11.025, 12, 16, 22.05, 24, 32 and 44.1 kHz)
❏ WMA (at 16, 22.05, 24, 32 and 44.1 kHz)
❏ WMA with Digital Rights Management (at 16, 22.05, 24, 32 and 44.1 kHz)

FM Receiver	❏ Stereo and mono ❏ 32 preset stations ❏ Region selectable
FM Recording Formats	❏ IMA ADPCM (at 16 kHz, 4-bit, Stereo)
Signal to Noise Ratio	❏ >90 dB (Headphones)
Channel Separation	❏ >60 dB (Headphones)
Frequency Response	❏ 24 Hz~20000 Hz
Harmonic Distortion	❏ <0.05%
Operating Temperature	❏ 0 to 45°C
Storage Temperature	❏ -20 to 60°C
Firmware[*]	❏ Upgradeable via Internet

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* *Firmware upgrades are available from **www.creative.com***

Headphone Out
- ❏ 3.5 mm (1/8") stereo minijack, 5~7 mW

LCD
- ❏ Monochrome
- ❏ Large 132 x 32 pixel
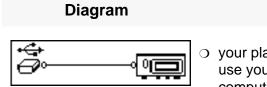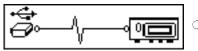- ❏ Blue EL backlit display

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B On Screen Diagram and Icon Guide

On Screen Diagram and Icon Guide

Information Diagrams

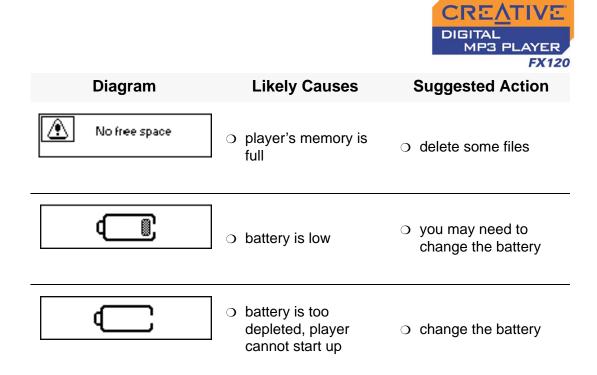| Diagram	Action/Meaning
	❍ your player is connected to your computer. To use your player, disconnect it from your computer (see "Usage" on page C-2).
	❍ files are being transferred to your player.

Should you see any of the following diagrams, take the appropriate recommended step below.

Diagram	Likely Causes	Suggested Action
Hardware error	❍ physical defects ❍ numerous high-impact shocks	❍ call Customer Support Services
Firmware error	❍ unexpected power loss while saving settings	❍ download a newer firmware version ❍ reload firmware ❍ call Customer Support Services
Unrecoverable error	❍ player is unable to perform the selected task (for example, deleting a file)	❍ clear your player's memory ❍ call Customer Support Services
File system error	❍ corrupted audio file ❍ unsupported file system	❍ check that your recorded FM radio file is not corrupted ❍ clear your player's memory ❍ check that the file system you have selected during formatting is FAT only

On Screen Diagram and Icon Guide B-2

Diagram	Likely Causes	Suggested Action
⚠ No free space	❍ player's memory is full	❍ delete some files
🔋 (battery low)	❍ battery is low	❍ you may need to change the battery
🔋 (battery empty)	❍ battery is too depleted, player cannot start up	❍ change the battery

Playback Icons

The following icons appear on the screen when the associated playback action is used.

Icon	Action/Meaning
▶	❍ Play
❚❚	❍ Pause
❙◀	❍ Go to previous track
▶❙	❍ Go to next track
◀◀	❍ Move back
▶▶	❍ Move ahead
●	❍ Record
■	❍ Stop

Play Mode Icons

Icon	Action/Meaning
A↔B	❍ A-B (Segment repeat)
↺1	❍ Repeat Track
↺	❍ Repeat All
↺⌂	❍ Repeat Folder
✕1	❍ Play Track Once
⇄⇄	❍ Shuffle Repeat
⇄1	❍ Shuffle Once
⇄⌂	❍ Shuffle Folder

C Frequently Asked Questions

Frequently Asked Questions

This section covers questions you might have while using your player. It has been divided into a few categories for your easy reference. For further assistance, you may wish to consult our self-help tool "Knowledge Base". Go to www.creative.com and select your region.

General

Where can I get official information on MP3 player products?
Visit Creative's web site at **www.creative.com** for updates and downloads relating to all Creative's MP3 players and accessories.

Windows XP tells me that the software for the player is not certified. What do I do?

At the time of this product's release, Microsoft strongly encouraged companies to submit their hardware solutions for certification. If a hardware device driver is not submitted, or does not qualify, for Microsoft certification, a warning message similar to the one below appears.

You may see this message when installing this driver or update. If you do, you may choose to click the **Continue Anyway** button. Creative has tested this driver or update on Windows XP, and it does not impair or destabilize your computer.

Usage

After playing a sequence of tracks, the player skips a track.

The player will only play valid formats (MP3, WMA, or WAV FM recordings created on the player). Other types of files will be skipped.

Files or tracks are corrupted when transferred to the player.
Transfer may have been interrupted. Before disconnecting your player from
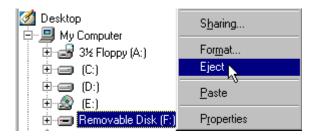your computer, stop your player first.

To stop your player in Windows XP, Windows Me or Windows 2000

▶ Click the **Safely Remove Hardware** icon 🧭 on the Taskbar, click **Safely
remove USB Mass Storage Device**, and disconnect your player when you
are prompted to do so.

To stop your player in Windows 98 SE

▶ In Windows Explorer, right-click the **Removable Disk** icon, click the **Eject**
option, and disconnect your player when you are prompted to do so.

File transfers to the player are very slow (less than 100 kb/sec).
Try clearing your player's memory. For more information, refer to "Formatting
Your Player" on page 3-22.

Can I use the player for portable data storage?

Yes, you can.

I have to change the battery quite often. Is there anything I can do to make it last longer?

Some operations consume more battery power:

❍ A long backlight timeout setting. A shorter timeout conserves battery power.
❍ A high contrast setting. Position the player so that you can read the display without using a high contrast setting.
❍ Too much use of the Scroller to move within a track or to select tracks during playback.
❍ Turning the player on or off too many times.
❍ Use of passive speakers or high-powered headphones.
❍ Playback of WMA files.