MP3 Tester

Revision 1.04

User's Manual

March 2006

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1. Introduction

MP3 Tester examines a collection of MP3 files and reports those files that do not meet the standards that you require.

2. Installation

To install MP3 Tester, run the installation program (MP3TesterSetup.exe) and perform the following steps:

Step 1	Welcome screen	Click **Next** to begin installation.
Step 2	License Agreement screen	Click the agreement check box and then Next to continue.
Step 3	Destination Folder screen	If you wish to change the default destination folder, click **Browse** and select alternate destination. Click **Next** to proceed to next step.
Step 4	Program Group screen	Select the desired program group and click **Next** to proceed.
Step 5	Ready screen	Click **Next** to begin copying the MP3 Printer files.
Step 6	Installation	Wait for files to be copied.
Step 7	Completion screen	Click to **OK** to end installation.

3. Operation

To start, select MP3 Tester on the Start, Programs, MP3 Tester menu. When MP3 Printer

begins, it displays its main screen that looks like this:

To test a collection of MP3 files, you must perform the following steps

· Select files to be tested.

· Select tests to be performed.

· Perform testing.

· Examine results.

These steps are described in the following sections.

3.1. Selecting Files to be Tested

You may add individual files or entire directories of files to the list of files to be tested as

detailed in the following sections.

3.1.1. Adding a Directory of Files

To add a hierarchy of files to the file list, click **Add Directory** on the **File** menu or click the

Add Dir button. Use the directory selection dialog to select the directory that you wish to

add.

3.1.2. Adding Individual Files

To add one or more files to the file list, click **Add Files** on the **File** menu or click the **Add File** button.
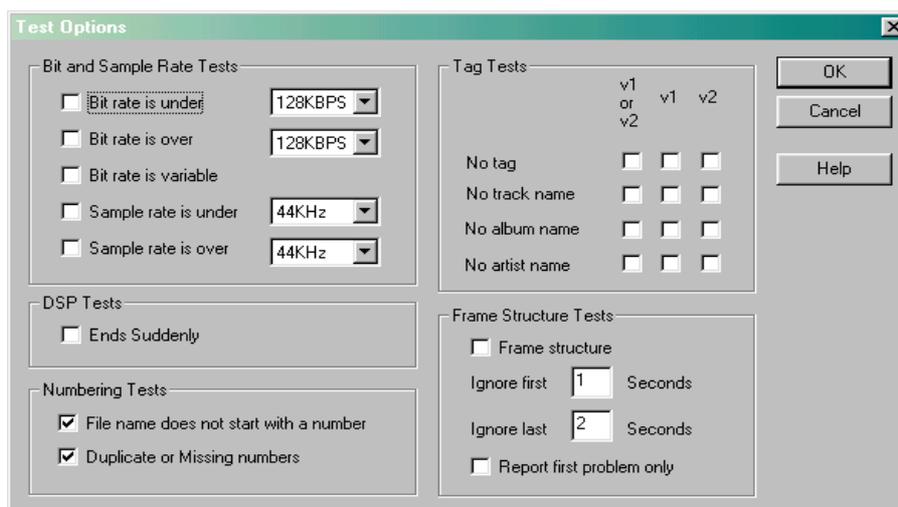
3.1.3. Removing Files

To remove one or more files from the file list, select the files and click **Remove File** from the **File** menu.

3.1.4. Clearing File List

To remove all files from the file list, click **Clear File List** on the **File** menu.

3.2. Selecting Tests to be Performed

To select which tests are to be performed by MP3 Tester, click **Test Options** on the **Test** menu or click the **Options** button.

3.2.1. Bit and Sample Rate Tests

Bit rate is under	When selected, files with a bit rate under the selected value are reported.
Bit rate is over	When selected, files with a bit rate over the selected value are reported.
Bit rate is variable	When selected, files with a variable bit rate are reported.
Sample rate is under	When selected, files with a sample rate rate under the selected value are reported.
Sample rate is over	When selected, files with a sample rate rate over the selected value are reported.

3.2.2. DSP Tests

Ends suddenly   When checked, files that end suddenly are reported.

3.2.3. Numbering Tests

File name does not start with a number   When checked, file names that do not start with a digit are reported.

Duplicate or missing file numbers.   When checked, missing and duplicate file numbers are reported.

3.2.4. Tag Tests

No tag   When selected, files that have no ID3 tag are reported.

No track name   When selected, a file that has a tag but has no track name is reported.

No album name   When selected, a file that has a tag but has no album name is reported.

No artist name   When selected, a file that has a tag but has no artist name is reported.

3.2.5. Frame Structure Tests

Frame structure   When checked, files with bad frame structure are reported.

Ignore first X seconds   Frame errors in the first X seconds are not reported.

Ignore last X seconds   Frame errors in the last X seconds are not reported.

Report first problem only   When checked, only the first frame error in a file is reported.

3.2.6. Length and Size Tests

Length is under   When selected, files that are shorter than the specified value are reported.

Length is over   When selected, files that are longer than the specified value are reported.

Size is under   When selected, files that are smaller than the specified value are reported.

Size is over   When selected, files that are larger than the specified value are reported.

3.3. Performing Tests

To being testing, click **Start** on the **Test** menu or click the **Start** button. To abort testing click **Stop** on the **Test** menu or click the **Stop** button.

3.4. Examining Results

This is where you select how tracks and albums are to be numbered by MP3 Printer. You can specify the following numbering characteristics for album and track numbering.

Icon	Message	Explanation
	Missing file (X)	File number X should have appeared before this file.
	Missing files (X-Y)	Files numbered X till Y should have appeared before this file.
	Duplicate file (X)	Another file with this number exists in the same directory as this file.
	Ends suddenly	This file ends suddenly.
	Has no tag	This file contains no ID3 tag.
	Has no V1 tag	This file contains no V1 ID3 tag.
	Has no V2 tag	This file contains no V2 ID3 tag.
	Has no track name	This file's ID3 tags do not contain a track name.
	Has no V1 track name	This file's V1 ID3 tag does not contain a track name.
	Has no V2 track name	This file's V2 ID3 tag does not contain a track name.
	Has no album name	This file's ID3 tags do not contain a album name.
	Has no V1 album name	This file's V1 ID3 tag does not contain an album name.
	Has no V2 album name	This file's V2 ID3 tag does not contain an album name.
	Has no artist name	This file's ID3 tags do not contain an artist name.
	Has no V1 artist name	This file's V1 ID3 tag does not contain an artist name.
	Has no V2 artist name	This file's V2 ID3 tag does not contain an artist name.
	Bit rate too high (X)	This file's bit rate (X) is under the value that you have specified.
	Bit rate too low (X)	This file's bit rate (X) is over the value that you have specified.

Icon	Message	Explanation
⬆	**Sample rate too high (X)**	This file's sample rate (X) is under the value that you have specified.
⬇	**Sample rate too low (X)**	This file's sample rate (X) is over the value that you have specified.
⇄	**Bit rate is variable**	This file's bit rate is variable.
✕	**Frame error (X/Y)**	This file contains a bad frame at time X. The entire file length is Y.
⬆	**File too long (X)**	File's length (X) is over the value that you have specified
⬇	**File too short (X)**	File's length (X) is under the value that you have specified.
⬆	**File too large (X)**	File's size (X) is over the value that you have specified..
⬇	**File too small (X)**	File's size (X) is under the value that you have specified.

3.4.1. Printing Results

You may print testing results by clicking **Print** on the **File** menu or by clicking the **Print**
button.

3.4.2. Saving Results

You may save testing results by clicking **Save as** on the **File** menu.

3.4.3. Manipulating Results

You may right-click a file listed in the results list in order to manipulate the file. In response,
MP3 Tester displays a pop-up menu that enables you to Play, Delete or Move the selected file.

4. Revision History

4.1. Revision 1.04

- Added file length and size tests.

4.2. Revision 1.03

- Fixed frame test mechanism to eliminate false errors reported at beginning and end of files
- Added option to test for presence or absense of attached pictures
- Added option to test for presence or absense of lyrics tag

4.3. Revision 1.02 R3

- Fixed bug in bit rate detection

4.4. Revision 1.02 R2

- Added support for multiple selection of reported items.

4.5. Revision 1.02

- Added option to save list of bad files as M3U playlist file.
- After moving a bad file, its entry in the file list is updated.
- After deleting a bad file its entry in the file list is delete.
- Added print options that enable suppressing of file paths in printed report.

4.6. Revision 1.01

- Added right click menu for file list.
- Added right click menu for report.
- Added ability to move, delete or play files listed in report.
- Added ability to sort report list by clicking column header.

4.7. Revision 1.00 R4

- Added ability to overcome illegal ID3 V2 tag entries.

4.8. Revision 1.00 R3

- Added ability to save report as a CSV file.
- Added ability to save report as an HTML file.
- Fixed bug in File save function (file path is now saved).
- Fixed bug while checking if bit rate is under specified value.
- Fixed bug while check for no tag (v1 or v2).
- Fixed bug while printing to text printer

4.9. Revision 1.00 R2

- Fixed bug when selecting many files in add files dialog.
- Fixed help file directory bug.

4.10. Revision 1.00

- Initial release.