MANUAL MP-500

VERSION 1.3

Jens of Sweden

ENGLISH

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BEFORE YOU START

PRECAUTIONS

Read the following instructions thoroughly before you start using the product.

JoS AB is not responsible for any problems due to incorrect use of the product before you read these instruction.

- Don't use the product in other ways than described in this manual.
- Don't subject the player to any kind of force or shocks, this can seriously damage the player.
- Avoid extreme heat, shaking or magnetism.
- Keep the player out of any damp environments, which can seriously damage your player to the extent where it no longer can be repaired.
- Wipe off any possible grease stains and other particles using a polishing cloth. Never use paper which can give rise to scratches. Never use gasoline, thinner and similar fluids to clean the player.
- Never take apart your player. This will void your warranty.
- Avoid shaking the player while it's connected to the USB port.
- Fully charge the built-in battery when charging the player.
- If hold is turned on the player cannot be controlled until hold is turned back off.
- Protect the player from foreign objects and materials that might harm the surface of your player.

TRAFFIC SAFETY

Do not use the earphones while riding a bike, driving a car or a motorcycle. It may cause a hazard by impairing your ability to hear what's going on around you, in certain areas it's also a violation of the law. Even walking or using a pedestrian crossing while wearing the earphones and listening at high volumes can be dangerous.

HEARING

To protect your hearing, do not use the earphones at high volumes for an extended time. Health professionals have indicated that it may be dangerous to be exposed to high levels of volume. If you experience ringing in your ears, please lower the volume level or stop using the earphones.

REST YOUR EARS

Prolonged listening at high volumes can cause serious damage to your ears, for example tinnitus or impaired hearing. For questions regarding sound and hearing contact your local Association of Hard of Hearing People.

DIFFERENT FILE FORMATS

WHAT IS MP3?

MP3 is short for MPEG-1 Audio Layer 3-compressiontechnology. The term MP3 files usually refers to files containing music of some kind. MP3 files are compressed to approximately 1/12 of a normal music file that you find on a Compact Disc. MP3 is used under license from Thompson.

WHAT IS MP4?

MP4 or MPEG-4 is not only a file format for video and sound but also the name of a Codec (COmpression and DECompression) in other words a compressed file format. This means that you can have a QuickTime video (.mov) with video and sound compressed with an MPEG-4 codec.

JOS MP-500 only plays video compressed with our transcoding software JOS Transcoder which is available for download at www.jensofsweden.com.

WHAT IS WMA?

WMA is short for Windows Media Audio and is a popular alternative to MP3. WMA gives you the opportunity to compress files harder with out losing quality. WMA files are compressed to approximately 1/24 of a normal music file that you find on a Compact Disc. WMA is used under license from Microsoft.

WHAT IS OGG?

OGG-Vorbis is an open source format with better quality than MP3. It also produces smaller files then MP3 with equal quality.

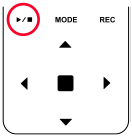
PLAYER FIRMWARE

UPGRADABLE FIRMWARE

MP-500 has an upgradable firmware, this makes it possible for you to download and install the latest firmware from www.jensofsweden.com when a new firmware is release.

FIRMWARE VERSION 1.5

This manual refers to firmware version 1.5 if your player has an older firmware version download and install the latest firmware available on www.jensofsweden.com.



POWER ON / OFF

POWER ON

Press and hold the PLAY / PAUSE-button for more then 2 seconds.

POWER OFF

Make sure the player is set to Pause. Then press and hold the PLAY / PAUSE button for more then 2 seconds.

HOLD

Use the HOLD button to activate and deactivate Hold. When Hold is activated the player will not respond when a button is pressed until Hold is deactivated.

COPY FILES

COPY FILES TO AND FROM THE PLAYER

After you have connected the player to the computer it will automatically appear as a Removable Disk, then you can easily copy files to the player.

1. Connect the player to the computer using the USB cable.
2. The player will automatically appear as a Removable Disk.
3. Copy files to the Removable Disk just like you would to any other folder on the computer.

If the computer can't find the player see MISCELLANEOUS / TROUBLE-SHOOTING

USB MEMORY

MP-500 functions as a so called UMS (Universal Mass Storage) which allows you to easily save and transfer files from your computer. This allows you to store all kind of filetypes on your player, even the kind of files the player can't play or show.

WINDOWS 98

To be able to copy files to the player using Windows 98 you will have to install the appropriate drivers first. These are available at www.jensofsweden.com.

BATTERY / CHARGING

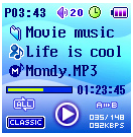
LOW BATTERY WARNING

This warning screen will show when the battery level is low.

When the battery level becomes to low for the player to operate the player will turn off after saving any possible data.

CHARGING THE BATTERY

The player will automatically start charging the battery once it's connected to a computer or a travel charger through the USB-port.



PLAYBACK DURING BATTERY CHARGE

It's possible to play files while charging the battery.

1. When charging the battery through the computer (USB) press the ENTER button. You will then be asked if you wish to exit USB Mode.
2. If you select Yes the file transfer mode will become inactive and the play mode will become active.

WARNING! Before you switch mode, make sure any possible file transfers are completed. If you abort a file transfer you may damage the players flash memory and you may be forced to re-format and re-install the players firmware in which case you will lose all data stored on the player.

LANGUAGE

CHANGE THE LANGUAGE SETTING

The players default language is set to swedish, to change language follow the instructions below.

1. Turn on the player by holding down the PLAY / STOP button.
2. Press and hold the ENTER button to enter the SETTINGS MENU.
3. From the SETTINGS MENU choose DISPLAY ("VISNING" in swedish) by using the NAVIGATE LEFT and RIGHT buttons. Confirm your choise by pressing the ENTER button.
4. Select the menu item LANGUAGE ("SPRÅK" in swedish) by using the NAVIGATE UP and DOWN buttons. Confirm your choise by pressing the MENU button.
5. Select language, for example ENGLISH ("ENGELSKA" in swedish) by using the NAVIGATE UP and DOWN buttons. Confirm your choise by pressing the MENU button.
6. Press the PLAY / STOP button to exit the SETTINGS MENU.

PRODUCT SPECIFICATIONS

PLAYER

Memory: 1GB, 2GB

Size: 81 x 40 x 13 mm

Weight: 51 gram

Speakers: Built-in speakers

Microphone: Built-in microphone

DISPLAY

Size: 1.6 inches

Type: Color TFT LCD

Colors: 260 000 colors

Resolution: 128 x 128

SOUND

Sound Enhancement: SRS/TRUBASS/WOW

Equalizer: Normal, Classic, Jazz, Pop, Rock and 5 User EQs

ID3: V1, V2

Headphone Output: 10 mW + 10 mW

Speaker Output: 110 mW + 110 mW

Frequency Range: 20 Hz - 20 KHz

SN Ratio: 90 dB (FM Radio: 50dB)

MUSIC

File Support: MP3, WMA and OGG

Bitrate, MP3: 8 Kbps - 320 Kbps (Supports VBR)

Bitrate, WMA: 32 Kbps - 192 Kbps

Bitrate, OGG: 44 Kbps - 500 Kbps (Q1 - Q10)

VIDEO

File Support: MP4 (WMV, AVI, ASF, MPG, MPEG) *

* When converted with the provided transcoder

Resolution: 128 x 112

IMAGES

File Support: JPG

TEXT

File Support: TXT

FM RADIO

Presets: 24 Auto Presets

Frequency: 76 MHz - 108.0 MHz

Antenna: Earphone Antenna

FIRMWARE

Type: Upgradable

Languages: English. Swedish.

BATTERY

Type: Rechargeable Li-Polymer (built-in)

Life: Audio: 15.5 hours, Video: 8 hours

Charging Time: 2-3 hours (30 min. with charger)

Working Temperature: -5C - 40C

INTERFACE(S)

Headphones: 3.5 mm Stereo Jack

Line-in: 3.5 mm Stereo Jack

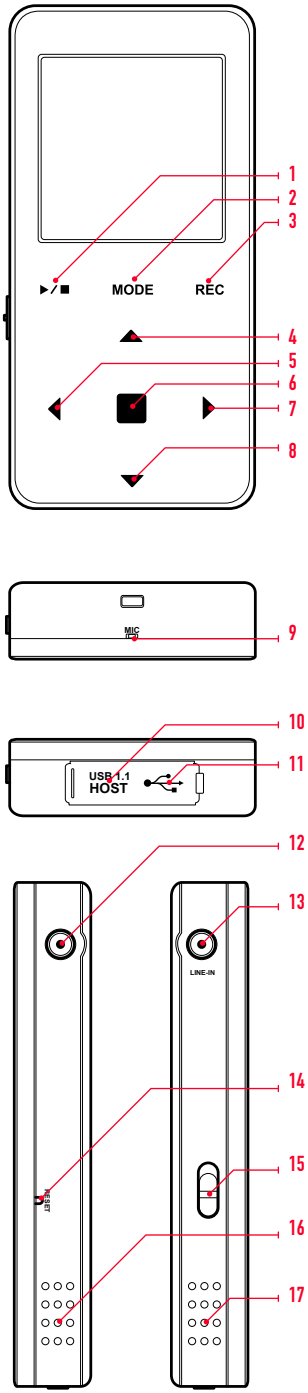
USB: USB 2.0 HiSpeed Type B Mini Jack

USB host: USB 1.1

REQUIREMENTS

O/S: Windows 98SE/ME/2000/XP/2003, Mac 10.2, Linux 2.4.0 or later.

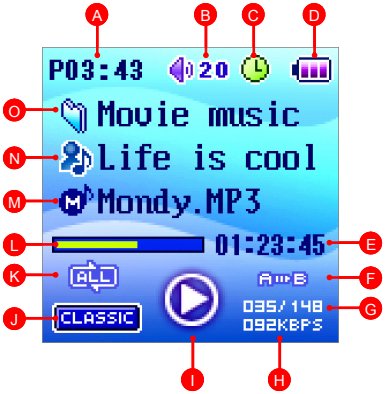
Connection(s): USB port



BUTTONS AND CONNECTIONS

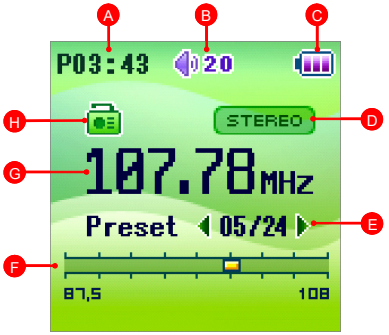
1. Play / Stop
2. MODE
3. REC
4. Navigate Up
5. Navigate Left
6. Enter
7. Navigate Right
8. Navigate Down
9. Built-in microphone
10. USB Host Jack
11. USB Jack
12. Headphones Jack
13. Line-In
14. Reset-button
15. HOLD
16. Built-in Speaker (Right)
17. Built-in Speaker (Left)

THE DISPLAY



MUSIC MODE

A. Clock
B. Volume Level Indicator
C. Alarm
D. Battery Level Indicator
E. Play Time
F. Section Repeat / Bookmark
G. File Number / Total Selected Files
H. Quality measured in kbps (Kilobits per second)
I. Play / Pause
J. Equalizer Mode
K. Play Mode
L. Progressbar
M. Track Title
N. Artist
O. Folder

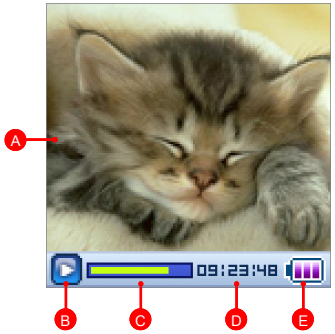


RADIO MODE

A. Clock
B. Volume Level Indicator
C. Battery Level Indicator
D. Mono / Stereo
E. Selected Preset / Total Presets
F. Frequency Indicator Bar
G. Frequency
H. Radio Mode

RECORD MODE

A. Clock
B. Volume Level Indicator
C. Battery Level Indicator
D. Remaining Memory
E. Recording Quality in kbps (Kilobits per second)
F. Frequency in kHz
G. Recording File Format
H. Record Mode
I. Date
J. Recording Source
K. Filename



MULTIMEDIA MODE

A. Movie
B. Play / Pause
C. Progressbar
D. Time
E. Battery Level Indicator

MODE MENU

There are seven different modes. These are Music, Radio, Record, Multimedia, Picture, Text and USB Host.

You can always access the MODE MENU by pressing the MODE button. Switch between the different modes by using NAVIGATE RIGHT and LEFT buttons. Confirm your choice with the ENTER button.

Music Mode for playing music files.

Picture Mode for showing images in JPEG format.

FM Radio for listening and recording radio transmissions.

Text Mode. Show text files in .txt format.

Record through the built-in microphone, external microphone or direct recording from the Line-in jack.

USB Host for tranfering files from another portable USB device.

Multimedia Mode for playing MP4 files. NOTE! Only plays files in MP4 format. To convert your files to MP4 use the supplied transcoder software available at www.jensofsweden.com.

FOLDER NAVIGATION VIEW

When you have selected a mode you can access the FOLDER NAVIGATION VIEW by pressing the ENTER button. To go back to where you were press the PLAY / STOP button

To navigate in the FOLDER NAVIGATION VIEW do the following:

NAVIGATE UP - Selects previous file.

NAVIGATE DOWN - Selects next file.

NAVIGATE LEFT - Move one step up in the folder structure.

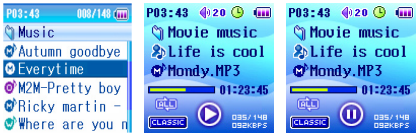
NAVIGATE RIGHT - Open a folder. / Play file.

ENTER - Open a folder. / Play file.

1. MUSIC MODE

PLAY / STOP

1. Choose MUSIC mode.
2. Choose track and confirm your choice by pressing the ENTER button.
3. Press the PLAY / STOP button to play or pause the track.



REWIND / FAST FORWARD

1. Press and hold the NAVIGATE LEFT button to rewind.
2. Press and hold the NAVIGATE RIGHT to fast forward

You can set the rewind and fast forward speed in MENU / GENERAL / SCAN SPEED.

CHANGE THE VOLUME

Change the volume during playback.

1. Press and hold the NAVIGATE UP button to increase the volume.
2. Press and hold the NAVIGATE DOWN button to decrease the volume.

The volume can be set from 0 to a maximum of 40.

CHANGE THE REPEAT SETTING

TO change the repeat setting press and hold the mode button.

The different repeat settings are as follows:

ONE One (Play chosen file once.)

ALL All (Play all files once.)

DIR Dir (Play selected folder.)

Repeat One (Repeat the selected file.)

Repeat All (Repeat all files.)

Repeat Dir (Repeat the selected folder.)

Shuffle All (Play all files in random order.)

Shuffle Dir (Play all files in current directory in random order.)

Repeat Shuffle All (Repeat and play all files in random order.)

Repeat Shuffle Dir (Repeat and play all files in current folder in random order.)

THE EQUALIZER

To switch equalizer during playback press the REC button.

The different equalizers are as follows:

NORMAL, ROCK, JAZZ, CLASSIC, POP, USER 1-5, SRS

KARAOKE / LYRICS

The player supports lyrics of the .lrc format and can therefor function as a small karaoke machine. The .lrc format contains text and time marks which states when the text should be shown. There are a large number of applications available on the internet as freeware / shareware for creating, viewing and/or downloading these files to your computer.

Below follows a few recommendations:

MiniLyrics4 from MiniLyrics is a plug-in that works with the most common media players like Windows Media Player, iTunes, WinAmp etc.

VividLyrics from VividLyrics Development, EvilLyrics from Evil Laboratories and Leos Lyrics Plugin from Leo R are some other examples of applications available for creating, viewing and downloading lyric files available on the internet.

NOTE! JOS AB does not provide any warranties or support for the applications listed above. All rights and obligations rest on respective publisher.

USE .LRC FILES

1. Use one of the above applications or similar to download a .lrc file (see the individual applications support for how to do this).
2. Name the downloaded .lrc file exactly the same as the .mp3 file (for example music.mp3 and music.lrc. If the files don't have identical names before the file extension the lyric function will not work).
4. Connect the player to the computer using the USB Cable.
3. Move both files (.mp3 and .lrc) to the same folder on the player. Both files must be in the same folder for the MP-500 to be able to show the lyrics.

ACTIVATE LYRICS

1. Press and hold down the ENTER button to show the SETTINGS MENU.
2. Choose GENERAL / LYRIC.
3. Activate lyrics by choosing YES
4. Play the music file.

2. RADIO MODE

MANUAL TUNING AND PRESETS

There are two ways to tune in the desired frequency you can either use presets or manual tuning. To switch between these two modes press and hold the MODE button.

It's not possible to switch between these two modes until there is a saved preset available. Until a preset is saved only manual tuning is available.

MANUAL TUNING

Press NAVIGATE LEFT or RIGHT to change the frequency. Continue pressing until the desired frequency is found.

AUTOMATIC STORING OF PRESETS

1. Press the PLAY / PAUSE button. All frequencies will be scanned and stored as up to 24 different presets.
2. Press the PLAY / PAUSE button if you wish to abort the search.
3. Once the search is complete use NAVIGATE LEFT and RIGHT to change selected preset.

MANUAL STORING OF PRESETS

1. Make sure manual tuning is activated.
2. Tune in desired frequency.
3. Press the REC button and confirm the preset number with the ENTER button.
4. The player will automatically switch mode to presets.
5. To store another preset press the ENTER button to switch back to manual tuning and repeat steps 2 -5 again.

CHANGE THE VOLUME

Change the volume during playback

1. Press and hold NAVIGATE UP to increase the volume.
2. Press and hold NAVIGATE DOWN to decrease the volume.

The volume can be set from 0 to a maximum of 40.

FM RADIO RECORDING

1. Press and hold REC until the recording starts.
2. Press and hold the REC button to stop the recording

The recorded file will be stored in the RECORD / FM folder and can be played in the music mode.

NOTE!

Your headphones are used as an antenna. If your headphones aren't connected to the player you will have difficulties getting an acceptable reception.

You can set what quality you wish to record in , see SETTINGS / RECORD

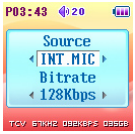
Never connect an external source to the line-in jack when listening to the radio. This can create a sharp distortion.

Turn off the speakers before recording starts to avoid any possible feedback and distortion.

3. RECORD MODE

RECORD

1. Use the NAVIGATE buttons to choose source and recording quality (Bitrate)
2. Confirm the setting and start the recording by pressing the REC button.
3. Stop the recording by pressing the REC button a second time.
4. Depending on selected recording source the files will be stored in the following catalogs.
   - Line-In recordings will be placed in RECORD / LINE IN
   - Voice recordings will be placed in RECORD / VOICE
5. The following information is shown on the screen (example):
   - MP3 – File format of the recorded file
   - 16kHz – Sampling frequency of the recorded file
   - 32kbps – Bitrate quality when recording
   - 468MB – Storage left on the player



RECORD SOURCE

There are two different types of recording modes to choose from:

1. MUSIC (Line In)
   Direct recording from for example a Compact Disc Player. Connect a Line-In cable from the Line-Out port on the external source to the Line-In port on the MP-500.

2. VOICE:
   INT.MIC – Records through the internal microphone.

   EXT.MIC – Records through and external microphone (not included) which is connected to the Line-In jack.

BITRATE QUALITY

A higher bitrate results in better sound quality and larger file sizes.

There are seven different bitrates to choose from; 32, 48, 64, 96, 128, 160 and 192kbps.

RECORD SETTINGS

The following settings can be made in the settings menu which you'll find by holding down the ENTER button, then use the NAVIGATE buttons to select Record. Once you have entered the Record menu select which recording mode you wish to change settings for by pressing NAVIGATE RIGHT.

The following settings can be made for each recording mode:

VOLUME IN:

Use the NAVIGATE LEFT and RIGHT buttons to set the volume-in level from 0 to 40.

VOLUME OUT:

Use the NAVIGATE LEFT and RIGHT buttons to set the volume-out level from 0 to 40.

TIMER RECORDING

The following settings can be made in the settings menu, hold down the ENTER button to enter the settings menu, select TIMER using the NAVIGATE buttons.

1. Make sure the date and time is correct under the DATE / TIME option.
2. Choose REC. PRESET.
3. Choose between radio or voice recording.
4. Set the date
5. Set start time
6. Set stop time

The player will automatically power on and start the recording at the given time and automatically turn off once it's finished.

The latest used radio frequency in the Radio mode will be used when recording.

Recording can only be set within a 24 hour period.

NOTE!

Don't subject the player to any vibration during recording, since this can cause sound distortions.

There must be at least be 1 MB memory available on the player to initiate a recording.

4. MULTIMEDIA MODE

PLAY / STOP

1. Choose MULTIMEDIA mode.
2. Choose video clip and confirm your choice by pressing the ENTER button.
3. Press the PLAY / STOP button to play, pause or stop the video clip.

CHANGE THE VOLUME

1. Press the NAVIGATE UP button to increase the volume.
2. Press the NAVIGATE DOWN to decrease the volume.

The volume can be set from 0 to a maximum of 40.

NOTE!

1. The equalizer is disabled during playback of video clips.
2. The player can only play movies converted with the program JOS Transcoder available at www.jensofsweden.com.

The Transcoder software will convert the video clip to a MP4-video (Simple Profile Type) with MP3-audio (33KHz).

The transcoder software supports the file formats; avi, asf, wmv, mpg, mpeg, mp4. If you can play the video clip in Windows Media Player you will also be able to convert the video clip using the JOS Transcoder.

System requirements for JOS Transcoder:

- Windows 2000 / XP with Direct X 9.0 or later.
- The codec used for the movie must be installed before you try to play or convert the video clip.
- We recommend the codec package K-Lite (http://www.free-codecs.com).
- Windows Media Player 9 or later must be installed to convert WMV files.

5. PICTURE MODE

VIEW JPEG FILES

1. Choose PICTURE mode in the Main Menu.
2. Press the ENTER button to show the selected image.
3. Press the PLAY / STOP button to return to the FOLDER NAVIGATION VIEW.

VIEW NEXT / PREVIOUS IMAGE

Press on the NAVIGATE LEFT or RIGHT button to see the next or previous image.

SLIDESHOW

The Slideshow function automatically shows the next image after given time.

1. Press the ENTER button to start the Slideshow.
2. Set the desired time each image should be shown by using the NAVIGATE UP and DOWN buttons. The time can be set from 1 to 10 seconds.
3. Press the ENTER button a second time to turn off the Slideshow function.

NOTE!

Progressive JPEG images can't be viewed. (A progressive image is gradually shown from an empty screen).

Large / High-resolution images can take long time to show, the optimal viewing size is 180 x 180 pixels in 72 dpi.

6. TEXT MODE

READ A TEXT FILE

1. Choose TEXT mode in the Main Menu.
2. Press the ENTER button to view the selected text file.
3. Press the PLAY / STOP button to return to the FOLDER NAVIGATION VIEW.

SCROLL THE TEXT

Scroll vertically by using the NAVIGATE UP and DOWN buttons.
Skip to next page by using the NAVIGATE LEFT and RIGHT buttons.

AUTO LOAD

The Auto Load function automatically shows the next page after given time.

1. Press the ENTER button to start the Auto Load function
2. Set the desired time each page should be shown by using the NAVIGATE UP and DOWN buttons. The time can be set from 2 to 10 seconds.
3. Press the ENTER button a second time to turn off the Auto Load function.

NOTE!

Only .txt files can be viewed.

7. USB HOST MODE

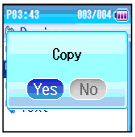
The USB Host mode lets you transfer data to your player from any portable USB device.

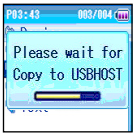
CONNECT THE DEVICES

1. Connect the USB Host Cable (not included) to the USB Host port.
2. Connect the other end of the cable to the device you wish to transfer data from.

COPY FILES

Choose file to transfer from the external device and confirm your choice by pressing on the ENTER button.





A confirmation popup will appear, to confirm the transfer of the selected file to you player choose Yes.

You can only copy one file at a time. It's not possible to copy entire folders. All files will be saved in the folder USB HOST.

NOTE!

If the external device needs power to run make sure to turn it on, otherwise it will use power from the player's battery.

To avoid errors make sure the batteries on both devices are charged before you start.

Most UMS devices (Universal Mass Storage) will be found by MP-500.

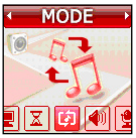
SETTINGS MENU

1. Press and hold the ENTER button to enter the SETTINGS MENU (You may need to be in pause mode).
2. Use NAVIGATE LEFT and RIGHT to choose settings category.
3. Confirm your choice by pressing the ENTER button.
4. Press the PLAY / STOP button to exit the SETTINGS MENU.

GENERAL
Skip Length
Scan Speed
Play Speed
Resume
FM Region
Lyric
Navigation

DISPLAY
Playback Time
Scroll Speed
Song Title
Light Time
Contrast
Language

TIMER
Auto Off
Sleep
Date / Time
Alarm
Rec. Preset



MODE
Boundary
Repeat
Shuffle

SOUND
EQ / SRS
Bass Boost
Treble Boost
Fade In

RECORD
FM Radio
Line in
Int. Voice
Ext. Voice
V. O. R.

SYSTEM
Information
Format
Load Default

GENERAL

Skip Length: Determines how big steps the player will fast forward / rewind.

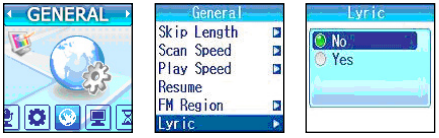
Scan Speed: Set the scan speed in a music file

Play Speed: Set the play speed of a music file

Resume: If the player should start playing where it left of when it was turned off.

FM Region: Select the region you are located in.

Lyric: Show lyrics during playback of music files.



Navigation: Activate the NAVI mode

This mode helps you to navigate faster between different file formats and modes.

When the NAVI mode is On you can access it by pressing the ENTER button when you are in the FOLDER NAVIGATION VIEW. When you have accessed the NAVI mode the title in the top of the screen will change from the active mode title (for example Music, Picture etc) to NAVI. The NAVI mode lets you play other file types than those played by the current active mode. For example you can play a MULTIMEDIA file when you are in the TEXT mode. The player will then automatically switch mode once you select another file type.

Press the ENTER button a second time to switch back to the FOLDER NAVIGATION VIEW for the current MODE. To exit the NAVI MODE and go back to the play mode press the PLAY / STOP button.

DISPLAY

Playback Time: Show elapsed or remaining time.

Scroll Speed: How fast the track title should scroll.

Song Title: Choose between showing the file name or the ID3 tag information.

Light Time: Choose for how long the display should be lit after a buttons is pressed (NOTE! The screen consumes a lot of power, if you are experiencing short battery times, try decreasing the Light Time.)

Contrast: Adjust the screen contrast.

Language: Choose witch language you prefer.

TIMER

Auto Off: Set the number of minutes before the player automatically turns of if no buttons are pressed and no files are playing.

Sleep: Turn On / Off the automatic power off function.

Date / Time: Set the date and time.

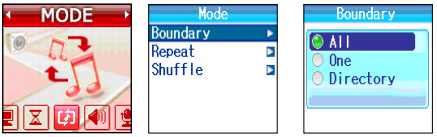
Alarm: Set the time the alarm should start, if it should be a daily alarm as well as which song should be played.

Rec. Preset: Set the time when you wish to record from a Voice source or from the FM Radio. This setting can only be during a time span of 24 hours.

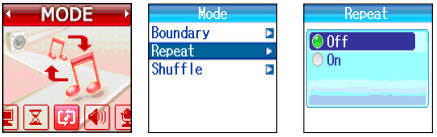
The frequency last played in the FM-Radio mode will be the one recorded.

MODE

Boundary: Select if you wish to play one file, all files or all files in a folder.



Repeat: Repeat the files within the selected boundary.



Shuffle: Play songs in random order.

KEY TO THE DIFFERENT ICONS IN PLAY MODE

Normal One: Playback is stopped after one files has played.

Normal All Files: Plays all files in order, playback stops after all files has been played once.

Normal Folder: Plays all files in order, playback stops after all files in the current folder has played once.

Repeat One: Plays one file until the user stops the playback.

Repeat All: Plays all files in order and starts over once all files has been played until the user stops the playback.

Repeat Folder: Plays all files in order in the current folder and starts over once all files has been played until the user stops the playback.

Shuffle All: Plays all files in random order and stops when all files has been played once.

Shuffle Folder: Plays all files from the current folder in random order and stops playback once all files has been played once.

Shuffle and Repeat All: Plays all files in random order and starts over once all files has been played until the user stops the playback.

Shuffle and Repeat Folder: Plays all files in random order in the current folder and starts over once all files has been played until the user stops the playback.

SOUND

EQ / SRS: Adjust the players twelve different equalizer modes.

Bass Boost: Adjust the bass.

Treble Boost: Adjust the treble.

Fade in: Fades in a song after the player has been turned off to avoid unexpected high volumes. Set in seconds.

RECORD

FM Radio: Set the volume level and quality (bitrate) in kbps for FM Radio recordings.

Line-In: Set the volume level and quality (bitrate) in kbps for Line In recordings.

Built-In Microphone: Set the volume level and quality (bitrate) in kbps for recordings through the internal microphone.

External Microphone: Set the volume level and quality (bitrate) in kbps for recordings through an external microphone.

V. O. R.: If V.O.R. is activated during voice recording the recording will automatically stop if no sound is registered by the microphone.

SYSTEM

Information: Shows total memory size, available memory and current firmware version number.

Format: Formats the player memory. NOTE! All data on the player will be erased when formatting! Check the battery level before a format is initiated. If the battery runs out during formatting of the memory an unrecoverable error can occur.

(It's also possible to format the player using a PC: If you use a PC to format your player make sure you select FAT 32. NTFS is not compatible with this player. Never unplug the player while formatting is in progress, unrecoverable damages may occur.)

Load Default: Reset the player to factory default settings. (Firmware upgrades will not be affected by this function)

TROUBLESHOOTING

If the player behaves abnormal (for example doesn't start even if the battery is fully charged or the player can't be found by the computer) there are a few different simple measure that you can take to restore the player listen below (the listed measures come in no particular order):

1. Press the RESET button then start the player.
2. Reset the player to it's factory default settings (see previous page).
3. Format the player (see previous page) NOTE! All data will be lost.
4. Update / Reinstall the players firmware. The latest version of the firmware can be found on www.jensofsweden.com. There are also instructions for how to perform the upgrade.

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d) if the product has been used in any way that conflicts with its intended purpose or has been connected to an accessory that JOS AB has advised that the product should not be used with.

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