

GRUNDIG
made for you

**PORTABLE
MEDIA PLAYER**

MPiXX 4100

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- Technical data

Supplied accessories

- | | | | |
|---|--------------------|---|-------------------|
| 1 | Installation CD | 3 | Power supply unit |
| 2 | Stereo earphones | 4 | USB cable |
| 5 | Brief instructions | | |

Note:

The accessory components supplied can change.

Special features

MP3/WMA player, player for picture and video files, voice and text files, recording device, FM radio and USB removable disc in one.

Safety

This device is intended for the reproduction of music, picture, voice and text files and serves as a removable disc. Any other use is expressly prohibited.

Do not drop the device. Avoid pressing on the display. Do not place the device near magnetic objects.

Make sure that the equipment is protected from moisture (dripping or splashing water), sunlight and heat.

Never open the device casing. No warranty claims are accepted for damage caused by incorrect handling.

Do not expose the batteries to extreme heat, caused for example by direct sunlight, heaters or fire.

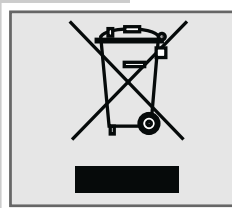
Environmental note

This product has been made from high-quality parts and materials which can be re-used and recycled.

Therefore, do not throw the product away with normal household waste at the end of its service life. Take it to a collection point for recycling electrical and electronic devices. This is indicated by this symbol on the product, in the operating manual and on the packaging.

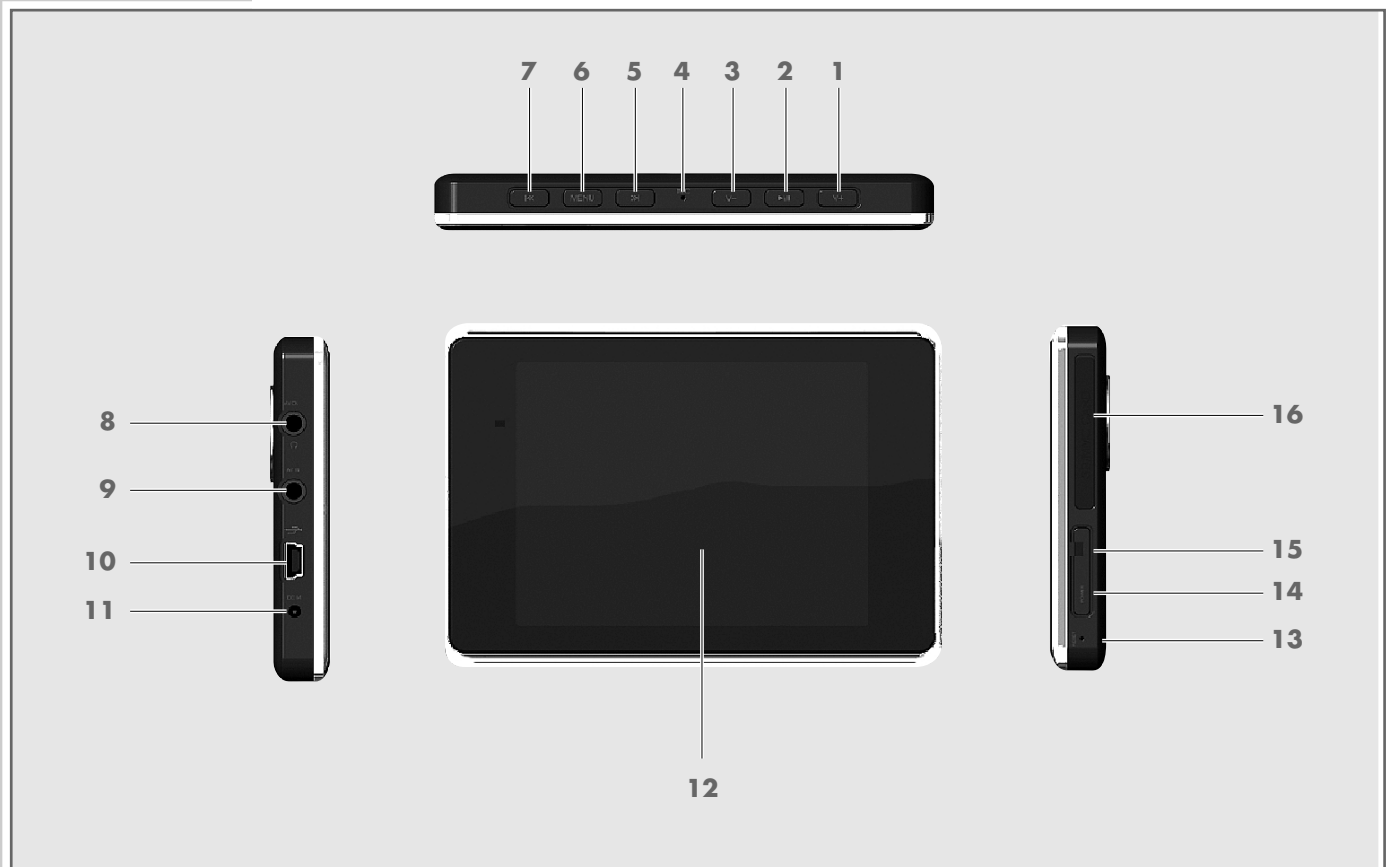
Please find out about collection points operated by your local authority.

Help protect the environment by recycling used products.



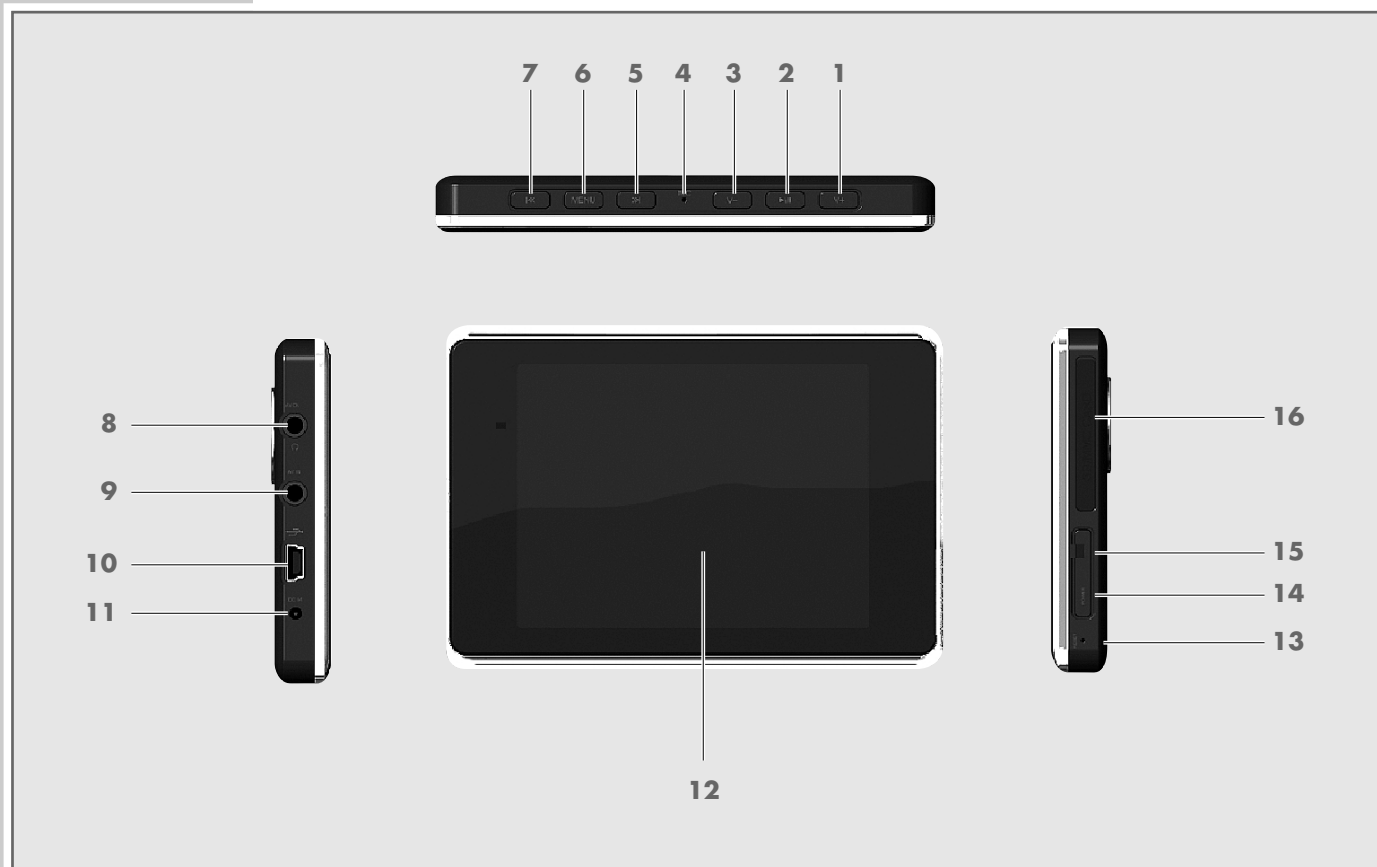
OVERVIEW

Controls



- | | |
|---------------|---|
| 1 V + | Increases the volume. In menu mode: moves cursor down. |
| 2 ► | Starts and pauses playback.
Opens the menu options. |
| 3 V - | Decreases the volume. In menu mode: moves cursor up. |
| 4 | Integrated microphone for voice recordings. |
| 5 ►► | Selects the next track, starts the forwards search.
Selects options from the main menu. |
| 6 MENU | Opens the main menu. Switches back one menu level. |
| 7 ◀◀ | Selects the previous track, starts the reverse search.
Selects options from the main menu. |
| 8 🎧 | Socket for stereo earphones. |
| 9 🎧 | Second socket for stereo earphones. |
| 10 📡 | USB port for connecting the player to the computer with a USB cable. |

OVERVIEW



- | | |
|-----------------------|--|
| 11 DC 5V | Socket for the mains cable. |
| 12 | TFT display. |
| 13 RESET | Resets the player. |
| 14 POWER | Switches the player on and off. |
| 15 REC | Starts the recording, switches to pause, stops and saves the recording.
To repeat a selected passage (A-B). |
| 16 SD/MMC CARD | Slot for an SD/MMC memory card |

OVERVIEW

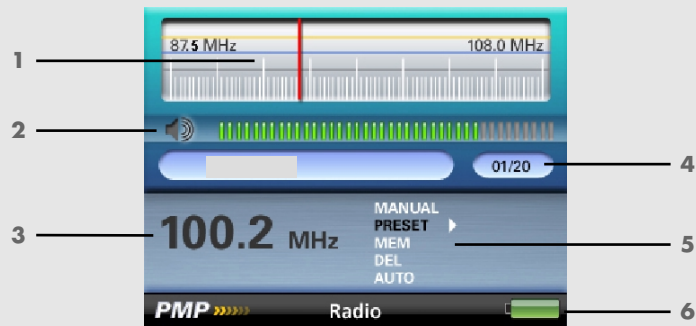
Displays in music playback mode



- 1 Operating status (play ►, pause II).
- 2 Volume display.
- 3 Name of file or track (ID 3 tag).
- 4 Level display.
- 5 Playback progress display with the elapsed playing time of track and the remaining playing time of the track.
- 6 A selected passage (A-B) is repeated.
- 7 Playback mode.
- 8 Current sound setting set, for example Bass.
- 9 Bit rate.
- 10 Battery charging status.

OVERVIEW

Displays in FM radio mode



- 1 Frequency scale.
- 2 Volume display.
- 3 Current FM frequency.
- 4 Number of the current preset and total number of presets.
- 5 FM menu display: manual frequency search, selecting presets, storing radio stations, deleting radio stations, automatic station search.
- 6 Battery charging status.

OVERVIEW

Menu pages in the main menu



Music



Video



Radio



Photo



E-Book



Record



Explorer



Settings

CONNECTION AND PREPARATION

Power supply

The player operates with the integrated lithium-polymer battery 1 x 3.7 V, 1,000 mA.

Charging the battery

Charge the battery using the power supply unit supplied or on the computer. You can also charge the player by connecting it to a USB compatible hi-fi system using a USB cable.


Note:

When charging the battery with the power supply unit supplied, the player is still ready for operation.

- 1 Plug the power supply unit cable into the »**DC 5V**« socket of the player

or

connect the USB port of the player via the USB cable with the appropriate interface on the computer or hi-fi system.

- 2 Connect the power supply unit to the mains and switch on the computer or the hi-fi system.
 - The display indicates the charging progress. The charging time is approximately four hours. You can see in the »« display when the battery is fully charged.

Notes:

The display of the player tells you about the state of the battery. If you see this symbol in the display, the battery is running low.

The playing time of the device with batteries is up to eight hours in audio mode and up to four hours in video mode.

Note:

There is a risk of explosion if the battery is not replaced properly. Only use the same type of battery or an equivalent.



Connecting to the computer

- 1 Switch on the computer.
- 2 Switch off the player.
- 3 Connect the USB interface of the player to the respective interface on the computer via a USB cable.
 - A display will appear as soon as the connection is made.

CONNECTION AND PREPARATION

Disconnecting from the computer

If there is no data transfer in progress, you can disconnect the player from the computer.

Before you disconnect the player's cable connection to the computer, you must remove the player from the Windows desktop by following the Windows instructions for "Removing hardware".

Note:

Do not disconnect the player from the computer while a data transfer is in progress. This can damage the data irreparably.

- 1 Double-click on the symbol for removing hardware.
– The "Remove hardware" window appears.
- 2 To continue, follow the instructions on the screen.

Note:

The circuits of the player and the computer can be seriously damaged if you do not follow the instructions for Windows ME / 2000 / XP / Vista.

Connecting earphones

- 1 Plug the earphones cable into the »« socket on the player.

Note:

Prolonged listening at loud volumes with the earphones can damage your hearing.

GENERAL FUNCTIONS

Switching on/off

- 1 Switch the player on by pressing »POWER« down until the logo appears in the display.
 - The player then switches to the »Music« operating mode.
- 2 Switch the player off by pressing »POWER« down until the logo appears in the display.

Note:

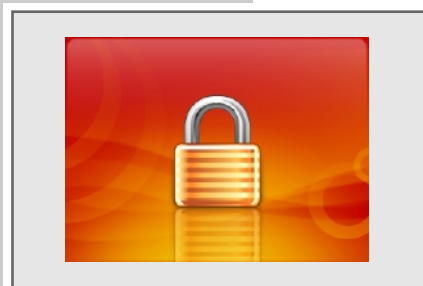
The player will not switch off if you have connected it to the power supply unit.

Adjusting the volume

- 1 Adjust the volume by pressing »V +« or »V –« during music playback.

Locking and unlocking the buttons

- 1 Lock the buttons by pressing »MENU« and »▶II« down until the lock symbol appears briefly in the display.
 - If you then press a button, the lock symbol appears briefly in the display.
- 2 Unlock the buttons by pressing »MENU« and »▶II« down at the same time until the unlocked symbol appears briefly in the display.



Selecting the operating modes

- 1 To open the main menu, press and hold down »MENU«.
 - The »Music« mode appears.
- 2 Press »|« or »|« to select the playback mode, and press »▶II« to activate.
 - »Music«: music playback.
 - »Video«: video playback.
 - »Radio«: FM radio reception.
 - »Photo«: picture playback.
 - »E-Book«: text file playback.



GENERAL FUNCTIONS

Menu navigation



- 1 To open the main menu, press and hold down »MENU« in the selected operating mode.
– The main menu appears.
- 2 Select the option, such as »Settings« with »|<<<« or »>>>|« and press »▶||« to open.
- 3 Select the option in the submenu, by pressing »V +« or »V -« and press »▶||« to open.
- 4 Select the option, by pressing »V +« or »V -« and press »▶||« to confirm.
- 5 Press »MENU« once to go back a menu level.
- 6 Switch back to the main menu, by pressing »MENU« as often as necessary.

Resetting the player

In the event of a malfunction during operation or the player no longer responds to key commands, you can reset the player.

- 1 To reset, use a pointed object, such as a paper clip to press »RESET«.

Note:

When resetting, the player should not be connected to the computer or the USB charging device.

BASIC FUNCTIONS

Memory navigation

In the navigation mode, all the folders and files in the internal memory are displayed.

- 1 To open the main menu, press »MENU« and hold it down.
– The main menu appears.
- 2 Press »|<<<« or »>>>|« to select the »Explorer« option and press »▶||« to confirm.
- 3 Select the folder with »V +« or »V -« and open with »▶||«.
- 4 Select the file, by pressing »V +« or »V -« and press »▶||« to confirm.
– Playback starts.



Deleting tracks or files

- 1 In the »Explorer« mode, select the track or file with »V +« or »V -«.
- 2 Press »REC«.
– Display: »Delete File!« with »Yes« and »No«.
- 3 Press »|<<<« or »>>>|« to select »Yes« and press »▶||« to confirm.
– The track or the file is deleted.

Music playback

Starting music playback

- 1 To open the main menu, press and hold down »MENU« in the selected operating mode.
– The main menu appears.
- 2 Select »Music« mode by pressing »|<<<« or »>>>|« and press »▶||« to activate.
– All the music files are played in succession.

Playback functions

- 1 Press »▶||« to start playback.
- 2 Press »▶||« to pause playback.
- 3 Press »▶||« to resume.

Selecting tracks

- 1 To select the previous or next track, briefly press »|<<<« or »>>>|«.



BASIC FUNCTIONS








Fast forward and reverse search

- 1 To search for a particular passage of a track, press and hold down »|« or »|« during playback.
 - Fast forward or reverse search begins. Release »|« or »|« at the position you want.



Repeating a selected passage (A-B)

- 1 During playback, press »REC« briefly at the starting point you want.
- 2 Briefly press »REC« again when the end point is reached.
 - The selected passage is continuously repeated.
- 3 To quit this function, briefly press »REC«.

Select playback mode.

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Settings« menu with »|« or »|« and press »▶|« to confirm.
- 3 Press »V +« or »V -« in the submenu to select »Music« and press »▶|« to confirm.
- 4 Press »V +« or »V -« to select the »Repeat Mode« option and press »▶|« to confirm.
- 5 Select the repeat function, by pressing »V +« or »V -« and press »▶|« to confirm.
 - »Once«  : the player stops at the end of the current track.
 - »Repeat One«  : the current track is repeated continuously.
 - »Folder«  : all tracks in the current folder are played back once.
 - »Folder Rep.«  : all tracks in the current folder are repeated continuously.
 - »Normal«  : all tracks are played once in succession.
 - »Repeat All«  : all tracks are continuously played.
 - »Intro«  : the first ten seconds of each track are played

or

- 4 Press »V +« or »V -« to select the »Play Mode« option and press »▶|« to confirm.
- 5 Select the function, by pressing »V +« or »V -« and press »▶|« to confirm.
 - »Order«  : all tracks are played in the order they are listed.
 - »Shuffle«  : all tracks are played in random order.



BASIC FUNCTIONS

Selecting sound settings

You can choose between various preset sound settings.

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Settings« menu with »|« or »|« and press »|« to confirm.
- 3 Press »V +« or »V -« in the submenu to select »Music« and press »|« to confirm.
- 4 Press »V +« or »V -« to select the »Preset EQ« option and press »|« to confirm.
- 5 Select the sound setting (Normal, 3D, Rock, Pop, Classic, Bass, Jazz or User EQ) with »|« or »|« and press »|« to confirm.

Note:

You can set your personal sound settings at »User EQ«. This option is also accessible directly via the previous submenu (see subsequent steps)

or

- 4 Press »V +« or »V -« to select the »User EQ« option and press »|« to confirm.
- 5 Press »|« or »|« to select the individual setting.
- 6 Make the setting, by pressing »V +« or »V -« and press »|« to confirm.

Video playback

Starting video playback

- 1 To open the main menu, press »MENU« and hold it down.
– The main menu appears.
- 2 Select the »Video« mode with »|« or »|« and press »|« to confirm.
– The player switches to navigation mode.
- 3 Select the video track by pressing »V +« or »V -«.
- 4 Press »|« to start playback.



BASIC FUNCTIONS

Playback from recordings

Starting playback from recordings

- 1 To open the main menu, press »MENU« and hold it down.
 - The main menu appears.
- 2 Select the »Explorer« mode with »|<<<« or »>>>|« and press »▶||« to confirm.
- 3 Select »Voice« (voice recordings) or »FM« (radio recordings) with »V +« or »V -« and press »▶||« to open.
- 4 Press »V +« or »V -« to select the recording material.
- 5 Press »▶||« to start playback.



Radio mode

The earphones must always be plugged in for radio mode, as the cable acts as the FM antenna.

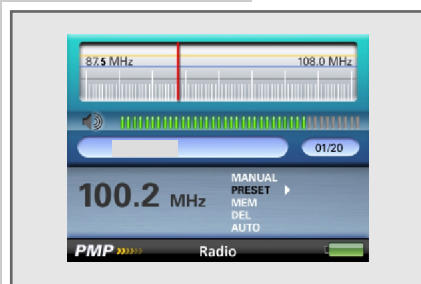
Selecting the radio input source

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Radio« mode with »|<<<« or »>>>|« and press »▶||« to confirm.

Note:

In the radio mode, if you press »▶||« briefly, an FM submenu appears with the following options:

- »Manual«: mode for manual frequency setting.
 - »Preset«: mode for stored radio stations.
 - »Record«: record the radio station.
 - »Save«: save the radio station as a preset.
 - »Delete«: delete the saved radio station.
 - »Auto«: save the radio stations using the automatic station search.
- Select the option with »V +« or »V -« and press »▶||« to confirm.



Switching manually between mode and preset mode

“Preset” is a radio station which is saved on a button.

- 1 Switch between manual mode and preset mode, by pressing »Manual« or »Preset« in the FM submenu and confirm with »▶||«.

BASIC FUNCTIONS

Tuning to radio stations

Manual tuning

The player must be in »Manual« mode for the manual station search.

- 1 To set the frequency you want, press »|<<<« or »>>>|« as often as necessary.
– The frequency changes up or down in 100 kHz steps

or

begin the search by pressing »|<<<« or »>>>|« and keep pressed until the frequency changes to fast forward.

– The search stops when a station with a strong signal has been found.

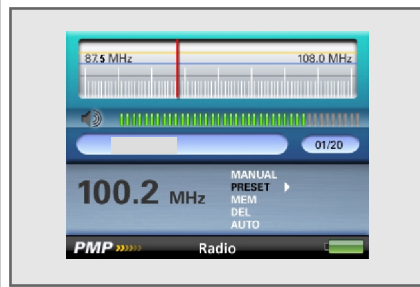
Storing with the automatic station search (Auto Scan)

- 1 Briefly press »>>|I|« to open the FM submenu.
- 2 Select the »Auto« option by pressing »V +« or »V -« and confirm with »>>|I|«.
– The automatic station search starts and saves up to 20 stations with the best reception as presets.

Storing radio stations manually

The player must be in »Manual« mode for a radio station to be stored manually.

- 1 Tune in to the station you want.
- 2 Briefly press »>>|I|« to open the FM submenu.
- 3 Select the »Save« option, by pressing »V +« or »V -« and press »>>|I|« to confirm.
– Display: e.g. »CH03: 100.60MHz«.
- 4 Select the preset, by pressing »V +« or »V -«.
- 5 Press »>>|I|« to confirm the preset.
– Display: »Save Channel« with »Yes« and »No«.
- 6 Press »|<<<« or »>>>|« to select »Yes« and press »>>|I|« to confirm.
– The radio station is saved on a preset.



BASIC FUNCTIONS

Opening presets

The »Preset« mode must be activated. The number of the current preset and the total number of presets are shown in the display.

- 1 To select the preset, press »|<<<« or »>>>|« as often as necessary.

Note:

Unassigned presets are skipped over.

Deleting presets

- 1 To select the preset, press »|<<<« or »>>>|« as often as necessary.
- 2 Briefly press »>>||« to open the FM submenu.
- 3 Select the »Delete« option, by pressing »V +« or »V -« and press »>>||« to confirm.
– Display: e.g. »CH03: 100.60MHz«.
- 4 Select the preset, by pressing »V +« or »V -«.
- 5 Press »>>||« to confirm the preset.
– Display: »Del Channel« with »Yes« and »No«.
- 6 Press »|<<<« or »>>>|« to select »Yes« and press »>>||« to confirm.
– The radio station saved on the selected preset is deleted. Subsequent stations move to the next position.

Switching between stereo and mono reception

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Settings« menu with »|<<<« or »>>>|« and press »>>||« to confirm.
- 3 Press »V +« or »V -« in the submenu to select »FM Radio« and press »>>||« to confirm.
- 4 Press »V +« or »V -« to select the »Stereo SW« option and press »>>||« to confirm.
- 5 Press »V +« or »V -« to select »On« or »Off« and press »>>||« to confirm.



BASIC FUNCTIONS

Picture playback



Starting picture playback

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Photo« mode with »|<<<« or »>>>|« and press »▶||« to confirm.
– Display: »Internal Memory«. The player is in the navigation mode.
- 3 Open the internal memory with »▶||«.
- 4 Select the photo you want with »V +« or »V -«.
- 5 Press »▶||« to start playback.
- 6 Select the previous or next photo with »|<<<« or »>>>|«.

Setting a time interval for the slide show

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Settings« menu with »|<<<« or »>>>|« and press »▶||« to confirm.
- 3 Press »V +« or »V -« in the submenu to select »Auto slide show« and press »▶||« to confirm.
- 4 Press »V +« or »V -« to select the »Photo« option and press »▶||« to confirm.
- 5 Select the time interval (1 second – 5 seconds) with »V +« or »V -« and press »▶||« to confirm.
- 6 Start the slide show with »▶||« and press »▶||« to stop.

Text playback

Starting text playback

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »E-Book« mode with »|<<<« or »>>>|« and press »▶||« to confirm.
– The player switches to navigation mode.
- 3 Press »V +« or »V -« to select the text file.
- 4 Press »▶||« to start playback.



BASIC FUNCTIONS



Setting the time interval for the automatic page turner

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Settings« menu with »|<<<« or »>>>|« and press »▶||« to confirm.
- 3 Press »V +« or »V -« in the submenu to select »Auto slide show« and press »▶||« to confirm.
- 4 Press »V +« or »V -« to select the »Text« option and press »▶||« to confirm.
- 5 Select the time interval (3 seconds – 15 seconds) with »V +« or »V -« and press »▶||« to confirm.
- 6 Start playback with »▶||« and press »▶||« to stop.

Setting bookmarks

- 1 During text playback, press and hold down »REC« on the page you want as a bookmark.
- 2 Mark the page by pressing »▶|| «.
 - Display: e.g. »21% book name.TXT« marks the position of the current page in the whole text.

Note:

You can make a total of nine bookmarks. If you make more than nine bookmarks, the old ones are then overwritten.

Opening bookmarks

- 1 Briefly press »REC« during text playback.
- 2 Select the bookmark, by pressing »V +« or »V -« and press »▶||« to confirm.
 - The player changes to the page you want.

Reading during music playback

- 1 To open the main menu during music playback, press and hold down »MENU«.
- 2 Select the »E-Book« mode with »|<<<« or »>>>|« and press »▶||« to confirm.
 - Music playback will not be interrupted.
- 3 Press »V +« or »V -« to select the text file.
- 4 Press »▶||« to start playback.



RECORDING

Voice recordings



Starting voice recording

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Record« mode with »|<<« or »>>|« and press »▶||« to confirm.
- 3 Press »REC« to start recording.
- 4 Press »REC« to pause recording. Press »REC« to resume recording.
- 5 Press »REC« to stop the recording.

Notes:

The recording material is automatically named, for example with REC0001.WAV and saved in the player's voice folder. The file format is WAV.

If »Device Full« appears while it is recording, the flash memory is full. The recording then stops and the file is saved automatically. No more recordings can be made.

If »Low Battery!« appears while it is recording, the battery is running low. The recording then stops and the file is saved automatically. Further recordings can only be made once the battery has been recharged.

Recording from FM radio

Start FM recording

The player must be in »Radio« mode for recording from FM radio.

- 1 Select the station you want to listen to.
- 2 In the »Radio« mode, press and hold down »REC«.
- 3 Press »REC« to start recording.
- 4 Press »REC« to pause recording. Press »REC« to resume recording.
- 5 Press and hold down »REC« to stop the recording.
- 6 Press »MENU« to exit the recording mode.

Notes:

The recording material is automatically named, for example with FM0001.WAV and saved in the player's FM folder. The file format is WAV.

If »Device Full« appears while it is recording, the flash memory is full. The recording then stops and the file is saved automatically. No more recordings can be made.

If »Low Battery!« appears while it is recording, the battery is running low. The recording then stops and the file is saved automatically. Further recordings can only be made once the battery has been recharged.

RECORDING

Recording settings



Setting the recording quality

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Settings« menu with »|<<<« or »>>>|« and press »▶||« to confirm.
- 3 Press »V +« or »V -« in the submenu to select »Record« and press »▶||« to confirm.
- 4 Press »V +« or »V -« to select the »Quality« option and press »▶||« to confirm.
- 5 Press »V +« or »V -« to select »High Quality« or »General Quality« and press »▶||« to confirm.

Setting the recording volume

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Settings« menu with »|<<<« or »>>>|« and press »▶||« to confirm.
- 3 Press »V +« or »V -« in the submenu to select »Record« and press »▶||« to confirm.
- 4 Press »V +« or »V -« to select the »Volume« option and press »▶||« to confirm.
- 5 Select the level (+1 - +5) with »V +« or »V -« and press »▶||« to confirm.

PREFERENCE SETTINGS

Selecting the »Settings« menu

- 1 To open the main menu, press »MENU« and hold it down.
- 2 Select the »Settings« menu with »|« or »»|« and press »▶|« to confirm.

Display settings

Setting the backlight display switch-off time

- 1 In the »Settings« menu, press »V +« or »V -« to select the »Display« option and press »▶|« to confirm.
- 2 Press »V +« or »V -« to select the »Backlight« option and press »▶|« to confirm.
- 3 Select the setting (10s, 20s, 30s or Always On) with »V +« or »V -« and press »▶|« to confirm.

Setting the brightness of the display

- 1 In the »Settings« menu, press »V +« or »V -« to select the »Display« option and press »▶|« to confirm.
- 2 Press »V +« or »V -« to select the »Brightness« option and press »▶|« to confirm.
- 3 Select the level(1 – 5) with »V +« or »V -« and press »▶|« to confirm.

Setting the backlighting power saving mode

- 1 In the »Settings« menu, press »V +« or »V -« to select the »Display« option and press »▶|« to confirm.
- 2 Press »V +« or »V -« to select the »Backlight Mode« option and press »▶|« to confirm.
- 3 Press »V +« or »V -« to switch from »Normal« to »Power Save« and press »▶|« to confirm.
 - »Normal«: the backlighting is reduced after the switch-off time.
 - »Power Save«: the backlighting disappears.

System settings

Selecting the menu language

- 1 In the »Settings« menu, press »V +« or »V -« to select the »System« option and press »▶|« to confirm.



PREFERENCE SETTINGS

- 2 Press »V +« or »V -« to select the »Language« option and press »►||« to confirm.
- 3 Select the language (seven languages), by pressing »V +« or »V -« and press »►||« to confirm.

Note:

If you change the menu language (default setting »English«), the names in the menu will no longer correspond to the English terms in the operating manual.

Displaying system information

- 1 In the »Settings« menu, press »V +« or »V -« to select the »System« option and press »►||« to confirm.
- 2 Press »V +« or »V -« to select the »About« option and press »►||« to confirm.
 - You can obtain information on the software version, on the overall memory capacity and available memory space in the internal memory or on the memory card, provided one has been inserted.

Firmware upgrade

- 1 In the »Settings« menu, press »V +« or »V -« to select the »System« option and press »►||« to confirm.
- 2 Press »V +« or »V -« to select the »Upgrade« option and press »►||« to confirm.
 - Display: »Firmware Upgrade« with »Yes« and »No«.

Note:

If you would like a Firmware upgrade, you will need a separate manual with the appropriate software tool.

Setting the switch-off time for the sleep timer

- 1 In the »Settings« menu, press »V +« or »V -« to select the »Sleep Timer« option and press »►||« to confirm.
- 2 Select the switch-off time (10, 15, 30, 60, 120 minutes or OFF) by pressing »V +« or »V -« and confirm with »►||«.

Resetting the player

This function restores the default settings to the player.

- 1 In the »Settings« menu, press »V +« or »V -« to select the »Load Default« option and press »►||« to confirm.
 - Display: »Load Default« with »Yes« and »No«.
- 2 Press »V +« or »V -« to select the »Yes« option and press »►||« to confirm.
 - All your settings are deleted.

OPERATING WITH A COMPUTER

System requirements

When connected to the computer, the player appears as a removable disc drive. This corresponds to the player's flash memory. Your computer should meet the following requirements:

- Windows 98 SE / 2000 / ME / XP / Vista
- Microsoft DirectX 9.0 or higher
- Microsoft Media Player 9.0 or higher
- Integrated codec packet *
- CD-ROM drive 4x or higher
- Pentium MMX 200 or higher
- Minimum 120 MB available memory on the hard disc
- USB interface

* Recommended codec: K-Lite Mega Codec Pack (obtainable at www.free-codecs.com or www.k-lite.tk).

Installing the player

The driver must be installed with Windows 98 SE and Windows 2000, if Windows Service Pack 3 has not been installed.

- 1** Insert the installation CD supplied into the CD ROM drive.
- 2** Press »Setup« to begin installing.
- 3** Carry out the installation by following the instructions on the screen.

Connecting to the computer

- 1** Switch on the computer.
- 2** Switch off the player.
- 3** Connect the USB interface of the player to the respective interface on the computer via a USB cable.
 - A display will appear as soon as the connection is made.
 - An additional drive appears on the computer screen for the SD/MMC memory card.

MP3/WMA data transfers

- 1 Select the MP3/WMA files on your computer for copying.
- 2 Highlight the files.
- 3 Right-click the mouse to select »Copy«.
- 4 Open a removable disc drive (e.g. H:) on your computer.
- 5 Right-click the mouse to transfer the files onto the removable disc drive (e.g. H:)

Note:

DRM (Digital Right Management)-protected WMA files can only be played if they are transferred to the device using the Windows Multi Media Player.

Notes:

All voice recordings are stored as individual files in the voice directory. Recordings from FM radio are stored as individual files in the FM directory.

Transferring DRM-protected WMA data

For Windows 98 SE / 2000 / ME / XP, you should update the Windows Media Player with versions 9.0 or 10.0 (version 10.0 only applies to Windows XP). The following steps only apply to the Windows Media Player 10.0, or Windows XP.

- 1 Select the DRM-protected WMA files on your computer for copying.
- 2 Highlight the files.
- 3 Right-mouse click to select the »Add to the Sync. list«.
- 4 Select »Sync.« in the window.
- 5 In the »Sync.« window, select the DRM-protected WMA files, then select the player.
- 6 Click on »Start Sync.«.
– The DRM-protected WMA files are transferred to the player.

Synchronising music and text files

The player supports music files that have been synchronised with corresponding music text (LRC files). In this way you have the music playback via the earphones and simultaneously the synchronous text playback on the display.

Notes:

If you wish to create LRC files, use a program such as the freely-available Song Edit program.

Make sure that the text and music files are in the same folder and that their names correspond to each other. If not, then the player cannot recognise the text file.

Converting video files to AVI format

The player only supports video files in AVI format. However, you can convert video files from other formats into AVI format (RM, VOB, DAT, RMVB, MPG, MPEG, MP4, ASF, VMV, MKV), using the transcoder software "AVI Converter" on the CD ROM provided.

- 1 To open the folder, double-click on »AVIConverter Package Setup.exe«.
- 2 Double-click on the »AVIConverter 3.0« program.
- 3 To select the files you want to convert, click on »Add«. You can also adjust the quality of the files. The player's picture resolution is 320 x 240 pixels. The fundamental rule applies: the higher the quality, the larger the file and the higher the quality, the better the picture.
- 4 Once you have made the settings for a file, click on »Save«.
- 5 You can add other files by repeating steps 3 and 4.
- 6 Once you have selected, click on »Close«.
- 7 Start converting by clicking on »Convert now«.
 - A progress bar shows the conversion status. Once this has finished, click on »Close«. You can now transfer the new AVI files to the player.

OPERATING WITH A COMPUTER

Text data transfers

- 1 Select the text files on your computer for copying.
- 2 Open the text files by clicking on »Start« → »Programme« → »Accessories« → »WordPad«.
- 3 Save the text files with the extension .TXT.
- 4 Right-click the mouse to select »Copy«.
- 5 Open a removable disc drive (e.g. H:) on your computer.
- 6 Right-click the mouse to transfer the files onto the removable disc drive (e.g. H:).

Disconnecting from the computer

If there is no data transfer in progress, you can disconnect the player from the computer.

Before you disconnect the player's cable connection to the computer, you must remove the player from the Windows desktop by following the Windows instructions for "Removing hardware".

Note:

Do not disconnect the player from the computer while a data transfer is in progress. This can damage the data irreparably.

- 1 Double-click on the symbol for removing hardware.
 - The "Remove hardware" window appears.
- 2 To continue, follow the instructions on the screen.

Note:

The circuits of the player and the computer can be seriously damaged if you do not follow the instructions for Windows ME / 2000 / XP.



Technical data

This product fulfils the European directives 89/336/EEC, 2006/42/EC and 93/68/EEC. The type plate is located on the back of the device.

Power supply

Rechargeable battery: 1 x 3.7 V lithium polymer 1,000 mA

Output

2 x 5 mW/16 Ω (earphones)

Noise voltage ratio

\geq 85 dB

Internal memory

1 GB

MP3/WMA

Formats: MP3, WMA, (playback), WAV (recording)

MPEG bit rates: 16-320 kbps,

WMA: 64-192 kbps

File system: FAT/FAT 32

ID3 tag-versions: V1 tag, V2 2.0,

V2 3.0, V3 4.0

Picture

Formats: BMP, JPEG

Video

Formats: AVI (with Transcoder Software)

FM radio

Frequency range: 87.5 MHz ... 108 MHz

USB

USB PC: 2.0 High Speed

Frequency response

20 Hz ... 20 kHz

Dimensions and weight

L x W x H: 80 x 42 x 13.5 mm

Weight approx. 45 g

Technical and design modifications reserved.

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