

PORTABLE MP3 PLAYER

MPxxx
MP 530/512

ENGLISH

GRUNDIG

ENGLISH**CONTENTS**

4	MP 530/512 Supplied accessories Security
5	Overview MP 530/512 Music playback Displays Power supply Charging the rechargeable battery
9	General functions Switching on and off Playback Fast forward and rewind Selecting a track Adjusting the volume Disabling and enabling the buttons Battery charging status
11	Voice recording Recording Playing back voice recordings
12	Menu functions Opening the menu Selecting »Settings« mode Selecting »Voice recording« mode Selecting »Delete track« mode Selecting »Music« mode Selecting »Information« mode Quitting the menu

CONTENTS

19

Operation with a computer

System requirements

Installing the software

Connecting to the computer

Disconnecting from the computer

Data transfer

Uninstalling the software

Downloading MSCN Firmware

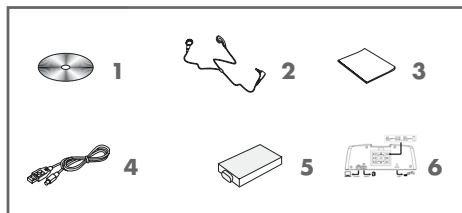
28

Information

Technical data

MP 530/512

Supplied accessories



- 1 Installation CD
- 2 Stereo earphones
- 3 Operating manual
- 4 USB cable
- 5 Rechargeable Ni-MH battery
- 6 Speaker base with accessories

Note:

The accessory components supplied can change.

Security

This device is designed for the playback of audio signals. Any other use is expressly prohibited.

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

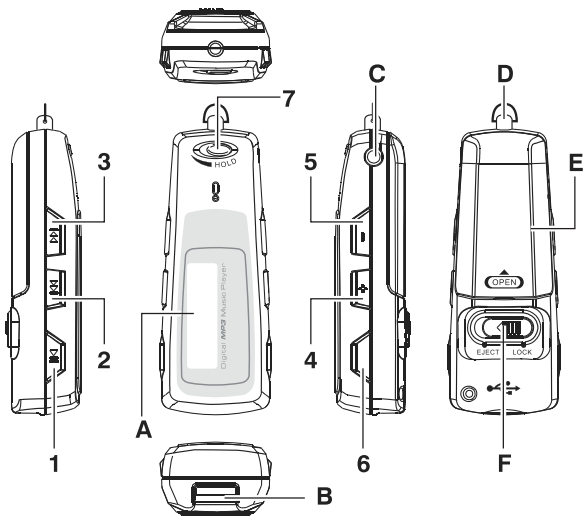
Please ensure that the device is protected from moisture (dripping or splashing water), direct sunlight and heat.

Do not take out the batteries when the device is switched on. This can seriously damage the device.

Never open the device casing. No warranty claims are accepted for damage resulting from improper handling.

OVERVIEW

MP 530/512



OVERVIEW

Music playback

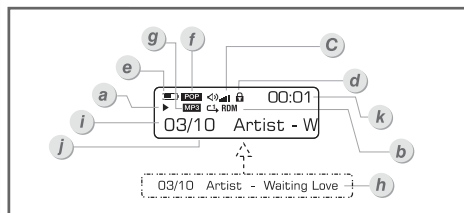
- | | |
|--------------------------|--|
| 1 PLAY/PAUSE/STOP | Start playback, pause playback, end playback. Switch on and off. |
| 2 NEXT | Next track. |
| 3 PREV | Previous track. |
| 4 VOLUME + | Raise volume. |
| 5 VOLUME - | Lower volume. |
| 6 MENU | Select mode (Music, Voice, Setting, Erase, About, Record). |
| 7 HOLD | Lock buttons. |

General

- | | |
|--|---------------------------------------|
| A LCD display | Display ID3 tag and function status. |
| B USB plug | Connect to computer and speaker base. |
| C  | Earphone socket. |
| D  | Strap eyelet. |
| E OPEN | Battery compartment cover. |
| F EJECT LOCK | Extend and close built-in USB plug. |

OVERVIEW

Displays



- a** Status (play ►, pause ►||, stop ■).
- b** Playback mode (Repeat One, Repeat All, Random, Random All).
- c** Volume.
- d** The buttons are locked.
- e** Battery charging status.
- f** Sound settings (pop, rock, jazz, classical, normal).
- g** Current playback format.
- h** Title of the music track.
- i** Track number.
- j** Total number of tracks.
- k** Elapsed playing time.

OVERVIEW

Power supply

Only operate the player with a rechargeable 1.2 V Ni-MH battery.

- 1 To open the battery compartment cover on the back of the device, press »**OPEN**« and push the cover in the direction of the arrow.
- 2 Insert the battery, observing the polarity marked in the battery compartment.
- 3 Put the battery compartment cover back on and close it.

Notes:

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

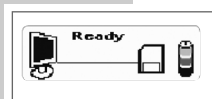
Take out the battery when you know that the player will not be used for a long period of time. The manufacturer accepts no liability for damage resulting from leaking batteries.

Environmental note:

The battery – even if it contains contain no heavy metal – may not be disposed of with household waste. Please dispose of used batteries in an environmentally responsible manner. Find out about the legal regulations which apply in your area.

Charging the rechargeable battery

Charge the battery using the computer or the speaker base.



- 1 Press »**EJECT**« to extend the USB interface and plug it into the computer.
 - The display shows the charging process. The charging time is six to eight hours.

GENERAL FUNCTIONS

Switching on and off

Hold button until Power Off



- 1 Press »**PLAY/PAUSE/STOP**« to switch on the player.
- 2 To switch off the player, press »**PLAY/PAUSE/STOP**« for more than 5 seconds.

Playback

When you switch it on, the player shows the current music track.



- 1 Press »**PLAY/PAUSE/STOP**« to switch between playback and pause.
- 2 To end playback, press »**PLAY/PAUSE/STOP**« for one second.

Fast forward and rewind

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

Selecting a track

- 1 To select the next or previous track, briefly press »**PREV**« or »**NEXT**«.

GENERAL FUNCTIONS

Adjusting the volume

- 1 Change the volume, by pressing »**VOLUME** +« or »**VOLUME** -«.

Disabling and enabling the buttons

- 1 Press »**HOLD**« to disable or enable the buttons.
 - When the buttons are disabled, a lock symbol appears in the display.

Battery charging status

The battery display shows the charging status of the battery in three levels from high (»  «) to medium (»  «) to low (»  «).

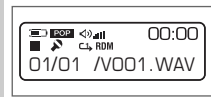
This display appears when the battery needs to be charged or replaced.



VOICE RECORDING

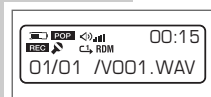
Recording

- 1 Press »**MENU**« and then press »**PREV**« or »**NEXT**« to select »Record«.
- 2 Press »**MENU**« to select recording mode.
– Voice recording can begin.
- 3 Press »**MENU**« to end voice recording.
– The player quits recording mode.
- 4 Press »**MENU**« for two seconds to return to music playback.



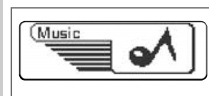
Playing back voice recordings

- 1 Press »**MENU**« and then press »**PREV**« or »**NEXT**« to select »Voice«.
- 2 Press »**MENU**« to select voice mode.
– Playback begins. The title name appears as a ticker.
- 3 Press »**PREV**« or »**NEXT**« to select forwards or reverse.
- 4 Press »**PLAY/PAUSE/STOP**« to switch between playback and pause.
- 5 To end playback, press »**PLAY/PAUSE/STOP**« for two seconds.
- 6 Press »**MENU**« for two seconds to return to music playback.



MENU FUNCTIONS

Opening the menu



- 1 Press **»MENU«** to open the menu and **»PREV«** or **»NEXT«** to select the option you want.
- 2 Press **»MENU«** to confirm the option.

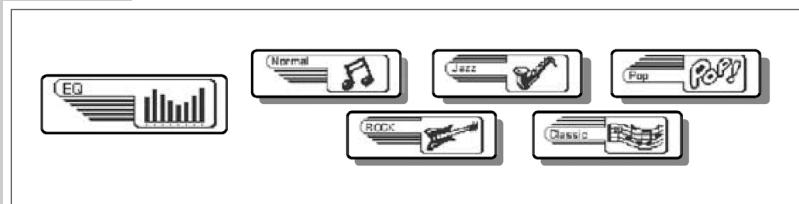
Selecting »Settings« mode



- 1 Press **»PREV«** or **»NEXT«** to select »Setting«.
- 2 Press **»MENU«** to confirm the option.

Selecting sound effects

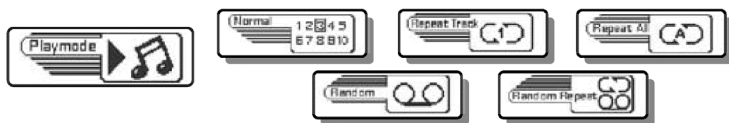
- 1 Press **»PREV«** or **»NEXT«** to select »EQ« and **»MENU«** to confirm.
- 2 Select the sound effect (normal, rock, jazz, classical, pop) with **»PREV«** or **»NEXT«** and press **»MENU«** to confirm.



MENU FUNCTIONS

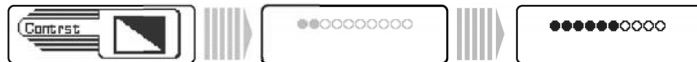
Selecting playback modes

- 1 Press **»PREV«** or **»NEXT«** to select **»Play Mode«** and press **»MENU«** to confirm.
- 2 Select the playback mode (normal, random repeat, random, repeat track, repeat all) with **»PREV«** or **»NEXT«** and press **»MENU«** to confirm.



Setting the display contrast

- 1 Press **»PREV«** or **»NEXT«** to select **»Contrast«** and confirm with **»MENU«**.
- 2 Press **»PREV«** or **»NEXT«** to select the level, and then press **»MENU«** to confirm.



MENU FUNCTIONS

Setting the player switch-off time

After the set time, the player automatically switches to stop mode.

- 1 Press »PREV« or »NEXT« to select »Power Saving« and press »MENU« to confirm.
- 2 Select the switch-off time (disable, 1 min, 2 min, 5 min, 10 min) with »PREV« or »NEXT« and press »MENU« to confirm.



Disable



1 Min



2 Min



5 Min



10 Min

Setting the quality of voice recording

- 1 Press »PREV« or »NEXT« to select »Record Setting« and press »MENU« to confirm.
- 2 Select the frequency (8000 Hz/standard to 48000 Hz/high quality) with »PREV« or »NEXT« and press »MENU« to confirm.



8000Hz



11025Hz



16000Hz



22050Hz



32000Hz



44100Hz



48000Hz

MENU FUNCTIONS

Setting the switch-off time of the display back-lighting

- 1 Press »PREV« or »NEXT« to select »Backlight Setting« and press »MENU« to confirm.
- 2 Select the switch-off time (backlight off, backlight on 5 s to backlight on 20 s) with »PREV« or »NEXT« and press »MENU« to confirm.



MENU FUNCTIONS

Setting the colour of the display back-lighting

- 1 Press »**PREV**« or »**NEXT**« to select »Backlight Colour« and press »**MENU**« to confirm.
- 2 Select the colour (red, green, yellow, blue, violet, light blue, white, random) with »**PREV**« or »**NEXT**« and press »**MENU**« to confirm.

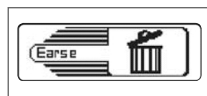


Exiting »Settings« mode

- 1 Press »**PREV**« or »**NEXT**« to select »Exit« and press »**MENU**« to confirm.
- 2 Press »**MENU**« for two seconds to return to music playback.

MENU FUNCTIONS

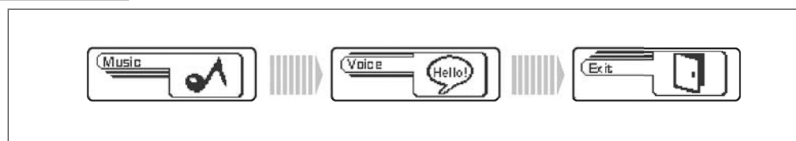
Selecting »Delete track« mode



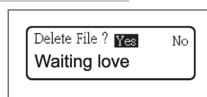
- 1 Press »PREV« or »NEXT« to select »Erase«.
- 2 Press »MENU« to confirm the option.

Deleting music tracks or voice recordings

- 1 Press »PREV« or »NEXT« to select »Music« or »Voice« and confirm with »MENU«.

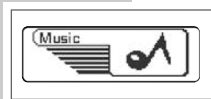


- 2 Select the track or recording by pressing »PREV« or »NEXT«.
- 3 Press »VOLUME +« or »VOLUME -« to select »Yes« or »No«.
- 4 Press »PLAY/PAUSE/STOP« to delete the track.
- 5 Press »MENU« for two seconds to return to playback.



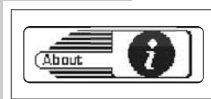
MENU FUNCTIONS

Selecting »Music« mode



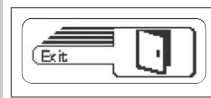
- 1 Press »PREV« or »NEXT« to select »Music«.
- 2 Press »MENU« to confirm the option.

Selecting »Information« mode



- 1 Press »PREV« or »NEXT« to select »About«.
- 2 Press »MENU« to confirm the option.
 - You will see information on the current software and the size of the internal memory.

Quitting the menu



- 1 Press »PREV« or »NEXT« to select »Exit«.
- 2 Press »MENU« to confirm the option.
 - The player returns to music playback

OPERATION WITH A COMPUTER

System requirements

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

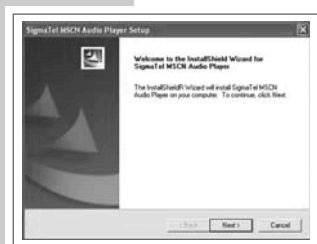
- Windows 98 / 2000 / XP; Mac OS 9 or higher
- CD-ROM drive 4x or higher
- Pentium MMX 200 or higher
- Minimum 30 MB available memory on the hard disk
- USB interface (USB 2.0 recommended)

Note:

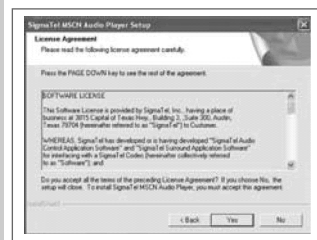
You must log on as an administrator to install the software on Windows 2000 or XP. On Windows 2000 and XP, this software is only required for firmware updates.

Installing the software

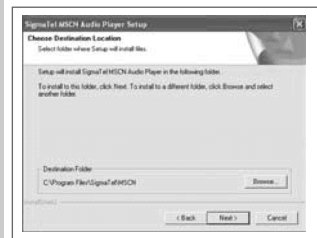
- 1 Insert the installation CD provided in the CD-ROM drive.
- 2 To start installation manually, select drive D (D:\Setup.exe) and click »OK«.
- 3 Follow the instructions on the screen; to continue installation, click »Next«.



OPERATION WITH A COMPUTER



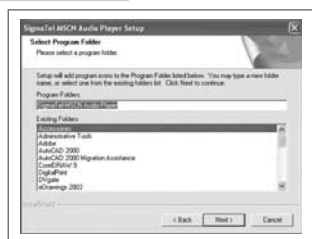
- 4 Read the license terms carefully. If you accept them. Click »Yes«; if not, click »No« and quit the installation.



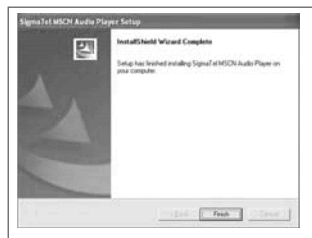
- 5 To continue installation, click »Next«. A folder is generated for the player.

OPERATION WITH A COMPUTER

6 To continue installation, click »Next«.



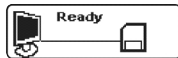
7 To complete the installation click »Finish«.
– The computer is restarted.



OPERATION WITH A COMPUTER

Connecting to the computer

- 1 Turn on the computer.
- 2 Switch off the player.
- 3 Connect the player to the computer using the USB cable.
 - The player switches on.
 - As soon as the connection is made, »Ready« appears in the display.



Note:

The player must be switched off when you connect it to the computer.

OPERATION WITH A COMPUTER

Disconnecting from the computer

If no data transfer is running, you can disconnect the player from the computer.

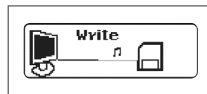
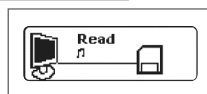
Before you disconnect the player's cable connection to the computer, you must remove the player from the Windows desktop by following the Windows instructions for safely removing hardware.

Note:

Do not remove the player from the computer as long as »Read« or »Write« appears in the display.

- 1 Double click on the symbol for removing hardware.
– The "Safely Remove Hardware" window appears.

- 2 Click »Stop« to continue.



OPERATION WITH A COMPUTER



3 Click »OK« to confirm.



4 When the dialog appears, delete the device from your Windows desktop.

Note:

The circuits of the player and the computer can be seriously damaged if you do not follow the instructions with Windows 98 / 2000 / XP.

OPERATION WITH A COMPUTER

Data transfer



- 1 Select the MP3 files to copy on your desktop.
 - 2 Highlight the files.
 - 3 Click the right mouse button and select »Copy«.
 - 4 Open "Removable disc (H:)" on your desktop.
 - 5 Right click and select "Removable disc (H:)" »Add«.
- The data is transferred to the player.

Note:

All voice recordings are stored as individual tracks in the voice directory.

Uninstalling the software

Go to »Start« menu on your Windows desktop and select »Programs«. Select "Digital MP3 Music Player" and then click »Uninstall«. The "Digital MP3 Music Player" is automatically removed.

Note:

Copy-protected WMA files (Digital Right Management) can only be played if they are transferred to the device using the Windows Multi Media Player (Version 9 or 10).

OPERATION WITH A COMPUTER

Downloading MSCN Firmware

On the installation CD there is a software application linked with the player: the MSCN firmware download. Space in the flash memory of the player is reserved for firmware update applications.

It is particularly advisable to update the firmware if the player no longer reacts or works properly.

Note:

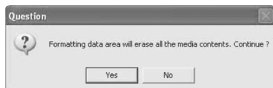
All files in the flash memory can be lost during a download of the firmware. Therefore make back up copies of your files.

- 1 Turn on the computer.
- 2 Switch off the player.
- 3 Connect the player to the computer using the USB cable.
- 4 Press »PLAY/PAUSE/STOP« to switch on the player.
- 5 Click »Start« on the Windows desktop and then »Programs«. Select "Digital MP3 Music Player" and then click on »Firmware Download«.

Note:

Do not disconnect the player from the computer during the process. The player's circuits and firmware could be seriously damaged.

OPERATION WITH A COMPUTER



- 6 The window for the Digital MP3 Music Player firmware download appears.
- 7 Click »Show details« to see information on the current and upgraded firmware versions. There are two options available:
 - Click the checkbox to format the flash memory of the player. All files will be deleted.
 - Close the checkbox to simply download the firmware.
- 8 When you click the checkbox, a query window appears. Click »Yes« to confirm or »No« to cancel.
- 9 To start the firmware update, click on »Start«.
- 10 Wait until the status bar is complete. Then click on »Close«. The download is now finished.

Warning:

If you mark the check box, all files will be deleted. Therefore make backup copies of your files.

INFORMATION



This product fulfils the European directives 89/336/EEC, 73/23/EEC and 93/68/EEC.

This device conforms to the safety regulation DIN EN 60065 (VDE 0860) and therefore the international safety regulation IEC 60065.

The type plate is located on the back of the device.

Technical data

Power supply

Battery: 1 x 1.2 V Ni-MH

Output

2 x 5 mW/16 Ω

Noise voltage ratio

≥ 80 dB

Internal memory

512 MB

MP3/WMA

Formats: MP3, WMA, WAV (Voice)

MPEG bit rates: 16-320 kbps

WMA: 64-192 kbps

File system: FAT

USB

USB PC: 2.0 compatible

Frequency response

20 Hz ... 20 kHz

Dimensions and weight

L x W x H: 86 x 32 x 22 mm

Weight (without batteries) approx. 50 g

Technical and design modifications reserved.

