



**SUPPORT GUIDE FOR  
NOKIA SOUND CONVERTER  
for the Nokia 5100**

**NOKIA**





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## 1. INTRODUCTION

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This guide briefly describes how to begin using the Nokia Sound Converter.

## 2. SYSTEM REQUIREMENTS

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To use the Nokia Sound Converter you need:

- An Intel-compatible PC equipped with Windows 98 SE, Windows ME, Windows 2000, Windows XP
- At least 50 Mb of free disk space (150 Mb recommended)
- It is also assumed that you have installed the Nokia Sound Converter
- IrDA port supporting FIR protocol, USB port (requires Nokia DKU-5 USB-connection cable except for Nokia 6650 the cable is DKU-2) or compatible Bluetooth (for Nokia phone models supporting Bluetooth and this version of Nokia PC Suite).

## 3. USING THE NOKIA SOUND CONVERTER

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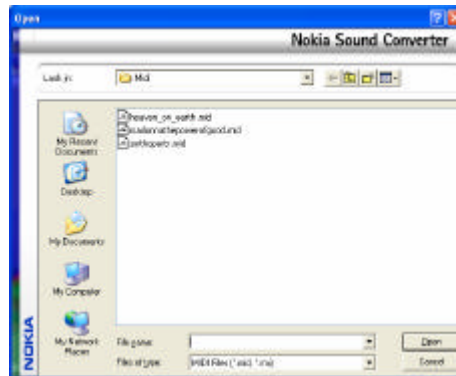
With Nokia Sound Converter you can

- optimize and convert the polyphonic ringing tone for your phone (OTA and MIDI files)
- play the tone
- Open ringing tones from PC hard disk in:
  - .mid, .rmi, .ott, .rtpl, .nrt format
  - Save the tone in to PC hard disk in MIDI format
- update the tone into your phone

Below it is shown with pictures how to modify a midi file to a playable ringing tone for a Nokia phone.

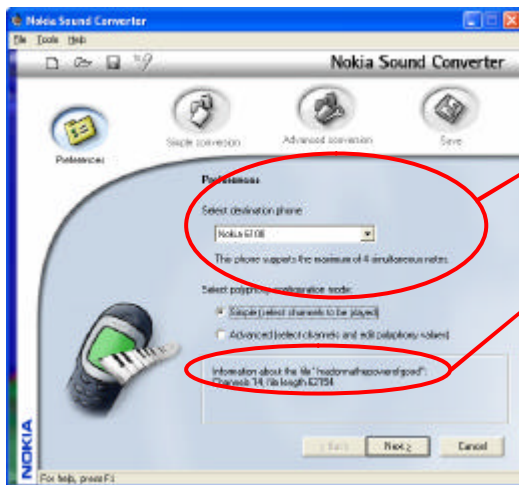


1. Start the Nokia Sound Converter and click Next



2. Browse for a midi file and click Open.





I.e. Nokia 5100 supports only 4 simultaneous notes to be played.

The example file has 14 channels (instruments).

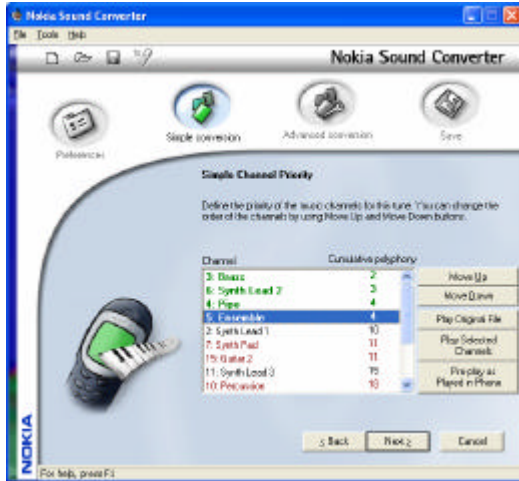
Picture 3. Select your phone and then select either Simple or Advanced conversion.

Different phone models allow a different amount of simultaneous notes in the ringing tone. You can see the number of the supported notes for the selected phone on the list below:

Phone model	Maximum number of notes
Nokia 3585	4
Nokia 5100	4
Nokia 6100	4
Nokia 6200	4
Nokia 6610	4
Nokia 6650	24
Nokia 6800	4
Nokia 7210	4
Nokia 7250	4



On the list on Simple Channel Priority page, you can see the channels included in the current file. The channels are named after the main instrument on that channel.

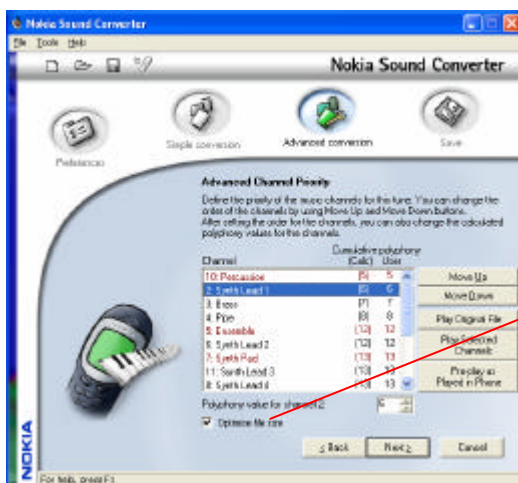


- Channels in bold **green** text fit the selected phone.
- Channels in **black** do not fit the selected phone. You can make them fit by changing their priority using the **Move Up/Down** buttons.
- Channels in **red** do not fit the selected phone. You can make them fit by changing the polyphony value of the channel (in the **Advanced Channel Priority** view).

You can listen to what the tone would sound like in the phone by clicking the “Pre-play as in Phone” button. To stop the playing, click the button again.

To test what the file would sound like with different instrument combinations select the instruments with your mouse and hold down the CTRL-key simultaneously as you select. Then click the “Play Selected Channels” button.

In Advanced Conversion, you can adjust the calculated polyphony value for the selected channel from the box below the list and make more channels fit in the phone’s polyphony. You cannot set the polyphony lower than the polyphony of the previous channel. If the polyphony is raised to be higher than the following channel’s polyphony, also the following channel’s polyphony is updated.



## SIZE OPTIMIZATION

Size optimization is used to decrease the file size of the ringing tone and to make it fit the phone better. When converting a tone with Simple Conversion, the optimization is done automatically. When using Advanced Conversion, you can select whether or not to use the optimization. Some information gets lost when optimizing the file size! The channels that do not fit the polyphony are not saved and lyrics or any other textual comments are lost. You cannot restore this information later. The original MIDI file is not overwritten without warning, though, so you can save the file using a different name.

The final step is to either save the converted midi file to your hard disk for later use or update it to your Nokia phone. After you have saved or updated the midi file you can click finish to start over or go to File – Exit to end the application.

