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How to use these operating instructions

Smart

These operating instructions describe the Smart. They have been compiled so that as a user you can quickly and easily find your way around when using the Smart and the Mind Express software.

To make the most efficient use of your software, we recommend that you carefully read the operating instructions and familiarize yourself with all aspects of the device and software.

If anything is not clear, please refer to Jabbla.

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Introduction

Smart

The Smart is a small and handy portable communication device with a dynamic screen. Random messages can be spoken by the device using symbols, pictures or other visual images. The Smart is based on a Windows Mobile computer platform and uses the Mind Express software.

The Smart features a high-quality internal microphone and a robust sound amplification, so that compiled and/or chosen messages are realistically reproduced and are loudly and clearly intelligible.

The Smart has a communication supporting function. This device is intended for general use in everyday life for people (from the age of 3) with a communication disorder (are not able to speak or cannot speak clearly). They must also possess sufficient motor and mental abilities to use the device. The device is not suitable for clinical, therapeutic or diagnostic use. The device is able to learn infrared codes and transmit these in order to control other devices through the unit. This includes devices for general use such as devices for audio-visual and home automation applications. This extension is not suitable for clinical, therapeutic or diagnostic use.

You will find more information about creating files on the Smart, in the Mind Express operating instructions supplied with your Smart. For enjoy optimal use of your Smart we recommend that you read these operating instructions carefully.

A Technical specifications

Table 1: Technical specifications

Specification	Explanation
Processor	NVIDIA® Tegra 2 1GHz
Operating system	Microsoft Windows® Mobile™6.0
Internal memory	512 MB SDRAM + 1 GB FLASH
Screen	Bright 4.3 inch WVGA TFT touch screen <ul style="list-style-type: none">• 480 x 800 pixels• 262,144 colors• LED backlight
USB	1 x USB 2.0 OTG (slave + master)
Battery	Internal battery
Weight	Device 250 g, protective cover 41 g
Dimensions	<ul style="list-style-type: none">• Device: 135 mm x 79 mm x 25 mm• Device with cover: 140.5 mm x 85 mm x 30 mm

B Safety regulations and maintenance

1 Safety regulations

Its limited weight makes the Smart a very portable and mobile. We recommend that you always use the Smart with the protective cover supplied.



The device uses a Li-ion battery. Do not dispose of the battery in the usual way when replacing it. Keep to the waste regulations rules that apply in your region. You can always return the battery to your supplier.



If you are not using the device for a longer period of time, always store it with the battery fully charged. Always make sure the device is switched off (press and hold the on/off button for 4 seconds).



Avoid heat sources in the vicinity of the device, or areas that may become particularly hot. For example, in summer it can become very hot in a car. Temperatures that are too high may adversely affect the performance of the battery life.



The Smart is not watertight, but the device has been designed in such a way that the top is splash-proof. At the bottom there are openings for the loudspeakers that could allow moisture or dirt to enter the recesses in the loudspeakers. This may affect the quality of the loudspeakers. Always try and avoid situations that could cause moisture or dirt to enter the loudspeaker openings. Also take precautions when cleaning the device and always follow the cleaning instructions.



The device can be operated by using a finger to touch the screen. You don't need to exercise any force. For example, a light press is sufficient to select a symbol on the screen. You can also do this using a stylus or something similar, however, never use sharp objects.



It is very easy to record sounds with the Smart. You do not need to speak loudly when recording your voice. The device will amplify the recordings and reproduce them as naturally as possible. You can always adjust the volume. Always make sure that the volume reproduced is not annoying or harmful to you and your environment.

2 Protective cover

The Smart has a protective cover (15) that offers added protection. The protective cover also makes the device less vulnerable to shocks and bumps and protects it against moisture and dirt.



3 Cleaning the device

Clean the device regularly so you do not give bacteria the chance to spread.

Preferably use a dry soft cloth to remove dust. For local stains on the casing, use a damp cloth. Make sure no moisture can enter through the speaker holes, the microphone opening or the connectors. Any dirt near the connectors can be removed using a cotton bud.

To clean the touch screen use a dry cloth; do not use kitchen paper, as this may cause tiny scratches. To remove grease or stains from the screen, it is recommended that you use cleaning agents specifically designed for cleaning screens (aerosol or wipes). Do not press too hard on the screen during the cleaning process.

It is best to clean the Smart with a dry or slightly damp cloth.

4 Repairs

In the event of damage to the device please contact the distributor of the device, or contact Jabbla's support department.

Do not attempt to carry out any repairs yourself. This could damage the device and invalidate your warranty.

C Getting started

1 What's in the Smart box?

The Smart is supplied with the following parts:

- protective cover
- stylus
- power supply with plug and cable
- USB cable for connection to a USB input panel, USB flash drive, USB mouse
- USB cable for connection to the computer
- operating instructions Smart
- Mind Express (software + operating instructions)

2 Introducing the Smart



Figure 1: Smart left side view

No	Identification	Explanation
1	Reset	This button is used to hide/show the menu and to reset the device.
2	USB port	The USB port can be used to create/restore a backup, connect to a computer and an external input panel or to connect a mouse.

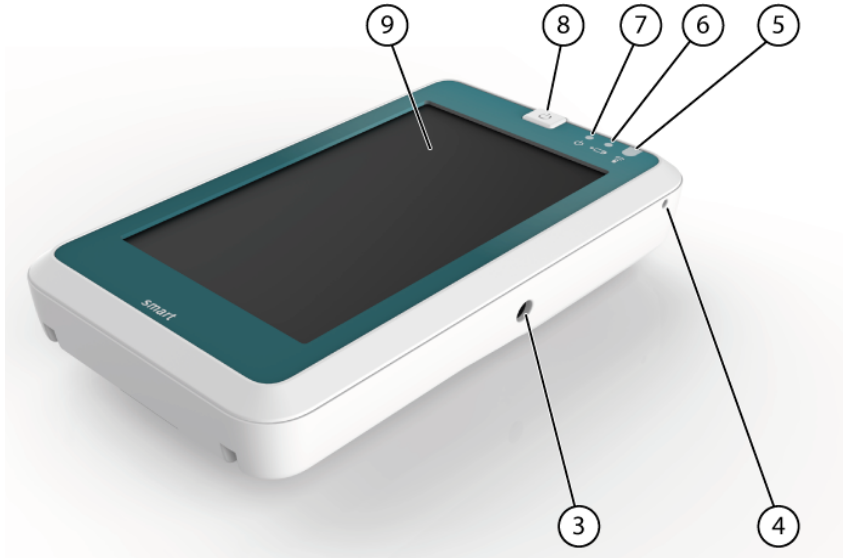


Figure 2: Smart right side view

No	Identification	Explanation
3	Connection to power supply	This connection is to charge the device using the power adapter included.
4	Microphone opening	This is the microphone opening which is used for sound to reach the device's internal microphone when recording.
5	Infrared receiver	The infrared receiver is used to acquire the infrared codes.

No	Identification	Explanation
6	Battery charge indicator	The battery charge indicator lights up as soon as the device is connected to the mains through the supplied power adapter. The indicator shows amber while charging. The indicator changes to green as soon as the battery is charged.
7	On/off indicator	The on/off indicator shows the status of the device: <ul style="list-style-type: none">• no indicator light showing: device is switched off• red: battery capacity is between 0% and 29%• amber: battery capacity is between 30% and 50%• green: battery capacity is between 51% and 100%
8	On/off button	This allows you to switch the device to on/off or standby.
9	Touch screen	The device has a 4.3 inch touch screen.

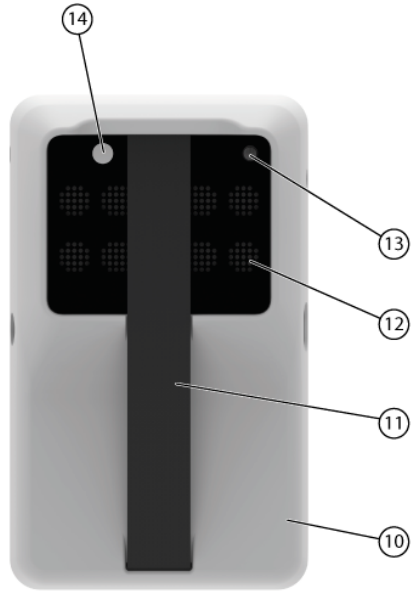


Figure 3: Smart rear view

No	Identification	Explanation
10	Protective cover	The protective cover makes the device less vulnerable to shocks and bumps and protects it against moisture and dirt.
11	Strap	With the strap the device can be held securely in the hand.
12	Loudspeakers	The device has a number of powerful loudspeakers.
13	Infrared transmitter	This transmits infrared signals to other devices.
14	Camera	The device has a camera for taking pictures.

3 Attaching the protective cover to the Smart

The Smart has a protective cover (15) that offers added protection. The protective cover also makes the device less vulnerable to shocks and bumps and protects it against moisture and dirt.

- 1 Position the Smart in such a way that the strap faces upwards.



- 2 Undo the fastening (11b) on the strap.
- 3 Insert the fastening (11b) through the elongated opening of the protective cover.
- 4 Insert the lower section of the strap (11a) through the elongated opening of the protective cover.
- 5 Press the protective cover over the lower part of the Smart while gripping the 2 parts (11a and 11b).
- 6 Hold the upper part of the strap (11c) while pressing the upper part of the protective cover over the Smart.
- 7 Secure the fastening (11b) to the upper part of the strap (11c).
- 8 Turn the Smart around and ensure that the protective cover fits securely around the Smart.

4 Switching on the Smart

Press the on/off button (8) of the Smart.

If the Smart was in standby, it can be used immediately.

If the Smart was switched off, then the Mind Express must be loaded first.

SEE ALSO:

"Shutting down the Smart" on page 41

"Putting Smart in standby mode" on page 41

5 Charging the device

The length of time you can use the device without charging, depends for a large part on:

- the audio volume
- the set shut-down time
- bluetooth use

If the Smart is used frequently, it is recommended to recharge the device daily. To do this, use only the supplied power adapter. The device can still be used while charging.

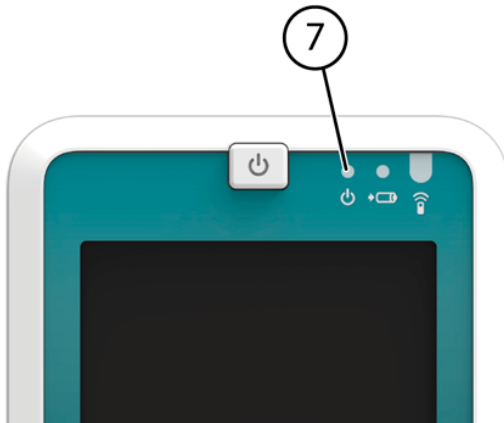
- 1 Check the remaining battery capacity.
- 2 Connect the supplied power adapter between the device and the power supply.

The battery charge indicator will light up and remain amber while charging. As soon as the battery is fully charged, the indicator light changes to green.

6 Viewing the battery status

- 1 View the on/off indicator on the device.
- 2 The on/off indicator may show the following colors:

Green	Battery capacity between 51% and 100%
Amber	Battery capacity between 30% and 50%
Red	Battery capacity between 0% and 29%



7 Checking the remaining battery capacity

- 1 Select **Tools > Battery**.
- 2 View the battery status:
 - **On Battery Power**, the device is using the battery.
 - **Charging**, the device is connected to the adapter included and is charging.
- 3 View the remaining battery capacity.
- 4 If the remaining battery capacity is below 30% (or the on/off indicator is red), then we recommend that you charge the device.

8 Using the touch screen

The touch screen makes selecting boxes easy. To do this use your finger(nails) or a stylus. The pressure applied to the screen to select an item with your finger, must be slightly more than when using a stylus.

The way to make a selection on the screen can be adjusted by user. See the Mind Express operating instructions.



Check that the protective film has been removed from the device.



Do not use sharp tools, in order to prevent scratching the touch screen.



Make sure the touch screen does not come into contact with water.



The touch screen is automatically disabled when the device switches to standby mode, or if a user selects standby.

Use the following techniques to operate the touch screen:

- Tap: touch a box once with your finger or the stylus to select it.
- Touch (and hold): use your finger or the stylus to tap a box and hold for it longer than the usual time set to select the box.
- Drag: touch with your finger or the stylus and swipe it up, down, to the left or right to move items (in edit mode or in mouse mode).



The ability to drag in a communication grid, can be set in Mind Express.

9 Working with files

The Smart uses Mind Express 4.

You can create new files, and open, edit and save existing ones.



On how to work with files, see the Mind Express operating instructions.



It is easier to create and edit files on a computer with Mind Express and to then send them to the Smart through a USB connection, than creating and editing the files directly on the Smart.

10 Entering text

10.1 Entering text

If you need to enter text into a dialog box, you can use the device's on-screen input panel. There are 4 different input panels to choose from.



Figure 4: Standard on-screen input panel

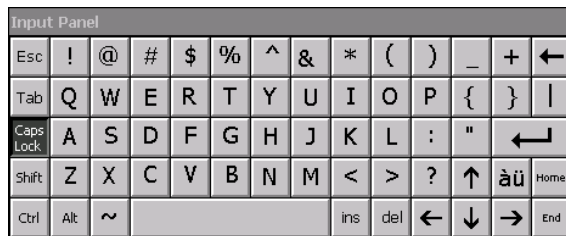


Figure 5: On-screen input panel with Caps Lock enabled




Figure 6: On-screen input panel with special characters enabled



Figure 7: On-screen input panel with special characters and Caps Lock enabled

10.2 Displaying the on-screen input panel

- 1 Tap on  in the menu bar in the bottom right to activate the on-screen input panel.



The  icon is only visible if a dialog with an editable text field is enabled.

- 2 In the title bar, tap and drag the **Input Panel** dialog to the desired location on the screen.

SEE ALSO:

"Hiding the on-screen input panel" on page 35

"Entering text using the on-screen input panel" on page 35

10.3 Hiding the on-screen input panel

Tap on  in the menu bar in the bottom right to hide the on-screen input panel.

SEE ALSO:

"Displaying the on-screen input panel" on page 34

10.4 Entering text using the on-screen input panel

You can enter text in a dialog using an editable text field.

- 1 Display the on-screen input panel.
- 2 Tap in the editable text field.
- 3 Tap the keys on the input panel to enter text.



Tap on Caps Lock to enter upper case and/or other characters. Tap on àü to enter special characters.

SEE ALSO:

"Displaying the on-screen input panel" on page 34

11 General settings

11.1 Setting the software language

The language of the software or the interface can be adjusted to the language of the user.



To set the software language, please refer to the Mind Express operating instructions.

11.2 Setting the speech


The messages that you assign to the squares in the communication grid are spoken out loud by the speech output device. You determine the speech characteristics, such as language, voice, voice volume, overall volume and speaking rate.



To set the speech, please refer to the Mind Express operating instructions.

11.3 Setting the time and date

The Smart can read out loud the time, day, and date. So make sure the time and date are set correctly.

- 1 Select **Tools > Date/Time**.
- 2 In the **Time** field, tap on the hour and use the arrows to adjust the hour. Do the same for the minutes and seconds.
- 3 Tap the  button in the **Date** field and select the current date from the calendar.

- 4 From the **Time format** drop-down list, select one of the following options:
 - **24h (15:30)**, the time is displayed as a 24-hour clock.
 - **12h (3:30)**, the time is displayed as a 12-hour clock.
 - **AM/PM (3:30 PM)**, the time is displayed with an AM (morning) and PM (afternoon) indication.
- 5 Tap **OK**.

11.4 Adjusting the screen brightness

- 1 Select **Tools > Smart3 > Settings**.
- 2 Move the slider next to **Brightness** until the screen has reached the desired brightness.
- 3 Tap **OK**.

11.5 Setting the general volume

The overall volume of the device determines the volume of the speech output and also the volume of the system sounds (sound when tapping the screen).

- 1 Select **Tools > Options**.
- 2 Complete one of the following actions from the **Options** dialog:
 - drag the slider to the left to decrease the volume
 - drag the slider to the right to increase the volume
- 3 Tap **OK**.



The overall volume can also be set in Speech.

11.6 Rotating the screen

The screen can be displayed both in portrait and landscape.

- 1 Select **Tools > Rotate screen**.
- 2 To rotate the screen again, repeat step 1.

11.7 Setting the shut-down time of the Smart

The Smart can be shut down automatically.

For example: you can specify that the Smart shuts down automatically after 5 hours in standby mode.

- 1 Select **Tools > Smart3 > Settings**.
- 2 From the **Shut down after: (after going to Standby)** drop-down list, select one of the following options:
 - **Never**
 - **5 hours**
 - **10 hours**
 - **20 hours**
 - **25 hours**
- 3 Tap **OK**.

11.8 Hiding the menu bar

To prevent the user of the device from making changes, you can hide the menu bar.

Select **Tools > Hide menu**

SEE ALSO:

"Restoring the menu bar" on page 39

11.9 Restoring the menu bar

The menu bar must be available if you want to make adjustments to the device. If the menu bar is not available, you will need to restore it.

Proceed as follows to restore the menu bar:

- 1 Use a ballpoint pen to press the reset button.
- 2 If you need a password to display the menu bar, then the **Password** dialog appears. Enter the password and click **OK**.
The menu bar appears at the bottom.

SEE ALSO:

"Hiding the menu bar" on page 39

11.10 Setting the start-up options

You can set the mode you want Mind Express to start up in; whether the menu should be visible, or whether access to the menu is protected with a password, and which document should appear when launched.



For setting up the start-up options, please refer to the Mind Express operating instructions.

11.11 Setting the recording



To set the recording, please refer to the Mind Express operating instructions.

12 Putting Smart in standby mode

Standby mode is when the Smart has not completely shut down, and can easily be started up again.



Put the device in standby mode if you are not using the device for a short period of time. The device consumes less power than if it was still switched on. Shut down the device if you are not using it for a longer period of time.

Perform one of the following actions:

- Select **Tools > Smart3 > Standby mode**.
- Press the on/off button.

SEE ALSO:

"Switching on the Smart" on page 29

13 Shutting down the Smart

If you are not using the Smart for a longer period of time, then it is best to shut down the Smart.

Perform one of the following actions:

- Select **Tools > Smart3 > Shut down**.
- Press and hold the on/off button for at least 4 seconds.

SEE ALSO:

"Switching on the Smart" on page 29

D Specific settings, backup and storage space

1 Adjusting the user-specific settings

1.1 Selecting

There are a large number of settings for customizing the selections so they will meet the user's needs. A selection can be outlined in a particular color, it can be enlarged, a selection can be made after pressing or releasing, a dwell selection can be set up, it is even possible to play a sound after selecting and audible feedback on the selection can be displayed.



To set up how to make selections, please refer to the Mind Express operating instructions.

1.2 Speech dictionary, sentence and word prediction

1.2.1 The speech dictionary

It is possible that some words are not pronounced correctly. For example, names or words from a different language. You can add the word with its new pronunciation to a speech dictionary. You can add multiple speech dictionaries:

- speech dictionaries per language
- speech dictionaries per user, if the device is used by several people
- speech dictionaries per voice The phonetic format may differ for each voice.



On how to use the speech dictionary, please refer to the Mind Express operating instructions.



Settings in the speech dictionary must be done directly on the Smart. A speech dictionary cannot be imported!

1.2.2 Word prediction

If the user is able to use text, then word prediction can significantly increase the speed of communication. You can set Mind Express in such a way that these predictions appear in the squares. This allows the user to select these predictions in order to type the sentences much faster. As soon as the user selects a letter or a word from the communication card, the predictions will appear in the prediction squares.

Word prediction is context based. This means that word prediction not only attempts to predict the word that is being formed, but also the next word.



For how to use word prediction, please refer to the Mind Express operating instructions.



Settings in word prediction must be done directly on the Smart. A word prediction list cannot be imported!

1.2.3 Sentence prediction

If the user is able to use text, then sentence prediction can significantly increase the speed of communication. You can set Mind Express in such a way that these predictions appear in the squares. This allows the user to select these predictions. As soon as the user selects a letter or a word from the communication card, the predictions will appear in the prediction squares of Mind Express. Sentence prediction searches for sentences. If you enter the word 'tea' for example, then the sentence prediction will predict the sentence 'I want a cup of tea'.



When you start using Mind Express for the first time, sentence prediction will be empty.



For how to use sentence prediction, please refer to the Mind Express operating instructions.




Settings in sentence prediction must be done directly on the Smart. A sentence prediction list cannot be imported!

2 Backup and storage space

2.1 Creating a backup of the Smart

A backup of the content of the Smart can be made on a USB stick. In the event of problems with the Smart a backup can be restored from the USB stick to the Smart

- 1 Connect the USB stick to the Smart.
- 2 Select **Tools > Smart3 > Back up to memory stick**.
- 3 Tap in the **Name** field.
- 4 In the bottom right, tap on  to activate the on-screen input panel.
- 5 Tap once again in the **Name** field.
- 6 Tap on the on-screen input panel to enter the Name of the backup.

EXAMPLE: backup June

- 7 Tap **OK**.
- 8 Tap on **Yes** in the **Back up to memory stick** dialog.

Creation of the backup is started. It may take a few minutes until the **Backup to memory stick completed successfully** dialog appears.

- 9 Tap **OK**.

SEE ALSO:

"Restoring a backup to the Smart" on page 47

2.2 Restoring a backup to the Smart

In the event of problems with the Smart, a backup can be restored from the USB stick to the Smart

- 1 Connect the USB -stick to the Smart using the supplied USB adapter cable.
- 2 Press the tip of a ballpoint pen into the reset opening and hold for at least 5 seconds.
- 3 Press the on/off button.
The **Restore Files** dialog is displayed.
- 4 Tap on **Yes** to restore a backup.
- 5 Select the backup you want to restore.
- 6 If required, first select the option **Format drive first, then restore**, if a previous backup, that did not have this option selected, did not achieve a good result.
- 7 Tap **OK**.

SEE ALSO:

"Creating a backup of the Smart" on page 46

2.3 Cleaning the memory of the Smart

If you create multiple sound recordings under the same square, then the wave files that are not used are still saved in the memory of the Smart. This means the storage memory of the Smart may fill up.

- 1 Select **Tools > Smart3 > Clean up disk**.
- 2 Tap on **Clean up**.
- 3 Tap on **Yes**.
The memory is cleared. You can see how much free space there is in the **Clean up disk** dialog.
- 4 Tap **OK**.

SEE ALSO:

"Deleting a file from the Smart" on page 48



- D Specific settings, backup and storage space
- 2 Backup and storage space

2.4 Deleting a file from the Smart

Documents, templates, figures, sounds, and music can all be deleted from the memory of the Smart.

- 1 Select **Tools > Smart3 > Clean up disk**.
- 2 Tap **File management**.
- 3 From the **Type** drop-down list, select one of the following options:
 - **Documents**
 - **Templates**
 - **Images**
 - **Sounds**
 - **Music**
- 4 From the drop-down list, select **Folder**, if necessary a folder or sub folder.
- 5 Select the files you want to delete.



If necessary, tap on  to sort the files alphabetically, or alternatively tap on  to sort the files by file size (from large to small).

- 6 Tap on **Delete files**.
- 7 Tap on **Yes** in the **Delete file** dialog.
- 8 Tap on **Close**
- 9 Tap **OK**.

SEE ALSO:


"Cleaning the memory of the Smart" on page 47

E Recording a message

1 Recording a message




You can use the device to record your spoken message or record a sound and save these to a box. You can create a recording in Recording mode, Mouse mode and in Edit mode.

2 Recording a message in Recording mode

- 1 Select **Edit > Recording mode**.
- 2 Tap the box you would like to add a message to.
The **Recording** dialog appears.
- 3 Tap and hold the  button during the entire recording.




During the recording speak in a normal tone of voice and at a normal volume. Keep a distance of about 30 centimeters from the device.

- 4 Release the button to end the recording.
- 5 Tap  to listen to the recording. Repeat from step 3 if you are not happy with the recording.
- 6 Perform one of the following actions:
 - Tap on  to save the recording to the selected box.
 - Tap  to delete the recording.

SEE ALSO:




"Recording a message in Mouse mode" on page 51

3 Recording a message in Mouse mode

- 1 Check that the recording is set to **Quick recording**. Select **Tools > Options**.
- 2 Tap and hold the box you want to add the message to until the **Recording** dialog appears.
The length of time you need to tap and hold the box is specified in the options.
- 3 Tap and hold the  button during the entire recording.



During the recording speak in a normal tone of voice and at a normal volume. Keep a distance of about 30 centimeters from the device.

- 4 Release the button to end the recording.
- 5 Tap  to listen to the recording. Repeat from step 3 if you are not happy with the recording.
- 6 Perform one of the following actions:
 - Tap on  to save the recording to the selected box.
 - Tap  to delete the recording.

SEE ALSO:



"Recording a message in Recording mode" on page 50

4 Deleting a message from the Smart

A sound recording that has been made with the Smart can be deleted from the Smart's memory.

- 1 Select **Tools > Smart3 > Clean up disk**.
- 2 Tap **File management**.
- 3 Select **Sounds** from the **Type** drop-down menu.
- 4 Select **Rec** from the **Folder** drop-down menu.
- 5 Select the files you want to delete.



If necessary, tap on  to sort the files alphabetically, or alternatively tap on  to sort the files by file size (from large to small).

- 6 Tap on **Delete files**.
- 7 Tap on **Yes** in the **Delete file** dialog.
- 8 Tap on **Close**
- 9 Tap **OK**.



F The camera

1 The camera

The Smart is equipped with a camera. You can take pictures with the camera, but you can not make videos. The pictures are automatically saved and can be used in the communication grid.

2 Taking a picture

The Smart enables you to take a picture, if there is a square on the communication grid that includes the **Pictures for Media Library** action.

- 1 Tap the square in the communication grid.
- 2 Point the camera lens at the subject and wait until the image becomes sharp.
- 3 Tap on  to take a picture.
- 4 Repeat step 4 to create more pictures.
- 5 Tap  to return to the communication grid.






Use the Previous picture, Next picture squares to view the pictures you have taken. If necessary, use the Delete picture square to delete a picture.


3 Taking a picture to insert into a square

You can insert a picture into a square in a communication grid using a picture you have taken with the device.

- 1 Open the file with the communication grid, to insert a picture you have taken into one or multiple squares.
- 2 Select **Edit > Camera mode**.

- 3 Tap the square in the communication grid.
- 4 Point the camera lens at the subject and wait until the image becomes sharp.
- 5 Tap on  to take a picture.
- 6 Check the picture you have taken and complete one of the following actions:
 - Tap on  and the picture is saved on the device.
 - Tap on  and the picture is deleted from the device.



To return to the communication grid without using a picture, tap on .

4 Viewing a picture

- 1 Select **File > Open**.
- 2 Open a communication grid that was designed to view pictures.
- 3 View the pictures.



If necessary, tap on the Previous picture, Next picture squares to view the pictures you have taken. If necessary, tap on the Delete picture square to delete a picture.

5 Deleting a picture


- 1 Select **File > Open**.
- 2 Open a communication grid that was designed to view pictures.
- 3 Tap the **Previous picture** and/or **Next picture** squares until you see the pictures you want to delete.
- 4 Tap the **Delete picture** square.

6 Deleting a picture (by cleaning drive)

You can delete a picture you have taken with the Smart from the Smart's memory. Pictures taken by the user with a communication grid (for example with the standard supplied file *app_camera_smart*) are saved in the **Smart3Camera** folder. Pictures taken by the supervisor to fill the squares in the communication grid, are saved in the **Smart3Photos** folder.

- 1 Select **Tools > Smart3 > Clean up disk**.
- 2 Tap **File management**.
- 3 Select **Images** from the **Type** drop-down list.
- 4 Select the **Smart3Camera** folder, or the **Smart3Pictures** folder from the **Folder** drop-down list.
- 5 Select the files you want to delete.



If necessary, tap on  to sort the files alphabetically, or alternatively tap on  to sort the files by file size (from large to small).

- 6 Tap on **Delete files**.



If you delete a picture that is used in a communication grid, then that particular picture will no longer be displayed in the communication grid!

- 7 Tap on **Yes** in the **Delete file** dialog.
- 8 Tap on **Close**
- 9 Tap **OK**.

G Personal applications

1 The agenda

This device allows you to organize your appointments in your agenda. You can also use the agenda to add alarms. For example, to remind you of birthdays of friends and family members.

1.1 Viewing the agenda

- 1 Select **Tools > Agenda > Edit agenda**.
- 2 Select one of the following options from the **Show** drop-down list:
 - **Single day**
 - **Week**
 - **Month**
- 3 From the 2nd drop-down list, select the date you want to show.
- 4 Tap **OK**.

1.2 Adding an alarm

- 1 Select **Tools > Agenda > Add Alarm**.
- 2 From the **When** drop-down list, select repeat alarm:
 - **Once**
 - **Every Day**
 - **Every Working Day**
 - **Every Week**
 - **Every Month**
 - **Every Year**
- 3 In the **At** field, specify the time of the alarm. Do this by using the arrows.
- 4 Perform one of the following actions:
 - For a non-repeat alarm, tap on in the field below and select the date for the alarm.
 - For a repeat alarm, in **Start date** tap on to select the date the appointment starts and in **End date** tap on to select the date the appointment ends.
- 5 In the **Message** field, enter the text for the alarm.
- 6 Select the **Speak** option if you want the message read out loud to you.
- 7 Select the **Show message** option if you want the message to be displayed on the device.
- 8 To add a sound to the alarm, tap on next to **Sound**, select a sound and tap on **Open**.
- 9 Tap on **Save**.


1.3 Changing an alarm

- 1 Select **Tools > Agenda > Edit agenda**.
- 2 Select the alarm you want to change.
- 3 Tap on **Edit**.
- 4 If required, change the repeat frequency of the alarm in the **When** drop-down list:
 - **Once**
 - **Every Day**
 - **Every Working Day**
 - **Every Week**
 - **Every Month**
 - **Every Year**
- 5 If required, change the time of the alarm in the **At** field. Do this by using the arrows.
- 6 Perform one of the following actions:
 - For a non-repeat alarm, tap on in the field below and select the date for the alarm.
 - For a repeat alarm, in **Start date** tap on to select the date the appointment starts and in **End date** tap on to select the date the appointment ends.
- 7 If required, change the text of the alarm in the **Message** field.
- 8 If required, change the **Speak** option in you want the message read out loud or not at all.
- 9 If required, change the **Show message** option if you want the message to be displayed on the device or not at all.
- 10 If required, change the sound of the alarm by tapping on next to **Sound**, select a sound and tap **Open**.
- 11 Tap on **Save**.
- 12 Tap **OK**.

1.4 Deleting an alarm


- 1 Select **Tools > Agenda > Edit agenda**.
- 2 Select the alarm you want to delete.
- 3 Tap on **Edit**.
- 4 Tap on **Delete** in the **Edit alarm** dialog.
- 5 Tap **OK**.

1.5 Adding an activity

- 1 Select **Tools > Agenda > Edit agenda**.
- 2 Tap on **Add**.
- 3 In the **Activity** field, enter the name of the activity or appointment.
- 4 Next to the **Picture** field, tap on  to add an image to the activity.
- 5 Use the drop-down lists in the **Symbol** dialog to find the image, select the image and tap on **OK**.
- 6 In the **When** drop-down list, select to repeat the activity:
 - **Once**
 - **Every Day**
 - **Every Working Day**
 - **Every Week**
 - **Every Month**
 - **Every Year**

- 7 In the **Duration** field, select one of the following options:
 - **Complete day**
 - **From Until**
- 8 If you have selected the **From Until** option, then enter the start time and stop time of the activity in the **From** and **Until** fields. Tap on the hour digits and use the arrows to customize the hour. Tap on the minute digits and use the arrows to customize the minutes.
- 9 If necessary, select the **Alarm** option if you want to be alerted when the activity starts or before the activity starts.
- 10 Select one of the following options from the **Alarm** drop-down list
 - **When it starts**
 - **5 minutes before start**
 - **15 minutes before start**
 - **30 minutes before start**
 - **1 hour before start**
 - **2 hours before start**
 - **1 day before start**
- 11 Tap on to set the alarm.
- 12 In the **Message** field, enter the text for the alarm.
- 13 Select the **Speak** option if you want the message read out loud to you.
- 14 Select the **Show message** option if you want the message to be displayed on the device.
- 15 To add a sound to the alarm, tap on next to **Sound**, select a sound and tap on **Open**.
- 16 Tap **OK**.
- 17 Tap on **Save**.
- 18 Tap **OK**.

1.6 Changing an activity

- 1 Select **Tools > Agenda > Edit agenda**.
- 2 Select the activity you want to change.
- 3 Tap on **Edit**.
- 4 If necessary, enter the name of the activity or appointment in the **Activity** field.
- 5 Next to the **Picture** field, if required, tap on  to add an image to the activity or to change the image of the activity.
- 6 Use the drop-down lists in the **Symbol** dialog to find the image, select the image and tap on **OK**.
- 7 If necessary, in the **When** drop-down list, change the recurrence of the activity:
 - **Once**
 - **Every Day**
 - **Every Working Day**
 - **Every Week**
 - **Every Month**
 - **Every Year**
- 8 If necessary, change one of the following options in the **Duration** field:
 - **Complete day**
 - **From Until**
- 9 If you have selected the **From Until** option, then enter the start time and stop time of the activity in the **From** and **Until** fields. Tap on the hour digits and use the arrows to customize the hour. Tap on the minute digits and use the arrows to customize the minutes.
- 10 If necessary, select the **Alarm** option if you want to be alerted when the activity starts or before the activity starts.


- 11 Select one of the following options from the **Alarm** drop-down list
 - **When it starts**
 - **5 minutes before start**
 - **15 minutes before start**
 - **30 minutes before start**
 - **1 hour before start**
 - **2 hours before start**
 - **1 day before start**
- 12 Tap on to set the alarm.
- 13 In the **Message** field, enter the text for the alarm.
- 14 Select the **Speak** option if you want the message read out loud to you.
- 15 Select the **Show message** option if you want the message to be displayed on the device.
- 16 To add a sound to the alarm, tap on next to **Sound**, select a sound and tap on **Open**.
- 17 Tap **OK**.
- 18 Tap on **Save**.
- 19 Tap **OK**.

1.7 Deleting an activity

- 1 Select **Tools > Agenda > Edit agenda**.
- 2 Select the activity you want to delete.
- 3 Tap on **Edit**.
- 4 Tap on **Delete**.
- 5 Tap **OK**.

1.8 Setting the agenda background



In a communication grid that uses agenda squares, you can set a custom background for each month.

- 1 Open a communication grid with agenda squares.
- 2 Choose **Tools > Agenda > Custom background**.
- 3 Tap on  next to the month you want to customize the background of.
- 4 Use the drop-down lists in the **Symbol** dialog to find the image, select the image and tap on **OK**.
- 5 Repeat from step 2 for the other months.
- 6 Tap **OK**.
- 7 Carry out one of the following actions to save the changes in the communication grid:
 - Select **File > Save**.
 - Press **Ctrl + S**.



2 The address book

The device can save all the names and telephone numbers of your friends and contacts in the address book. The address book can be used in a communication grid, for example to call a contact.

2.1 Adding a contact


- 1 Select **Tools > Address Book**.
- 2 Tap on **Add contact** .
- 3 Tap on  to add an image to the contact.
- 4 Use the drop-down lists in the **Image** dialog to find the image, select the image and tap on **OK**.
- 5 Tap on the **Name** field and enter the name of the contact. This is a required field!
- 6 Tap in the **Phone** field and enter the telephone number of the contact.
- 7 Tap **OK**.

2.2 Editing a contact

- 1 Select **Tools > Address Book**.
- 2 Tap on **Edit contact** .
- 3 Tap on  to add a (different) image to the contact.
- 4 Use the drop-down lists in the **Image** dialog to find the image, select the image and tap on **OK**.
- 5 Tap in the **Name** field and change the name of the contact. This is a required field!

- 6 Tap in the **Phone** field and change the telephone number of the contact.
- 7 Tap **OK**.

2.3 Deleting a contact

- 1 Select **Tools > Address Book**.
- 2 Select the contact you want to delete.
- 3 Tap on **Delete contact** .
- 4 Tap **OK**.

H Connection with the Eddy

1 What is the Eddy?

The Eddy is a small portable display with a built-in speaker. A bluetooth connection can be made between the Smart and the Eddy. You can choose whether to transmit text and/or sound. The text appears in 1, 2 or 3 text lines, depending on the settings.



Figure 1: The Eddy

SEE ALSO:

"Setting up the Eddy" on page 73

2 Bluetooth

Bluetooth is a wireless communication technology, which operates over a short distance. No physical connection is required for bluetooth. You can exchange data over a distance of approximately 10 meters. With bluetooth it is not necessary to direct the devices towards each other. If the devices are within each other's range, data can be transferred, even if the devices are located in separate rooms.

With the Smart you can use bluetooth to connect to other bluetooth devices. For example the Eddy or a mobile phone.



Some devices may not always be compatible with your device.



Objects between the devices can reduce the distance between which the devices can communicate.

3 Setting up the Eddy

- 1 Select **Tools > Eddy > Settings**.
- 2 If required, select the following options:


Connect automatically when Mind Express is launched	If selected, the device will automatically try to connect to the Eddy.
Send audio	If selected, the sound will only be relayed through the speakers of the Eddy.
Send text	If selected, the text will appear on the Eddy.
Write in capital letters	If selected, the text will appear on the Eddy in capital letters.
Number of lines on display	From the drop-down list, select how many lines of text (1, 2 or 3) you would like to see on the screen of the Eddy.

- 3 Tap **OK**.


SEE ALSO:

"What is the Eddy?" on page 72

4 Searching for the Eddy

- 1 Select **Tools > Eddy > Connect**.
- 2 Tap on **Search** .
The Eddy that has been found will appear in the drop-down list.
- 3 Perform one of the following actions:
 - Tap **OK**.
 - Connect to the Eddy.

5 Connecting to the Eddy

- 1 Select **Tools > Eddy > Connect**.
- 2 Tap on **Connect** .
The **Eddy** dialog is displayed with the message **Connected to Eddy**.
- 3 Tap **OK**.
- 4 Tap **OK**.

SEE ALSO:

"Disconnecting from the Eddy" on page 75

6 Disconnecting from the Eddy

- 1 Select **Tools > Eddy > Disconnect**.

Disconnected from the Eddy

SEE ALSO:

"Connecting to the Eddy" on page 74

I Connecting to the computer and USB connections

1 Connecting to the computer

You can use the supplied USB cable to connect the device to a computer. By connecting the device to a computer, you can transfer data to and from the device using Mind Express.

2 Connecting the device to the computer

Connect the supplied USB cable between the device and the PC.

The **Windows Mobile Device Center** dialog is displayed on the PC.

SEE ALSO:

"Disconnecting the device from the computer" on page 78

3 Disconnecting the device from the computer

To avoid losing data on the device and to avoid damaging the memory of the device, you are advised to follow the procedure described below when disconnecting the device from the computer.

- 1 Tap on the USB icon in the Windows notification area.
- 2 Tap on the option to safely remove the device.
- 3 Remove the USB cable between the device and the computer.

SEE ALSO:

"Connecting the device to the computer" on page 78

4 Connecting an external input panel

- 1 Connect the external input panel to the Smart using the supplied USB adapter cable.
- 2 Select **Tools > Smart3 > Settings**.
- 3 From the **USB keyboard** drop-down list, select the input panel layout of the input panel you have connected.
- 4 Tap **OK**.

5 Connecting an external mouse

Connect the external mouse to the Smart using the supplied USB adapter cable.

6 Connecting a USB stick

You can create a backup of the Smart on a USB stick.

Use the supplied USB adapter cable to connect the USB stick to the Smart.

J Making a call

1 Telephone

A bluetooth connection can be made between the Smart and your mobile phone. Once the connection has been established, you can call with the Smart to a telephone number you have entered or to people from the address book (for example, by using the file *app_call_smart*).

2 Enabling bluetooth

To make a connection between the mobile phone and the Smart, you must enable the bluetooth on both devices.

Select **Tools > Phone > Enable bluetooth**.

A sound signal is given as soon as bluetooth is enabled.

3 Setting up the Smart telephone options

You can change the bluetooth name of the Smart and you can automatically enable bluetooth when starting up the Smart. You can also visualize events. For example when the bluetooth is enabled, or when you are being called, ...

- 1 Select **Tools > Phone > Settings**.
- 2 If required, change the bluetooth name of the Smart in the **Bluetooth name** field.
This name appears in the list of paired devices on your mobile phone.
- 3 If required, select the **Connect at startup** option to enable bluetooth when starting up the Smart.
- 4 If required, select the **Show additional info** option to explain certain events on the screen.

EXAMPLE: Enabling bluetooth.

- 5 Select the **Notification on incoming call** option.
A message is displayed when you are called on the Smart.
- 6 Tap **OK**.

4 Connecting the telephone to the Smart

The connection between a mobile phone and the Smart depends on the brand and type of mobile phone. Below is a description of the general procedure.



Refer to the operating instructions of your mobile phone.

- 1 Enable the bluetooth of the Smart.
- 2 Enable the bluetooth on your mobile phone and allow the phone to search for available devices.
- 3 Search for the bluetooth name of the Smart in the list of available devices and pair.
- 4 Enter the pin code of the Smart. The standard code is 1111.

If the connection is successful you can use the Smart to call, answer calls and to ring off.

5 Calling a telephone number

You can use the Smart to call a number you have entered.



You can call people from the address book using the `app_call_smart` file.

- 1 Select **Tools > Phone > Call**.
- 2 Enter the telephone number (only digits) in the **Enter number** dialog.
- 3 Tap **OK**.

6 Answering the phone

You can use the Smart to answer an incoming call.



You can also answer the phone from the `app_call_smart` file.

Select **Tools > Phone > Answer**.

7 Ringing off

You can use the Smart to ring off.



You can also ring off using the `app_call_smart` file.

Select **Tools > Phone > Hang up**.

K Environmental controls

1 Environmental controls

The Smart is equipped with an infrared receiver and an infrared transmitter. This enables you to use the Smart to control devices such as televisions, radios, DVD players through infrared codes. The Smart can learn to recognize the infrared codes of the devices.

2 Acquiring an infrared code

1 Select **Tools > Environmental control > Record**.

2 Select an infrared code from the **JabblaiR** dialog

3 In the **Name** field, tap on the name of the infrared code.

EXAMPLE: Television louder

4 Hold the remote control of the relevant device (for example, the TV remote control) at a distance of approximately 5 cm from the Smart's infrared receiver (5).

5 Tap on **Record**.

In the **Status** field, the message **Press key and hold** will appear.

6 Briefly press the button of the remote control (for example, the volume up button).

In the **Status** field, the **OK** message is displayed. If **Error** appears, repeat the procedure starting from step 5.

7 Point the Smart towards the device of which you want to test the infrared code.



The infrared signal is transmitted through the infrared transmitter (13) on the back of the Smart.

8 Tap on **Test**.

If the infrared code actually carries out the requested command, then the test is OK. If not, then the code needs to be acquired again.

- 9 Repeat from step 2 to acquire further infrared codes.
- 10 Tap **OK**.

3 Creating a backup of the infrared codes

You can create a backup of the infrared codes so they can be restored should there be any problems. It can be useful if the Smart is used in different locations. You can acquire the infrared codes for location A. You create a backup. Do the same for location B. By going to **Restore backup** you can switch between the infrared codes, depending on the location.

- 1 Select **Tools > Environmental control > Backup**.
- 2 In the **Name** field, tap on the name of the backup.
EXAMPLE: Home
- 3 Tap **OK**.
- 4 Tap on **Yes** in the **Backup** dialog
The backup is being created.

SEE ALSO:

"Restoring a backup of the infrared codes" on page 90

4 Restoring a backup of the infrared codes

You can create a backup of the infrared codes so they can be restored should there be any problems. It can be useful if the Smart is used in different locations. You can acquire the infrared codes for location A. You create a backup. Do the same for location B. By going to Restore backup you can switch between the infrared codes, depending on the location.

- 1 Select **Tools > Environmental control > Restore backup**.
- 2 In the **Select backup** list, tap on the name of the backup you want to restore.



Restoring a backup may take a few minutes.

- 3 Tap **OK**.
The backup is restored.

SEE ALSO:

"Creating a backup of the infrared codes" on page 89

L Communication

1 Communication

Mind Express 4 has been installed on the Smart.

Mind Express is a computer program that is easy to use and that contains everything a speech therapist needs to create new communication grids and exercises. A wide variety of symbols, images, text to voice messages, music and sounds can be used to create interesting and stimulating communication grids.

Thanks to the Mind Express, voice messages can be created by selecting images and/or symbols. Mind Express also has a built-in grammar module which, among other things, automatically conjugates verbs.

There is also a wide range of symbols and icons available. These can be used to make communication cards, games, exercises or other applications. You can also add your own drawings, photos or new symbols.



You can create and edit documents on the Smart; however, it is easier to create a document on the computer and then forwarding it to the Smart using a USB connection.



To create or edit documents on the computer, follow the procedure as described in the Mind Express operating instructions.

2 Adding a specific Smart action

In addition to the standard actions that are available in Mind Express, you can also assign specific actions in the Smart to squares in your

- Eddy
- Environmental controls
- Rotate screen
- Smart 3 Camera
- Smart3

3 Adding an Eddy action

If you add one of the Eddy actions to a square in the communication grid, then by selecting that square you can connect to or disconnect from the Eddy, enable or disable the text, switch the sound on or off and the increase or decrease the volume.

- 1 Select **Edit > Edit mode**.
- 2 Double-tap on a square you want to insert an action into.
- 3 Select **Eddy** from the **Actions** options group.
- 4 Select one of the following options from the **Actions > Eddy** drop-down list:

Initialize/Reset	Connects to the Eddy.
Disconnect	Disconnects from the Eddy.
Clear text	Clears the text from the Eddy.
Sound: on	Switches on the sound of the Eddy.
Sound: off	Switches off the sound of the Eddy.
Sound: toggle	Switches the sound status on the Eddy. If the sound is on, then the sound is switched off after this action. If the sound is off then the sound is switched on after this action.
Text: on	Switches the text on the Eddy on.
Text: off	Switches the text on the Eddy off.
Text: toggle	Switches the text status on the Eddy. If the text display is on, then the text display is switched off after this action. If the text display is off, then the text display is switched on after this action.
Volume: up	Increases the volume of the Eddy.
Volume: down	Decreases the volume of the Eddy.

4 Adding an environmental control action

If you add one of the **Environmental controls** to a square in the communication grid, then by selecting the square you can control a device in your environment.

- 1 Select **Edit > Edit mode**.
- 2 Double-tap on a square you want to insert an action into.
- 3 Select **Environmental control** from the **Actions** options group.
- 4 From the **Actions > Environmental control** drop-down list, select one of the following options:

Pause	If necessary, in the Duration field, change the number of milliseconds you want the pause to last. The pause action is used to create time between 2 environmental control actions. For example: if a device does not accept a rapid succession of signals.
IR1	You can enter your own user-defined name here for this particular environmental control action. If necessary, go to the Repeat field, to change the number of times you want the signal to be transmitted. For example: if you want to increase the volume of a device significantly without the need to tap the square 10 times, you can enter Repeat 10 .

5 Adding a Smart 3 Camera action

If you add one of the **Smart 3 Camera** actions to a square in the communication grid, then when you select the square you can take a picture, display the previous or next picture or delete a picture.



In order to be able to view the pictures, the communication grid must contain a square of the Smart 3 Camera type.

- 1 Select **Edit > Edit mode**.
- 2 Double-tap on the square where you want to insert a camera action.
- 3 Select **Smart 3 Camera** from the **Actions** options group.
- 4 Select one of the following options from the **Actions > Smart 3 Camera** drop-down list:

Pictures for Media Library	This allows you to take a picture.
Next picture	The next picture from the media library is displayed.
Previous picture	The previous picture from the media library is displayed.
Delete picture	The active picture is deleted from the media library.

6 Adding a Smart3 action

If you add one of the **Smart3** actions to a square in the communication grid, by selecting the square you can adjust the brightness, set the device to standby or shut it down, enable or disable the microphone.

- 1 Select **Edit > Edit mode**.
- 2 Double-tap on a square you want to insert an action into.
- 3 Select **Smart3** from the **Actions** options group.
- 4 From the **Actions > Smart3** drop-down list, select one of the following options:

Increase brightness	Increases the brightness of the screen.
Reduce brightness	Reduces the brightness of the screen.
Standby mode	Put the device into standby mode.
Shut down	Shut down the device.
Microphone on	Switches on the device's microphone.
Microphone off	Switches off the device's microphone.
Microphone on/off	Switches between microphone modes. If the microphone is on, then this action switches it off. If the microphone is off, then this action switches it on.

7 Adding an screen rotate action

If you add one of the **Rotate screen** actions to a square in the communication grid, then when you select that square you can choose whether to display a portrait or landscape screen orientation or you can switch from portrait to landscape orientation and vice versa.

- 1 Select **Edit > Edit mode**.
- 2 Double-tap on a square you want to insert an action into.
- 3 Select **Rotate screen** from the **Actions** options group.
- 4 From the **Actions > Rotate screen** drop-down list, select one of the following options:

Portrait	A portrait screen orientation is displayed.
Landscape	A landscape screen orientation is displayed.
Toggle view	The screen is rotated. If a portrait screen orientation is displayed, then after this action it is switched to a landscape screen orientation. If a landscape screen orientation is displayed, then after this action it is switched to a portrait screen orientation.

M Troubleshooting

1 Finding the serial number of the Smart

In all your dealings with the support department, you will be asked to supply the serial number of the Smart.

- 1 Position the Smart in such a way that the strap faces upwards.
- 2 Perform one of the following actions:

Device has a protective cover	Undo the fastening of the strap and remove the protective cover to view the sticker with the serial number.
Device does not have a protective cover	Undo the fastening of the strap or push the strap to one side to view the sticker with the serial number.

2 Checking the Mind Express version on the Smart

- 1 Select **File > License Info**.
- 2 You will find the version of Mind Express in the top of the **Mind Express** dialog. For example 4.2.3.1267.

3 Viewing the activated symbol libraries

- 1 Select **File > License Info**.
- 2 View the symbol libraries in the list. If necessary, use the vertical scroll bar to view the complete list.

Indication	Explanation
black	installed + license
gray + *	not installed or not available in the selected language
light gray	installed, but no license



If you would like to apply for a license for other symbol libraries, please contact the distributor where you purchased the device.

4 Troubleshooting

Problem	Solution
The touch screen is slow or is not working properly.	<ul style="list-style-type: none"> • Use a stylus to tap on the touch screen. • Restart the device to correct any software errors. • Check that the most recent version of the software has been installed. • If there are any scratches or damage to the touch screen, please contact the support department of the distributor where you purchased the device.
The device does not respond anymore.	Press and hold the reset button for 5 seconds. The device will switch off. Press the start button to restart the device.
The device is hot.	During long and intensive use of the device, it can become hot. This is normal and has no effect on the life or performance of the device.
No bluetooth devices found.	<ul style="list-style-type: none"> • Make sure bluetooth is enabled on the device you want to connect to. • Make sure your device and the other device is within the maximum range of 10 meters. • If necessary, remove any object between the device and the other device. • The device may not be compatible with your device.
No connection between the device and the computer.	<ul style="list-style-type: none"> • Check that the cable between the device and the computer has been connected correctly. • Check that the Windows Mobile Device Center is installed on the computer.
The device cannot be switched on. When switching on the device , the on/off indicator flashes.	The battery is not sufficiently charged. Connect to the power supply and leave the device to charge for a few minutes before switching it back on.
The battery does not charge properly.	If the battery can no longer be fully charged, please contact the support department of the distributor where you purchased the device.

N Appendices

1 Acapela

1.1 US English

Table 1: Consonants

Symbol	Transcription	As in:
b	b{1 d	bad
t	t{1 b	tab
4	b E1 4 r=	better
p	p A11 p	pipe
d	d E11 t	date
k	k@U1 n	cone
g	g{1 g	gag
m	m {1 n	man
n	n@U1 z	nose
r	r@U1 z	rose
l	l E1 t	let
N	r l1 N	ring
f	f{1 t	fat
v	v@U1 t	vote
s	s{1 t	sat
z	z u1	zoo
S	S l1 n	shin

Symbol	Transcription	As in:
tʃ	tʃɪn	chin
z	mɛʒər=	measure
dʒ	dʒɪn	gin
ð	ðɪs	this
θ	θɪn	thin
w	wɛɪt	wait
j	jæçt	yacht
h	hɪt	hit

Table 2: Vowels

Symbol	Transcription	As in:
r=	kɔːrnr=	corner
ʌ	pʌt	pot
ɒ	θɒt	thought
l	lɪt	lit
i	nɪt	neat
u	zʊ	zoo
ʌ	hʌt	hut
ʊ	pʊt	put
ɪ	pæt	pat
ɛ	nɛt	net
@	@lɑː	allow

Symbol	Transcription	As in:
EI	m EI1 n	main
AI	h AI1	high
OI	b OI1	boy
@U	n @U1 z	nose
aU	p aU1 t	pout

1.2 UK English

Table 3: Consonants

Symbol	Transcription	As in:
b	b {1 d	bad
t	s t Q1 p	stop
t	t @ m Q1 r @U	tomorrow
t_h	t_h Q1 p	top
p	s p O:1 t	sport
p	p @ t_h el1 t @U	potato
p_h	p_h {1 d	pad
d	d el1 t	date
k	s k O1 n	scone
k	k { m p_h el1 n	campaign
k_h	k_h @U1 n	cone
g	g {1 g	gag

Symbol	Transcription	As in:
m	m {1 n	man
n	n @U1 z	nose
r	r @U1 z	rose
l	l e1 t	let
L	{1 d V L t	adult
N	r l1 N	ring
f	f {1 t	fat
v	v @U1 t	vote
s	s {1 t	sat
z	z u:1	zoo
S	S l1 n	shin
tS	tS l1 n	chin
Z	m e1 Z @	measure
dZ	dZ l1 n	gin
D	D l1 s	this
T	T l1 n	thin
w	w e1 t	wait
j	j Q1 t	yacht
h	h l1 t	hit
hj	e k s h j u:1 m	exhume
hl	hl {1 n d @ f	Llandaff
x	l Q1 x	loch

Table 4: Vowels

Symbol	Transcription	As in:
A:	f A:1 D @	father
O:	f O:1	four
l	b l1 t	bit
i:	n i:1 t	neat
u:	z u:1	zoo
V	h V1 t	hut
U	p_h U1 t	put
{	p_h {1 t	pat
e	n e1 t	net
@	@ l aU1	allow
eI	m eI1 n	main
al	h al1	high
OI	b OI1	boy
@U	n @U1 z	nose
aU	p_h aU1 t	pout
3:	f 3:1	fur
Q	d Q1 t	dot
l@	n l@1	near
e@	D e@1	there
U@	S U@1	sure
i	l @U1 k @ l i	locally

Symbol	Transcription	As in:
u	p_h V1 N k t S u @ L	punctual
A~	r e n e l 1 s A~ s	renaissance
E~	v E~1	vin
O~	{1 v i n j O~	avignon
l=	b {1 t l= { k s	battleaxe
L=	b {1 t L=	battle
m=	e l 1 T i l z m=	atheism
n=	s V 1 d n=	sudden
r=	h l 1 s t r= i	history

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