Bestic AB

Manual for Bestic

Eating Assistive Device

Bestic software version 2.4

Eating with Bestic
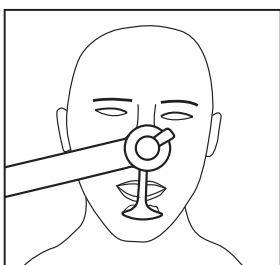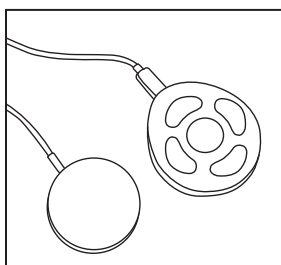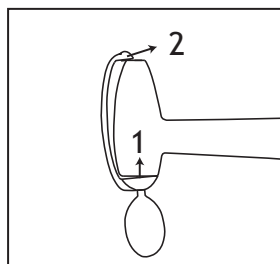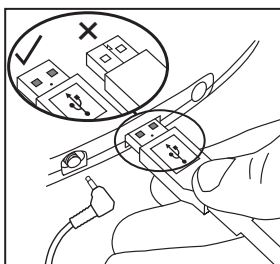
Eating with Bestic
Document version 1.2
Software version from 2.2

Always read the manual
before using Bestic.

www.bestic.se/en
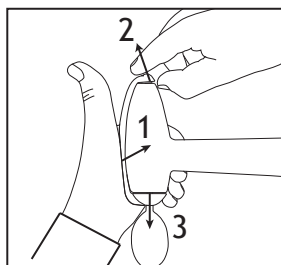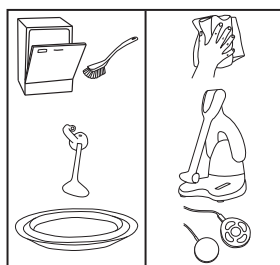
How to adapt Bestic to your needs

Too much food on the spoon?

If you use 2stp
- Change to 2 clicks (Main menu/More settings/2stp clicks <2>). You can now stop the movement of the spoon before the spoon reaches the border if you click a second time.
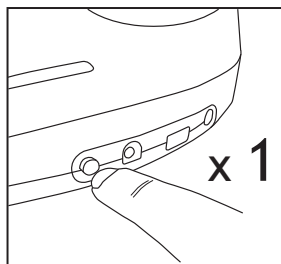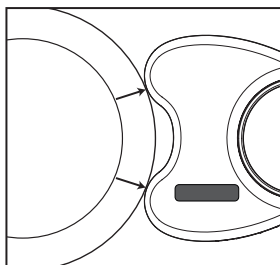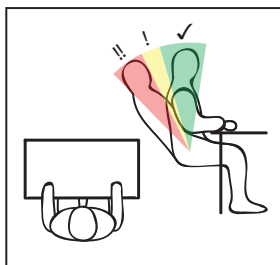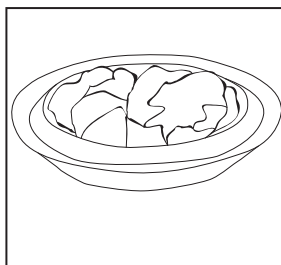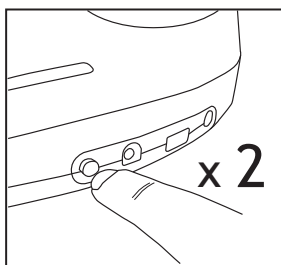- Serve less food per portion and get a second serving. Cut the food into smaller pieces.

If you use 1stp
- Serve less food per portion and get a second serving. Cut the food into smaller pieces.

If you use 5usb
- Stop the spoon a little earlier, the spoon always continues a bit further in the scooping direction before picking up.

Not enough food on the spoon?
- Serve more food on the plate. If you cannot eat more and have the small plate option, change to small plate.
- Cut the food into smaller pieces.
- Activate U-turn (Main menu/More settings/U-turn <Yes>). Now you can stop the spoon immediately if it does not pick up any food and go back down to the plate. Exactly how the spoon acts with U-turn is different for the different control methods. See chapter 8.2.1 in the manual.

Does it take too long before the spoon reaches your mouth?
- Deactivate scrape off (Main menu/more settings/scrape off <No>).

Difficulties with controlling Bestic?
- Try changing control mode.

Pros and cons with different control modes:

2stp
+   Just need a one-button control
+   You control which bite of food to pick up as well as the pace
-   You need to be able to press at the right time.

1stp
+   Just a one-button control
+   Just need to be able to press one time per food bite, not dependent on timing.
-   You only control the pace

5usb
+   Bestic only moves on the plate when you give the signal.
+   You control which bite of food and the pace
-   You need to be able to use a five-button control.

4usb
As 5usb above, but if you are using e.g. a joystick for your chin, this control mode will decrease your chances of pressing the OK-command involuntarily.

Difficulties pressing the control device?
■   Try another control. For Bestic SINGLE all contacts with mono connection and no power are approved.
■   Not all control devices with USB-contact will work; contact your local Bestic contact to be advised on alternatives.

Table of contents

8. Menus and settings

Appendices

Weight: 2 kg (4.4 lbs)
Height: 34 cm (13.4")
Depth: 20 cm (7.9")
Width: 20 cm (7.9")
Battery operating time:
5 hours

Bestic is a Medical Device Class 1 in accordance with the legislation in force (the Act (1993:584) on medical devices and the regulations issued by the Swedish Medical Products Agency, LVFS 2003:11.

CE

1. Introduction

1.1 Intended use

Bestic® is an assistive eating device which enables people to eat independently. It is intended as a daily support during mealtimes for persons without, or with a reduced, functionality in their arms or hands. Both adults and children can use Bestic, and the user controls the device via different control devices. The device is not intended to be used as a toy.

1.2 Contact

Bestic is a Class I/CE-marked medical device, manufactured and CE-marked by Bestic AB, Stockholm, Sweden. For local contact persons and service, please go to our website (www.bestic.se/en) to find contact information in your country.

2. Safety

It is important to read this chapter thoroughly and to understand it, before starting to use Bestic.

2.1 Information about the warning sign

This picture indicates a warning. If it is shown next to a paragraph, it means that there is a risk of injuries for a person, or a risk of damage to Bestic if the information is neglected.

2.2 Disclaimer

Bestic AB takes no responsibility for damages caused by incorrect use of the device.

Only persons who have been informed and instructed on its use should operate the eating device.

The device must be operated according to the instructions in this Manual.

Bestic AB has the right to change specifications on Bestic without notification.

2.3 Safety instructions
Follow the safety instructions below:

> ⚠️ Always evaluate what demand the user's health condition and diagnose affects the meal environment, especially concerning the risk of choking. Using Bestic does not cause an elevated risk for choking compared with being fed by a person.

1. Make sure that you understand all the instructions and warnings before you connect and start using Bestic.
2. The plate shall stand to the left of Bestic when the text in the display is facing the user. The plate shall stand so that it touches the "feet" of Bestic and have a non-slip mat underneath.
3. Make sure you use the plate size that corresponds to your settings (view section 7.2.3 and appendix 4).
4. Do not dismantle any screws from Bestic. Do not try to open it in any way.
5. Never pour liquids over Bestic or immerse into liquids.
6. Never hold the power-cable, or any contact, with wet hands.
7. Place Bestic on a flat and steady surface. Make sure Bestic stands steadily without risk of falling.
8. Attach only the supplied power-adapter to Bestic. Never modify the power-adapter yourself.
9. Take hold of the plug when disconnecting from an electrical outlet, do not pull the cable.
10. Be aware of the risks for squeezing. When the arm is moving, the risk areas occur near the joints.
11. Make sure the temperature around Bestic does not exceed +40 degrees Celsius/100 degrees Fahrenheit. Do not leave Bestic in the sunlight or in a trunk of a car on a sunny day.
12. Do not put fragile objects close to Bestic as they might be tipped or damaged by the movements of the arm. Be extra careful with burning candles.
13. Never put Bestic in the dishwasher.
14. Do not transport Bestic in a bag with wheels; the trembling that occurs might damage it.

15. When Bestic shall be transported, all control devices and contacts shall be unplugged to prevent it from starting.
16. Should the function of Bestic change in any way or behave unexpectedly, turn off the unit, unplug the power adapter and contact your local service contact.

3. Product overview

3.1 Description

Overview of Bestic, system parts:

1. Spoon holder
2. Carrying handle
3. Menu window
4. On/Off/ button
5. Phone plug (connection port)
6. USB (connection port)
7. Charging connector for power cord
8. Reset button
9. Spoon
10. Power adapter
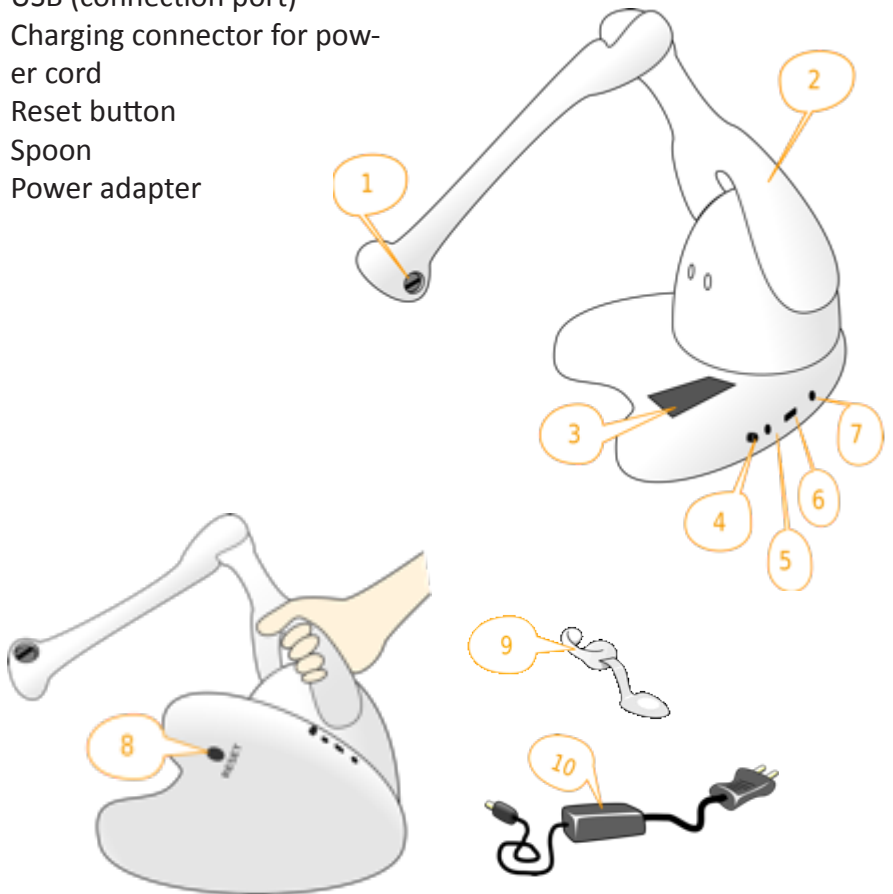
4. Handling

4.1 Lifting Bestic

When lifting Bestic, use the built-in handle
in the lower, thicker part of the arm (see picture).

| ⚠️ | Do not lift Bestic with the thin upper part of the arm. |

4.2 Connecting a control device

| ⚠️ | Bestic can only be connected to approved and validated control devices. If the unit is connected with a control device that has not been validated there is a risk of electrical disturbance or damages. A complete and updated list of approved and validated control devices is available on our website www.bestic.se/en. |

There are two types of connectors for control devices on Bestic
(see section 3.1):
5. Phone plug
6. USB

4.3 Charging

Bestic contains a battery that needs to be charged. If Bestic does not start or if the display tells you to charge, connect the power-adapter. Connection and disconnection of the power-adapter can be done at any time. When the power-adapter is connected the battery is automatically charged. The time to charge a completely empty battery is app. 3 hours. If you are operating the device during charging, it may take a longer time before it is fully charged.

4.4 Attach and dismantle the spoon

It is easier to attach and dismantle the spoon when the arm is raised to starting position.

Attach the spoon by aiming the end of the spoon into the fissure and snap onto the rear part of the spoon-holder.

Dismantle the spoon by pressing on the side of the spoon holder to make it pop out a bit in the rear end then lift the rear part of the spoon holder back and towards the side.
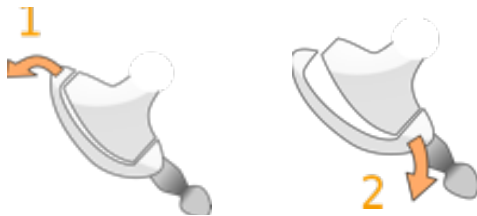
4.5 The plate

Use the plate that is supplied with Bestic. This plate has an edge that facilitates scooping up the food. The diameter of the plate corresponds with the arm movements of Bestic and by using another plate, we cannot guarantee that the arm movement works properly. The plate is available in two different sizes: Large <L>, 25.5 cm wide and small <s>, 21.5 cm wide. Make sure you place the right plate in front of Bestic according to your settings (view section 7.2.3 and appendix 4).

21.5 cm   25.5 cm
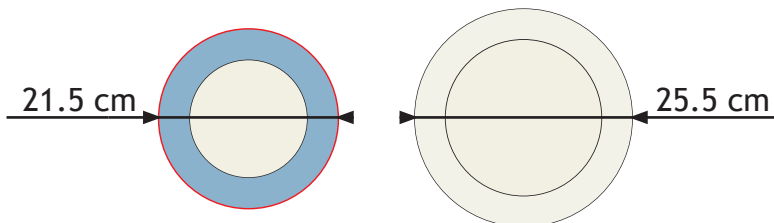
4.6 Turning Bestic on and off

Bestic is turned on and off by using the black on/off button. When the black on/off button is pressed...

- *ONE TIME* - Bestic will immediately stop where it stands and start to turn off.
- *TWO TIMES** - (within five seconds, while the display is lit up with the text "Bestic shuts down") Bestic will fold to resting position.
- *THREE TIMES** – (within five seconds, while the display is lit up with the text "Bestic folds to resting position" or the equivalent in your language). Bestic will stop where it stands.
- *FOR AT LEAST 2 SECONDS* - you will get the option to enter the main menu (view section 8.2). This action will also prompt the spoon/arm to stop.

*Bestic can only go to resting position when it is in eating mode. This is to prevent the arm from moving during transport. Thus, the above description of pressing two and three times is only true when Bestic is in eating mode.

You can turn off Bestic at any time, no matter which menu option is shown in the display or if it is in eating mode.

4.7 Emergency stop

Press the on/off button to turn off Bestic for emergency stop.

4.8 Reset

If Bestic does not react on command or reacts strangely in any way, a "Reset" might help. Press the reset button underneath Bestic with a pen through the hole where it says "Reset".

4.9 Error code

If the display shows the following text: `Contact service`

⚠	DO NOT try to restart or reset the device. Unplug all control devices and the power-adaptor and contact your local sales representative: www.bestic.se/en/contact/distributors

5. Care Instructions

5.1 Cleaning

1. Make sure Bestic is turned off.
2. Disconnect the power-adapter and control device.
3. The spoon with the holder and the plate can be washed by hand or in a dishwasher in maximum 70°Celsius/158°Fahrenheit.
4. Cleaning of the main unit, the power-adapter and control device is done with a ***moist cloth with dishwashing liquid for manual washing-up or alcohol***. Do not use strong detergents, solvents or abrasive detergents. When needed, a soft brush may be used.

6. Transport and storage

6.1 Packing for transportation

1. When the unit is being transported, make sure it is turned off in the resting position. In the resting position it is folded and compact which is suitable for transportation. To get Bestic into resting position, view paragraph 4.6 "Turning Bestic on and off".
2. Make sure any control devices or the power adapter are unplugged when carrying or shipping Bestic.
3. Preferably use the dedicated backpack when transporting Bestic. Try to avoid pressure or shaking. The arm in particular is sensitive for enduring pressures.

6.2 Storage

For maintenance reasons, the battery in Bestic needs to be charged at least once per year during 3 hours, otherwise the battery might be damaged. Store the unit in a standing-up position on a flat surface.

7. How to eat with Bestic

Before starting to use Bestic – make sure you have read and understood all the safety instructions in chapter 2 "Safety". You should also have read chapter 4 "Handling". Bestic does not move unless instructed to do so by the user via the control device.

7.1 Start

1. Place Bestic on a flat, steady surface.
2. Place the plate on to the non-slip mat. Make sure you are using the right plate (view section 7.2.3 and appendix 4).
3. Place Bestic close to the plate, so that the device touches the plate with its "feet".
4. Connect your control device.
5. To start, press the black on/off button on the side of Bestic.
6. Go through the start menu (view section 7.2)
7. When the arm is in starting position, i.e. when the arm is stretched out and in the air, attach the spoon.

7.2 Start menu

The *start* menu will appear in the display when Bestic is turned on with the black on/off button, as well as when leaving the *main* menu after pressing OK for Save & exit.

N.B. Your display may look a bit different depending on whether or not you have unlocked different software options on your unit.

7.2.1 Start menu – with only one user

Bestic 2.4.1	Enjoy your meal!	Plate s 78% Benny 5usb
Software version is displayed.	Press any button/ direction on your control device.	Bestic is in eating mode.

7.2.2 Start menu – with Multiple User Option

Only shown if you have added a third/fourth user/profile in setup.

Choose user Agnetha	Choose user Björn	Choose user Benny	Choose user Anni-Frid

Press LEFT or RIGHT to switch between users. Press OK to choose user, e.g. Anni-Frid.

With the Multiple User Option, you may store settings for up to four (4) profiles. These profiles can e.g. be settings for four different persons or four different settings for different places for one person; Home, School, Parents, TV-room. If your Bestic unit does not have the Multiple User Option, only settings for one person/profile can be stored. The profiles are pre-named to Agnetha, Björn, Benny and Anni-Frid for simplicity reasons and are intended to be renamed (view section 8.2.2).

N.B. When **Enjoy your meal!** is shown in the display, the spoon/arm will move to starting position, i.e. the spoon will go up to the user's mouth according to the settings made in the **main menu**.

7.2.3 Start menu – with Small Plate Option

With the Small Plate Option unlocked on your Bestic unit, the start menu will look a bit different when your unit is set to large plate (which is the default setting). You will always get this question before you start eating:

Large plate? Yes

If you choose small plate <s> in *More settings* (section 8.2.1), you will NOT receive this question. <Yes> will always show up as the first option and you verify by clicking OK on your control device. The reason for this is that you must always make sure that you have placed a large plate next to Bestic before you start eating when it is set to plate size <L>.

> ⚠️ IF you place a small plate in front of Bestic when it is set to large plate (<L>), there is a risk that the spoon will go outside of the plate and tip the plate towards you. Please be aware that this is true even if you DO NOT have the Small Plate Option and are using a small plate since a unit without the Small Plate Option is always set for a large plate.

N.B. If you have set your Bestic for small plate <s> and place a large plate in front of Bestic, Bestic will not work as well since the spoon will only move in the area assigned for the small plate.

7.3 Control modes

7.3.1 Five USB (5usb)

Allows the user to control the spoon in any direction on the plate with a five-button control device.

To descend the spoon to the plate, press RIGHT OR LEFT. If you press RIGHT, the scooping side of the spoon will be angled to the right and vice versa. When the spoon reaches the plate, it will remain still until you press a directional button on your control device; UP/DOWN/RIGHT/LEFT. To pick up food, press OK. The spoon will then scoop up food, lift up from the plate and scrape off towards the edge of the plate (unless you have deactivated "Scrape off", view section 8.2.1) and then go up to the mouth. Thus, after pressing OK, you do not need to give more signals to Bestic until after you have eaten the food from the spoon. Press when you want the spoon to descend to the plate once more.

7.3.2 Bestic Single TWO-STEP (2stp)

Allows the user to control the spoon with a one-button control device.

When the spoon is in starting position, press the one button control device for the spoon to go down to the plate, alternating its scooping side between left and right every second time. The spoon will move in a curved path over the plate until the user presses the button. View illustration for the movement pattern. If the user does not press the button,

the spoon will move along the curved path five times and then stop. When pressing the button, the spoon will start to move along the curved path again. When the user presses the button while the spoon is moving across the plate, the spoon will stop and move towards the edge of the plate in the direction facing the scooping side of the spoon and pick up food when it reaches the edge of the plate. Thereafter, the spoon will follow the same pattern described for 5usb. Repeat this pattern until finished eating. *If the user presses the button before the spoon has reached the edge, it will stop and scoop up food straight away (N.B. this is only true if* TWO-STEP *is set on 2 clicks (<2>) in the setup list, view section 8.2.1).*
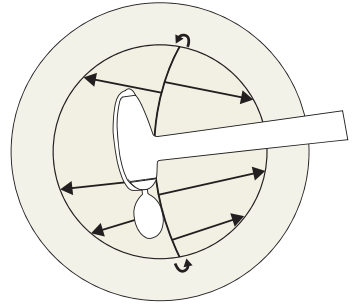
7.3.3 Bestic Single ONE-STEP (1stp)
Allows the user to control the spoon with a one-button control device.

In ONE-STEP, the spoon moves in a pre-set pattern with several "points" on the plate. You still control the pace that you are eating in and the spoon moves to the next position in the pattern every time you press OK. When the spoon is in starting position, press the one button control device for the spoon to go down to the plate and to scoop up a piece of food. The spoon then lifts up from the plate and goes to the edge of the plate to scrape off any excess food (unless you have deactivated "Scrape off", view section 8.2.1) and then up to the mouth. After the first bite of food has reached the mouth, push the button again, and the spoon will repeat the cycle as above but scoop up food from another area of the plate. The spoon will perform one eating cycle after each push on the one button control device, until it has covered the whole plate. Having done this, the spoon will move in a smaller area in the middle of the plate and then go out to the edge to scoop up food until Bestic is turned off. View illustration for scooping pattern.

PD2023_Manual for Bestic2.4_EN_ver3
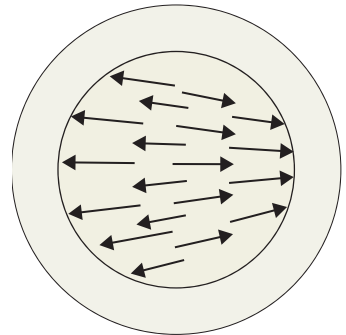
7.3.4 Four USB (4usb)

Works as 5usb above, except that the OK-signal comes from a one-button control device.

The four directional signals for UP/DOWN/RIGHT/LEFT come from a control connected to the USB, and the OK-signal comes from the one-button control device connected to the phone plug outlet. The one-button signal works as the OK-signal given from the five-button control as described above for 5usb. N.B. When you set your device for 4usb, you will not be able to switch to 1stp or 2stp unless you unplug your five-button control device from the USB-port.

> ⚠ N.B. When a one-button control device is plugged into Bestic, you can use this button to turn Bestic on, i.e. instead of pressing the black on/off button. It is important to be aware of this function of the one button control as not to startle the user if Bestic starts because the user has pressed the one-button control involuntarily.

Control mode	5usb	4usb	1stp	2stp
Control device	Five-button	Five-button and one-button	One-button	One-button

7.4 Switching control device/control mode

Both the phone plug connection and the USB connection can be connected at the same time. If you wish to switch between control devices, e.g. from your five-button control to your one-button control and thus change the control mode which is set for that control device, you simply push on the device you want to use (provided you have connected it first) and Bestic will react to the signal from this control device. This will automatically happen in the display:

44% Björn 5usb	Switching to 2stp	44% Björn 2stp

8. Menus and settings

This manual will give instructions on how to navigate the menus with a five-button control device (the Bestic Picasso MINI). For information on how to use other control devices such as joysticks, please view the specific instructions for your choice of control device. Bestic is built around two menus; the start menu and the main menu. To switch between the top levels of the main menu and start menu, scroll horizontally (LEFT OR RIGHT). The main menu contains lists with different options; you scroll the lists by using the four directions on your five-button control device: vertically to go UP and DOWN, horizontally to go LEFT or RIGHT and pressing the middle button for OK. (When using a one-button control, the "OK" command is the same as pressing once on your control).
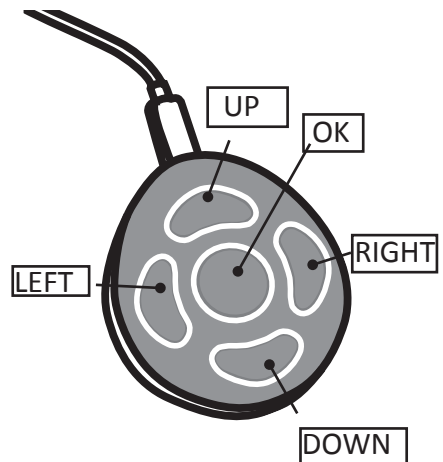
A more detailed description of the Bestic Picasso MINI, including safety instructions, can be found in Appendix 1 in this manual.

Plate size only shown with Small Plate Option

Battery level

```
Plate s      78%
Agnetha    5usb
```

User name/user profile

Control mode

If the power adapter is plugged in during eating mode, the text "charging" will appear.

```
Plate s charging
Agnetha    5usb
```
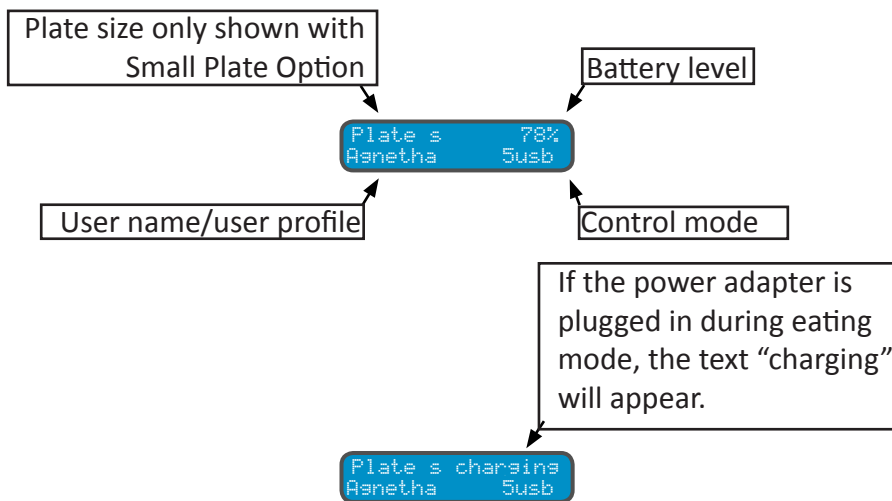
8.1 Symbols and abbreviations in the menus

Agnetha
Shows the name of the user/profile that is active, in this case "Agnetha".

Plate L/s
Indicates which plate size you are using. This will only show if you have unlocked the Small Plate Option on your device. When you have made the setting for a large plate, you will see the letter "L", and when the setting is for a small plate, you will see the letter "s".

78%
Battery level.

!
Indicates that your battery is running low and you should charge your unit.

Charging
Power adaptor is connected.

5usb
You are using the control mode 5usb (view section 7.3)

1stp

You are using the control mode Bestic Single ONE-STEP (view section 7.3).

2stp

You are using the control mode Bestic Single TWO-STEP (view section 7.3).

4usb

You are using the control mode 4usb (view section 7.3).

*

Indicates that you need to press OK if you want to select this option, if you do not wish to select the indicated option, you simply press UP/ DOWN to move to the former or the next option on the list.

< >

Indicates that you may change a value/option by pressing the RIGHT OR LEFT button. If the value on the display says <32>, by pressing RIGHT/ LEFT, you will change your value. The same applies when switching between e.g. Yes and No (<Yes> < No>) and other special options.

8.2 Main menu

The main menu is where you make all the settings for your device as well as the settings for each user. To enter the **main menu**, press the black on/off button at any time on your Bestic device for at least 2 seconds until this appears in the display:

Switch between Yes and No by using the right and left button on your control device. Scroll to **Yes** and make your choice by pushing OK and you will enter the main menu.

To enter the submenu **More settings**, press **OK** and make your settings. When you press **OK** for **BACK** in this submenu, you will again end up on **More setting**s in the list (the same place as you entered **More settings**) and you press **DOWN** in order to go to **Save & exit**.

Page 23 of 36

```
┌─────────────────────────┐   ┌─────────────────────────┐   ┌─────────────────────────┐
│ <     Agnetha      >    │   │ <      Björn       >    │   │ <      Setup       >    │
│ Spoon height<32>        │   │ Spoon height<29>        │   │ Rename user         *   │
│ Spoon out    < 0>       │   │ Spoon out    < 5>       │   │ Add user            *   │
│ Test spoon pos.*        │   │ Test spoon pos.*        │   │ Remove user         *   │
│ Single      <2stp>      │   │ Single      <1stp>      │   │ <      English     >    │
│ More settings   *       │   │ More settings   *       │   │ Service             *   │
│ Save & exit     *       │   │ Save & exit     *       │   │ Save & exit         *   │
└─────────────────────────┘   └─────────────────────────┘   └─────────────────────────┘
```

```
┌─────────────────────────┐   ┌─────────────────────────┐
│   More settings         │   │   More settings         │
│ 2stp clicks  <1>        │   │ 2stp clicks  <2>        │
│ Spoon size   <L>        │   │ Spoon size   <s>        │
│ Plate size   <L>        │   │ Plate size   <s>        │
│ High path  < No>        │   │ High path  <Yes>        │
│ 1stp pause < No>        │   │ 1stp pause < No>        │
│ Scrape off <Yes>        │   │ Scrape off <Yes>        │
│ U-turn     < No>        │   │ U-turn     <Yes>        │
│ USB Ok     <Yes>        │   │ USB Ok     <Yes>        │
│ Back            *       │   │ Back            *       │
└─────────────────────────┘   └─────────────────────────┘
```

N.B. A second user/profile, as well as a third and fourth, will only be shown if they have been added in the setup list.

8.2.1 Individual settings

To make individual settings for user profile "Björn", you scroll LEFT/RIGHT until Björn appears in the display:

```
<      Björn      >
Spoon height 33
```

| Press DOWN | ↓ |

```
        Björn
Spoon height<33>
```

| Press DOWN | ↓ |

```
        Björn
Save & exit     *
```

| Press OK | * |

```
              44%
Björn       5usb
```

> N.B. When leaving the main menu, the spoon will always go to the mouth position. Beware of this movement.
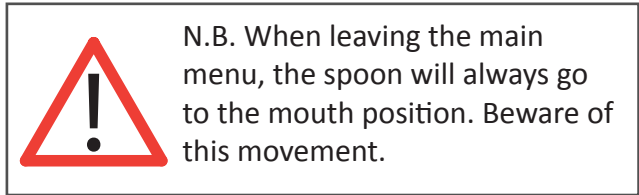
Spoon height
This regards the height of the arm of Bestic over the plate. Increase or decrease the value according to the user's preferences.

Spoon out
This setting defines the spoon position with respect to the user's mouth in the serving position in order to come close to the mouth. By increasing the value, you will move the spoon closer towards the user. Changing this value should be done in agreement with the user. Please view the technical specification for Bestic for further details.

Test spoon pos.
If you would like to test the settings you just made, press OK. **The spoon/arm will first *move* down and then up to its starting position by the mouth.** Set the spoon height so that the user has a comfortable eating position at the kitchen table (or the place normally used for eating). If e.g. the user's nose gets in the way of the spoon, try to increase the

spoon height with a few centimeters. If the position needs to be adjusted, press UP to move to spoon height and/or spoon out again and make new settings and try them again. The spoon position is very important in order for the user's eating experience to be optimal. The settings can be altered as many times as needed. Please view the technical specification for Bestic for further details.

Single
Default setting is Bestic Single TWO-STEP (<2stp>), press LEFT or RIGHT to change to Bestic Single ONE-STEP.

More settings
Press OK to enter the submenu **More settings** (view details below).

Save & exit
Press OK or use UP/DOWN to go through the list again. Once you press OK, you will be shown **Enjoy your meal!** in the display and Bestic is ready for use.

More settings
2stp clicks
Double click (<2>) is an additional setting for the control mode Bestic Single TWO-STEP. This means that you may press again before the spoon reaches the edge of the plate and pick up food. I.e. press once and the spoon will go down to the plate and starts moving up and down the plate. Press again for the spoon the start moving towards the edge, press a third time and the spoon will pick up food straight away instead of pushing food all the way to the edge. The default setting is 1 click (<1>), which means that you will not have the option to press a third time.

Spoon size
Change the default setting large (<L>) to small (<s>) if you eat with a small size spoon.

Plate size
This option will only be shown if you have the "Small Plate Option".
Change the default setting large (<L>) to small (<s>) if you want to eat with a small plate.

> Please view section 7.2.3 and appendix 4 for safety instructions when using different plate sizes. ⚠️

High path
The default setting No (< No>) means that the spoon moves in an ascending and descending curve movement pattern from the plate to the mouth and back. If you change to Yes (<Yes>), the spoon moves straight up from the plate and when reaching mouth height, it starts moving towards the user. On its way back to the plate, it first backs off horizontally until it is over the plate and then moves down. This is especially useful for users controlling Bestic with their chin, in order to avoid the spoon from getting in the way of the joystick on its way down to the plate.

1stp pause
The default setting for Bestic SINGLE ONE-STEP (1stp) is No (< No>), i.e. no pause.
m
If you choose "mouth" (<m>), the spoon will make a pause by the user's mouth during 13 seconds. When the spoon is up by the user's mouth, the spoon will not move down to the plate regardless of how many times the user presses the one button control device during those 13 seconds.
p
If you choose "plate" (<p>), the spoon will make a pause just above the plate. This pause will remain until you press the one-button control again.
p+m
If you choose "plate+mouth" (<p+m>), both of the pauses described here above will occur.

The pauses are for users with involuntary movements (e.g. difficulties to stop clicking the one button control device).

Scrape off
Yes (<Yes>) is default for scrape off. This means that the spoon will always go towards the end of the plate in order to scrape off any excess food underneath. If you would like to disable this function, you change the setting to No (< No>).

U-turn
No (< No>) is the default setting for U-turn. Activating U-turn enables the user to stop the spoon in its motion anytime AFTER it has started scooping up food by pressing OK (or pressing on your one-button control). This can be helpful if the spoon does not scoop up any food or if you would like to change the scooping side of the spoon without the spoon returning to the mouth position.
With activated U-turn for 1 stp: The spoon will stop when you press OK and go to the next point in the scooping pattern.
With activated U-turn for 2 stp: The spoon will stop when you press OK and change its scooping side from left to right or right to left.
N.B. If you are using 2 stp with 2 clicks, the spoon will stop if you press again after the third click on the plate.
With activated U-turn for 5usb or 4usb: The spoon will stop and then wait for your signal to go down again. You will press LEFT or RIGHT in order for the spoon to go down to the plate, just as you do when the spoon is by the mouth position.

OK from USB
The default setting is No (< No>). If you choose Yes (<Yes>), it is possible to control Bestic in any direction with a five-button control device (joystick) together with a separate OK button connected into the "Phone plug" contact. This means that the usual OK on the five-button control device is turned off. The procedure is primarily intended for use with the "mini-joystick with push", when operated with the chin**.** The advantage is that you can use the joystick for the four directions and adding a separate one-button next to the head for confirmation.
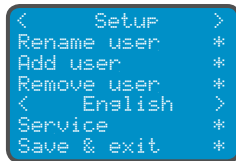
N.B. After you have selected "OK from USB", you will always need to have a one-button control device connected, in order to achieve the OK command.

Back

Press OK to move back to the list (you will again end up on the option **More settings**, simply press DOWN to move to the next option on the list).

If the user experiences that the settings are not optimal, it is always possible to enter the main menu and renew the settings.

8.2.2 General settings for the Bestic device

```
<      Setup      >
Rename user       *
Add user          *
Remove user       *
<     English     >
Service           *
Save & exit       *
```

Rename user

If you would like to assign the user's actual name to his/her individual settings you can do this here (for more detailed information, view paragraph 8.3 "Alphabet, numbers and special characters").

Add user

This option will only be shown if you have the "Multiple User Option". To add a user, press OK. You may choose to rename the user immediately or let Björn/Benny/Anni-Frid remain. You may always go back and rename a user.

Clear name (Not shown in the menu list)

When you choose "Rename User", you will receive the question "Clear name?". If you have only one user saved on your device and you click Yes (<Yes>), the saved name will be deleted. If you have more than one user saved, you will first have to choose which user you would like to rename.

Remove user

This option will only be shown if you have the "Multiple User Option". To remove a user, press OK. You will need to confirm the removal.

<English>

Choose language and it will change immediately. N.B. The display text language is set for the whole device, not for the individual user, and therefore it is only possible to have ONE language setting per Bestic device. This means that if you have one Swedish-speaking user and one Finnish-speaking user, you will have to choose one or the other for the display text.

Service

To enter the service menu, you need to have access to a special code, which is only available to trained technical staff. If you accidentally press OK on the service option and end up here:

```
Device: 0000
Software 2.4.1
```
→
```
      Service
       0000
```

Simply press OK again to get back to the setup list.

Save & exit

Press OK to save your settings. You will then be sent to the start menu where you choose user.

8.3 Alphabet, numbers and special characters

All letters, numbers and characters are built as two long lists that connect at the "ends". There are two different lists depending on whether you want capital or low case letters. The first row with capital letters are default, press OK to enter the second row with lower case letters (ä and ö are only available as low case letters). **The number of characters for a name is limited to 11 including spaces or hyphens**; e.g. *Anni-Frid* contains 9 characters and *Bjorn Borg* 10 characters.

8.3.1 Renaming and adding users

A blinking square around a letter indicates that this letter is "active" i.e. this is the letter you can change. To change the name "Agnetha" to "Björn", you scroll up once to get to "B". To move to "g" you press RIGHT and the square will move to the next letter. Press up until you get to "j". Press RIGHT again to continue to make the "n" active and switch this to "ö". Continue until you have written "Björn". Since Agnetha has two more letters than Björn, you will need to take away the "h" and the "a" at the end. You do this by finding the space in the list. When the display reads "Björn", press RIGHT until * is active and press OK to get back to the setup list. Of course, you may also use numbers and letters and write e.g. "Björn 2".

OK

"ö" and "ä" are only available in lowercase letters.

Etc. continued all the way to "a".

Space

Punctuation

Hyphen

Etc. continued all the way to "0".

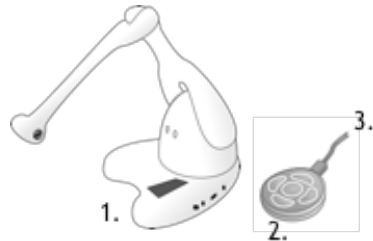Back to start/end of list.

| Name |
| Agnetha____ * |

| Name |
| Banetha____ * |

| Name |
| Bjnetha____ * |

| Name |
| Bjöetha____ * |

| Name |
| Björtha____ * |

| Name |
| Björnha____ * |

| Name |
| Björn_a____ * |

| Name |
| Björn_____ * |

# Appendix 1 - How to use the Bestic Picasso MINI control

Compatible with Bestic software from version: 1.01

1. Bestic main unit
2. Bestic Picasso MINI
3. USB cable

Setup:
1. Connect the USB cable to Bestic Picasso MINI as shown in the picture above. Note that the USB cable has different connector sizes on each of its two ends. The smaller one connects to Bestic Picasso MINI.
2. Turn the Bestic main unit on by pressing the black button.
3. Plug in the other end of the USB cable to Bestic. N.B. Make sure that the two holes on the USB-connector is facing upwards.
4. While roaming the menus and eating with Bestic, use the directional arrows on Picasso MINI to change the values and steer the spoon. Use the round button in the middle for "OK" and for picking up the food.
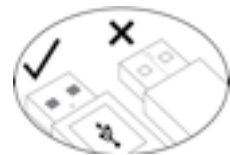
You can change the USB-cable (USB A to USB micro B) for a different length cable than the standard one up to 2 m. Those cables can be purchased at computer accessory stores.

Cleaning instructions:
To be cleaned with a moist cloth if needed.

⚠ Safety information for Bestic Picasso MINI
Not to be used in contact with water.
Do not open.

PD2023_Manual for Bestic2.4_EN_ver3

Appendix 2 – Serving tip

Bestic can handle food that is easily picked up with a spoon. This includes e.g. stews, yoghurt, porridge, rice, macaroni etc. and other foods that can be cut into pieces small enough for the spoon. Difficult foods to pick up are e.g. pizza, uncut sandwiches, slices of thin meat, spaghetti, etc.

- Do not serve a large "pile" of food in the middle of the plate, since this is where the spoon always goes down first and it will make it difficult for the spoon to pick up food.
- It is preferable to serve a second plate of food instead of putting a large amount of food on the plate all at once.
- Let user him/herself decide whether or not the food should be spread out in different areas on the plate or if he/she prefers that potatoes/rice/pasta is spread out first and then put meat/fish/pulses and sauce on top. One does NOT need to mix all the food together on the plate if the user does not wish to. Make sure that the serving looks tasty!
- If the food is very thick, e.g. mashed potatoes, large amounts of mash may get stuck on the spoon. Try to make the mash a bit less thick if possible.
- Try to leave the areas at "1 o'clock" at the top and at "6 o'clock" at the bottom of the plate empty as these areas are a bit difficult for the spoon to reach.
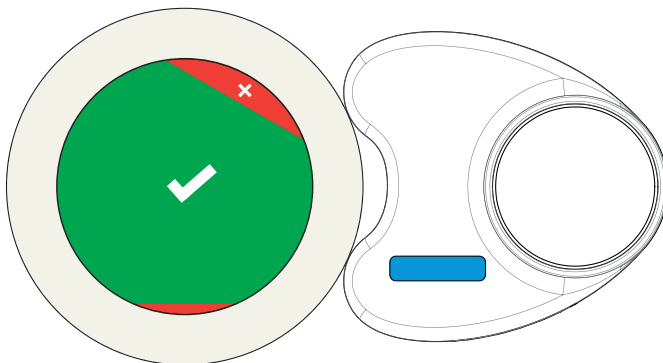
Appendix 3 – Notes for personal settings

Profile 1

Spoon height: _____

Spoon out: _____

Singel: _____

More settings

2 stp clicks: _____

Spoon size: _____

Plate size: _____

High path: _____

1 stp pause: _____

Scrape off: _____

U-turn: _____

OK from USB: _____

Profile 2

Spoon height: _____

Spoon out: _____

Singel: _____

More settings

2 stp clicks: _____

Spoon size: _____

Plate size: _____

High path: _____

1 stp pause: _____

Scrape off: _____

U-turn: _____

OK from USB: _____

Profile 3

Spoon height: _____

Spoon out: _____

Singel: _____

More settings

2 stp clicks: _____

Spoon size: _____

Plate size: _____

High path: _____

1 stp pause: _____

Scrape off: _____

U-turn: _____

OK from USB: _____

Profile 4

Spoon height: _____

Spoon out: _____

Singel: _____

More settings _____

2 stp clicks: _____

Spoon size: _____

Plate size: _____

High path: _____

1 stp pause: _____

Scrape off: _____

U-turn: _____

OK from USB: _____

Appendix 4 – Important about large and small plate

Small plate (s)	Large plate (L)

21.5 cm

Plate s 59%
Aɡnetha 5usb ✔

25.5 cm

**************** ✔

59%
Aɡnetha 5usb ✔

Battery 59%
Aɡnetha 5usb ✔

Plate L 59%
Aɡnetha 5usb ✔

*************** ✖

59%
Aɡnetha 5usb ✖

⚠ Battery 59%
Aɡnetha 5usb ✖

Plate L 59%
Aɡnetha 5usb ✖

View section 4.5 and 7.2.3.