

Eppendorf Xplorer® – Short instructions

Dis and Ads modes = Dispensing and Automatic dispensing

Procedure



In the **Dis** and **Ads** modes the aspirated liquid is dispensed in defined individual steps.

The display shows the volume per step and the total number of individual steps (**Steps**).

The **Ads** mode also shows the delay between the dispensing steps (**Time**).

In the **Ads** mode the rocker is held down to perform all dispensing steps. Automatic dispensing may be interrupted by releasing the rocker.

Aspiration



1. Press the rocker up.

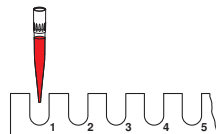
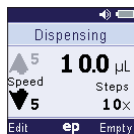
Reverse stroke after aspiration



After aspiration the reverse stroke must be discarded.

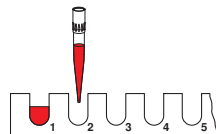
2. Press the rocker down.

Before the first dispensing step



3. Press the rocker down for the first dispensing step.
In the **Ads** mode the rocker is held down.

Before the second dispensing step



4. Press the rocker down again.

Hint
To abort the **Dis** or **Ads** modes press the **Empty** softkey to empty liquid from the tip.

When all dispensing steps are finished:



5. Press the rocker up to aspirate liquid again.

Or:



1. Security step: Press the rocker down once.



2. Press the rocker down again to discard the residual liquid in the tip.



3. Eject the tip.

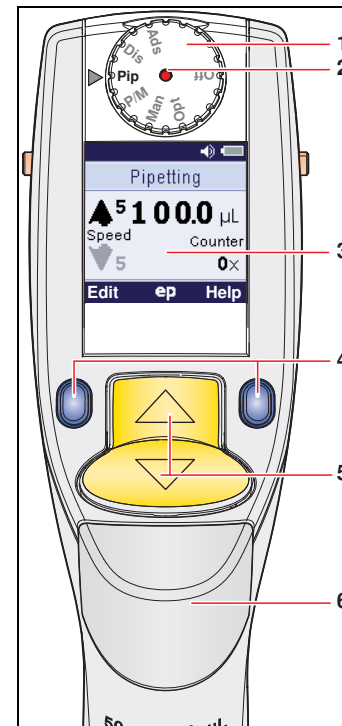
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Eppendorf Xplorer® – Short instructions



These short instructions are a supplement to the operating manual and not a substitute.
Read the operating manual before using the Xplorer for the first time!
These short instructions are valid from software version 01.05.00

Front view of upper part



1 Selection dial

The arrow indicates the selected mode.

Available modes:

Ads = Automatic dispensing

Dis = Dispensing

Pip = Pipetting

P/M = Pipetting and Mixing

Man = Manual pipetting

Opt = Options

Off = Power off

2 Red hardware reset button

3 Display

The display shows the selected mode, the set volume, as well as the aspiration and dispensing speed. The **Counter** counts each finished dispensing step in the Pipetting mode.*

The display dims during usage intervals and switches off after prolonged usage intervals.

4 Softkeys

The softkeys have variable functions. The active functions are shown in the bottom line of the display on both the left and right sides.

Press the **Help** softkey for additional information.

5 Rocker

The rocker is used to move the piston during dispensing operations.

During the editing procedure the selected parameter will be changed.

6 Ejector

Press the ejector to eject the pipette tip. Pressing the ejector when the tip is filled moves the piston to the basic position.*

* This feature can be switched off or on in the options.

Power on:

- ▶ Press the rocker or a softkey.
- ▶ Then select a mode.

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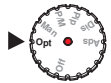
Eppendorf AG · Hamburg · Germany · Tel: +49 40 538 01-0 · **Application Support** E-mail: support@eppendorf.com

Eppendorf North America, Inc. · USA · Tel: +1 800 645 3050, menu option 2 · E-mail: techserv@eppendorf.com

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Option: Language selection

The language English is set by default on delivery.



1. Turn the selection dial to **Opt**.



2. Select the **Language** option with the rocker.



3. Open the **Language** option with the **Select** softkey.



4. Select your language with the rocker.



5. Open your language with the **Select** softkey.



6. To change the language, press the **Yes** softkey.

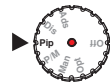


The new language is activated.

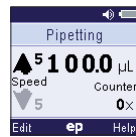
i Hint
Turn the selection dial to exit the options.

i Hint: Adjustment
A wrench in the left part of the header indicates that the factory setting has been changed.
No symbol appears in the header if the factory setting is active.

Edit Pipetting mode (Pip)



1. Turn the selection dial to **Pip**.



Piston in basic position.

2. Press the **Edit** softkey.



3. Select the volume with the rocker.



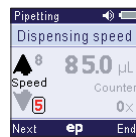
4. Press the **Next** softkey to select the next parameter.



5. Select the aspiration speed with the rocker.



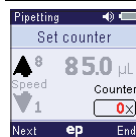
6. Press the **Next** softkey to select the next parameter.



7. Select the dispensing speed with the rocker.



8. Press the **Next** softkey to select the next parameter.



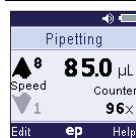
Optional parameter:
Counter indicates the number of performed dispensing steps.



9. Select the new number with the rocker.



10. Press the **End** softkey to save the changes and to exit the edit mode.



The pipette is ready for aspiration with new parameters.

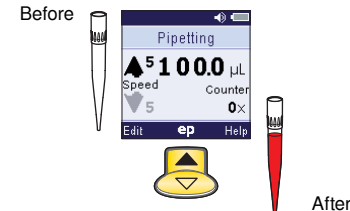
The editing procedure is the same in all operating modes.

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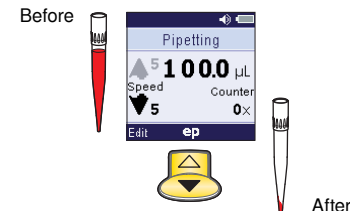
Pipetting mode (Pip)

Procedure

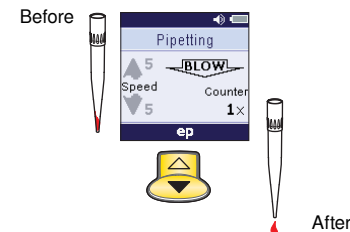
- Aspiration** 1. Press the rocker up.



- Dispensing** 2. Press the rocker down.



- Blow** 3. Press the rocker down.



Repeat Blow or Next aspiration



Press the rocker down



Press the rocker up

i Hint for the Pip and Dis modes:
Stopping the piston movement!
Press the rocker in the other direction to stop the piston movement. Restart the piston movement by pressing the rocker up or down.

Pipetting and Mixing mode (P/M)

Procedure

Aspiration and dispensing are performed like in the **Pip** mode. Mixing occurs automatically after the liquid has been dispensed.



The display also shows the mixing volume (Mix) and the number of mixing cycles (Cycles).

If the rocker is held down during mixing, mixing occurs until the rocker is released. After mixing, the Blow step (Blow) must be performed.

i Stopping the mixing process:
Press the rocker up to stop the mixing process.

i Hint
Editing the pipetting volume automatically changes the mixing volume. The mixing volume can be edited separately after pressing the Next softkey to reach the Mix parameter.

Manual pipetting mode (Man)

Procedure

The Manual pipetting procedure is the equivalent of operation with a mechanical piston-stroke pipette:

- Liquid is aspirated as long as the rocker is pressed up.
- Piston movement stops when the rocker is released.
- Liquid is dispensed as long as the rocker is held down.
- Piston movement stops when the rocker is released.
- After each stop, the direction of piston movement can be changed.
- During use, the display always shows the current volume in the tip. The **Max** line shows the maximum aspiration volume selected during the editing procedure.