



This quick start guide is intended to provide a quick overview of your pipette's key features and to offer basic instructions for getting started. For detailed information, please refer to the latest operating instructions that can be found at www.integra-biosciences.com in different languages.

Intended use

This is a general-purpose laboratory instrument for use in research only. VIAFLO/VOYAGER Electronic Pipettes are used for aspirating and dispensing aqueous liquids in the volume range of 0.5–5000 µl using GRIPTIPS® and GRIPTIPS EF® pipette tips only, see www.integra-biosciences.com.

Safety information

Regardless of the listed safety notes, all locally applicable regulations must be observed.

- 1) This product may only be operated in a secure, protected network with trustworthy clients.
- 2) Use only an INTEGRA battery and charging device.
- 3) Do not expose the battery to heat over 60 °C or mechanical stress.
- 4) Replace battery if the charging intervals are unusually short or if the charging takes much longer than 4 hours.
- 5) Do not use or charge the instrument near flammable material or in an atmosphere with danger of explosion.
- 6) Only use GRIPTIPS® and GRIPTIPS EF® brand pipette tips to ensure the proper function of the device and to comply with the general warranty conditions.
- 7) Servicing work and repairs may only be performed by INTEGRA Biosciences or an authorized after-sales service member.

Battery charge



Charge the battery completely before first use.



The supply voltage must meet the requirements of the mains adapter: 100–240 VAC, 50/60 Hz.

Low battery



Blinking red

Recharging battery



Blinking bars

~ 2.5 h

Fully charged battery



Three solid bars

Getting Started



1. **Battery charge indicator**
2. **Back button**, to navigate backward
3. **Touch wheel**, spin to scroll the cursor
4. **OK button**, to make a selection
5. **Arrow buttons**, for selections and tip spacing (VOYAGER only)
6. **Purge button**, to empty tips
7. **RUN button**, to start operations
8. **Tip Ejector**

Turn on:

Press and release **RUN**.

Turn off:

Press and hold the Back button for 3 seconds.

Language selection

From the Main Menu, use the touch wheel to scroll to the Toolbox and press **OK**. Use the “Language” option to select the desired language.

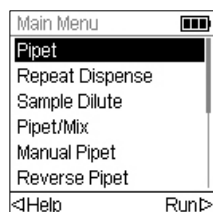
Attaching GRIPTIPS®

Press the pipette into the GRIPTIPS® of the appropriate size until you hear and feel a click indicating that a seal has been achieved. When loading GRIPTIPS® using a multichannel pipette, slowly rock the pipette from one side to the other side to ensure the proper seal is achieved.

Selecting a pipetting mode

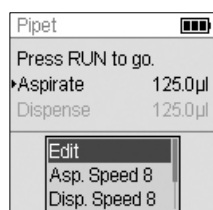
With your electronic pipette, you have the choice of building protocols by selecting from a menu of predefined programming modes, or you can create custom multi-stepped protocols.

Pipetting mode	Description
Pipet	Liquid transfers when aspirate and dispense volumes are equal.
Repeat Dispense	Dispense multiple aliquots of the same volume.
Sample Dilute	Aspirate two liquids divided by an air gap, followed by dispense.
Pipet/Mix	Multiple mixing by aspiration and dispensing of defined volume.
Manual Pipet	Control the aspiration and dispensing up to the set volume.
Reverse Pipet	Liquid transfers of viscous or high vapor pressure liquids.
Variable Dispense	Dispense multiple aliquots of different volumes.
Multi Aspirate	Aspirate multiple aliquots of different volumes.
Sample Dilute/Mix	Aspirate two liquids divided by an air gap, followed by dispense and mix.
Serial Dilution	Aspirate a transfer volume followed by dispense and mix sequences.
Custom	Allows to create and store of up to 40 multi-stepped pipetting protocols.



From the Main Menu, use the touch wheel to scroll to your desired function-based programming mode. Press **OK** to enter the mode and to start defining parameters.

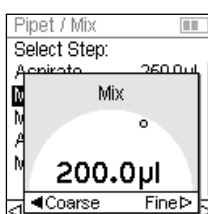
Setting/changing variables



Scroll to Edit and press **OK**.



A list of editable steps is displayed.

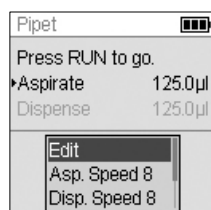


Select a step and press **OK**. Use the touch wheel to set the value and press **OK**. Press **>** to save your settings.

Pipette's toolbox

The Toolbox provides a variety of options, as setting personal preferences like the touch wheel spin sensitivity, calibration, computer connectivity and device information.

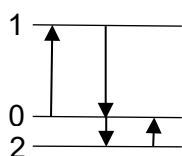
Running a program



Insert the GRIPTIPS® into the liquid to be transferred. Press and release **RUN** to aspirate the volume selected in the first step (marked with a triangle on the Run screen).

Your pipette will prompt you to press **RUN** at each successive step.

Two step blowout



During aspiration, the piston of your electronic pipette moves up (1).

During dispensing, the piston returns to the initial position (0). During the last dispense of a program, it automatically moves further down (2) and blows the remaining liquid from the tip (**Blowout**↓).

When the piston returns to the initial position (0), a small amount of air is aspirated, provided the tip is no longer immersed in the liquid (**Blowin**↑).

Note: Manually delay the blowin by holding **RUN** pressed during the last dispense. Remove the tips from the vessel and release **RUN** to start blowin.

Tip spacing (VOYAGER only)



In each pipetting mode, the available tip spacing positions are displayed at the bottom of the screen. The current position is highlighted.

At any program step press ◀ or ▶ to move the tip position to the next spacing.



To modify the tip spacing positions, go to the “Tip Spacing” menu, accessible from the main menu of the pipette or within every pipetting mode.

Select the positions to be changed (first, middle, last) and press **OK**. Use ◀ and ▶ to move the tips to the desired position, click **OK** and then Save ▶.

Equipment Disposal



Electronic pipettes must not be disposed of with unsorted municipal waste. Do not dispose of the pipettes in a fire.



Electronic pipettes contain a Li-ion battery. Do not modify the battery in any way. Dispose of the pipettes and the batteries separately in accordance with the laws and regulations in your area governing disposal of devices containing Li-ion batteries.

In certain regions and countries, e.g. in EU member states, the distributor is obliged to take back this product free of charge at the end of life. Please contact your local distributor for more details.

Manufacturer and customer service

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Declaration of conformity

INTEGRA Biosciences AG – 7205 Zizers, Switzerland

declares on its own responsibility that the devices

Description	Models
VIAFLO Pipettes	4011, 4012, 4013, 4014, 4015, 4016, 4621, 4622, 4623, 4624, 4626, 4631, 4632, 4633, 4634, 4636, 4641, 4642, 4646, 4011EF, 4012EF, 4016EF, 4621EF, 4622EF, 4626EF, 4631EF, 4632EF, 4636EF, 4641EF, 4642EF, 4646EF
VOYAGER Pipettes	4721, 4722, 4723, 4724, 4726, 4731, 4732, 4736, 4743, 4744, 4763, 4764, 4721EF, 4722EF, 4726EF, 4731EF, 4732EF, 4736EF
Accessories	3214, 3215, 3216, 3217, 3218, 4200, 4210, 4211, 4215, 4222, 4226

comply with:

EU Provisions

2014/30/EU, 2014/35/EU, 2012/19/EU, 2011/65/EU, 1907/2006, 2019/1021, 2019/1782

UK Provisions

S.I. 2016/1101, S.I. 2016/1091, S.I. 2013/3113, S.I. 2012/3032

For detailed, signed CE declaration with regulations of other countries, please refer to the operating instructions.