



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

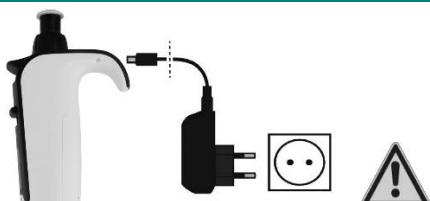
This is a general-purpose laboratory instrument for use in research only. SWITCH pipettes are used for aspirating and dispensing aqueous liquids in the volume range of 0.2–1000 µl using GRIPTIPS® pipette tips only, see www.integra-biosciences.com.

⚠ Safety information

This is a general-purpose laboratory instrument for use in research only. Any use of this instrument in a medical or IVD setting is under the sole responsibility of the user.

- 1) Use only an original INTEGRA LiPo battery (#2205), mains adapter and Flex charging stand.
- 2) Do not expose the battery to heat over 60 °C or mechanical stress.
- 3) Replace battery if the charging intervals are unusually short or if the charging takes much longer than 4 hours.
- 4) Do not use or charge the instrument in an atmosphere with danger of explosion.
- 5) Only use GRIPTIPS® brand pipette tips to ensure the proper function of the device and to comply with the general warranty conditions.

Battery charge



Insert the mains adapter into the USB-port of the pipette (i) or hang the pipette on the Flex charging stand.

Charge the battery completely before first use. BC

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

Device description



- a. **Plunger**, to turn on, pipette and confirm selection
- b. Quick **set ring**, to set volume and to navigate
- c. **Tip ejector**
- d. **Mode switch**, to switch between "Manual" and "Repeat Dispense"
- e. **Display**
- f. **Volume indicator**, color matches GRIPTIP rack insert
- g. **Lower end**, containing piston
- h. **Tip fitting**, to attach GRIPTIPS
- i. Finger hook with **USB-C port**, for charging and firmware updates
- j. **Charging contacts**, to charge on Flex charging stand

Turn on:

Press and release the plunger.

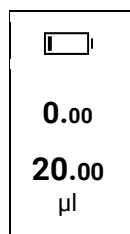
Turn off:

Standby after 5 min of inactivity, automatic turn off after 2 h.

Attaching GRIPTIPS

Press the pipette into the GRIPTIP of the appropriate size until you hear and feel a click indicating a proper connection between tips and pipette.

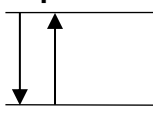
Manual pipetting



Move the mode switch (d) to the upper Manual position. The pipetting speed is controlled by the plunger movement.

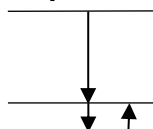
Rotate the set ring (b) until the desired pipetting volume is shown.

Aspirate



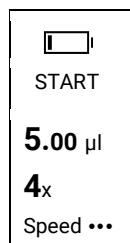
1. With a GRIPTIP attached, push down the plunger (a) to the first stop and hold down.
2. Immerse the GRIPTIP in liquid.
3. Slowly release the plunger and wait shortly until the liquid is aspirated.
4. Remove the GRIPTIP from liquid.

Dispense



1. Push the plunger down to the first stop and wait 1-2 seconds.
2. Push the plunger down to the second stop to expel any residual liquid.
3. Remove the GRIPTIP from the liquid, then release the plunger. Air is aspirated.

Pipetting in Repeat Dispense mode



Move the mode switch (d) to the lower Repeat Dispense position. In this electronic mode, you can dispense the aspirated volume of liquid in multiple aliquots of the same volume.

Set the dispensing volume, the number of aliquots (the maximum number is displayed) and the pipetting speed (1 dot = slow to 3 dots = fast) by rotating the set ring (b) and confirming by pressing the plunger. You can also set additional parameters in the settings menu.

The aspirated volume is calculated automatically and the pipette aspirates additional pre- and post-dispense volumes which exceed the nominal volume to be pipetted.

Pipetting:

1. Aspirate the liquid by pressing and releasing the plunger as described above. A pre-dispense is performed automatically (improves accuracy and precision).
2. Press to the first stop and release the plunger for every dispense. The number of remaining dispenses is shown on the display. (To abort the running repeat dispenses, push down the plunger to the second stop. The liquid is ejected.)
3. When the post-dispense is reached, the pipette beeps. Push the plunger down to the second stop to blowout the post-dispense (not part of the sample).
4. Remove the GRIPTIP from the vessel and release the plunger.

Settings menu

The settings menu provides a variety of options and device information (English only). It is not required in the daily work routine. With the mode switch in the upper Manual position, the setting menu is located between the minimum and the maximum volume. Use the set ring to highlight a function.

Push the plunger to access and confirm settings.

Cleaning and decontamination

- The SWITCH pipettes can be cleaned with a cloth, moistened with soapy water or with a 70% dilution of isopropyl or ethanol. Never use acetone or other solvents.
- The device may be decontaminated with H₂O₂ gas (maximal concentration 35%) for 60 minutes.

Equipment disposal



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



INTEGRA SWITCH pipettes contain a LiPo 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 LiPo 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

INTEGRA Biosciences AG Tardisstrasse 201 7205 Zizers, Switzerland	INTEGRA Biosciences Corp. 22 Friars Drive Hudson, NH 03051, USA	Find your local representative: www.integra-biosciences.com info@integra-biosciences.com
Direct sales country	Telephone	Mail
Australia	+617 3497 5800	info-au@integra-biosciences.com
Benelux	+31 630 609 866	info-benelux@integra-biosciences.com
China	+86 21 5844 7203	info-cn@integra-biosciences.com
Denmark, Sweden	+45 3173 5373	info-nordic@integra-biosciences.com
France	+33 1 34 30 76 76	info-fr@integra-biosciences.com
Germany, Austria	+49 6409 81999 15	info-de@integra-biosciences.com
Japan	+81 3 5962 4936	info-jp@integra-biosciences.com
Switzerland	+41 81 286 95 30	info-ch@integra-biosciences.com
United Kingdom	+44 1635 797000	info-uk@integra-biosciences.com
United States, Canada	+1 603 578 5800	info-us@integra-biosciences.com



Declaration of conformity

INTEGRA Biosciences AG – 7205 Zizers, Switzerland

declares on its own responsibility that the devices

Description

Models

SWITCH Pipettes

2011, 2012, 2013, 2015, 2016, 2018

Accessories

1200, 1201, 1202, 1203, 2205, 2215, 2216, 2217, 2218

comply with:

EU Provisions

2014/35/EU, 2014/30/EU, 2012/19/EC, 2011/65/EC, 2023/1542/EC, 1907/2006, 2019/1782, 1103/2010

UK Provisions

S.I. 2016/1101, S.I. 2016/1091, S.I. 2008/2164, S.I. 2013/3113, S.I. 2012/3032

Zizers, June 23, 2025

Urs Hartmann
CEO

Daniela Gross
Head of Corporate Quality

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