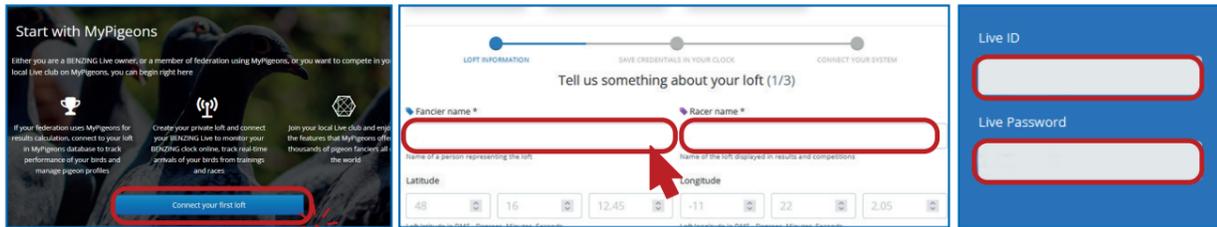


Get your BENZING Live ID on MyPigeons.live

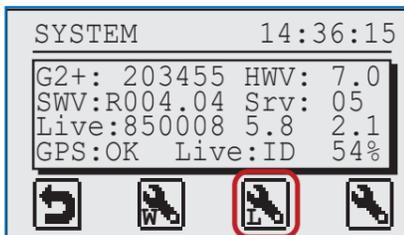


Connect new loft:
Click on the blue button and follow the next steps.

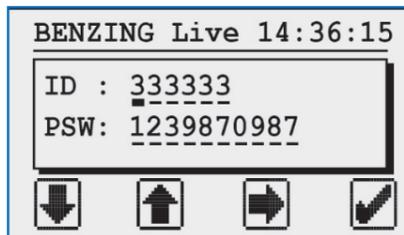
Create private fancier:
Create your private fancier profile by entering your name and clicking Next.

Enter LIVE ID in clock:
Now you need to enter the Live ID and password you see here into your clock.

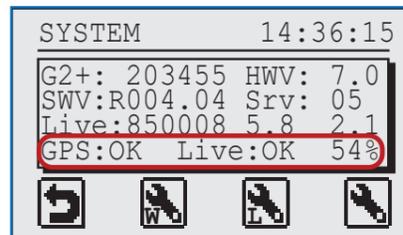
How to enter the Live ID into BENZING Express G2+



System Menu:
Hold the red and green buttons for 3 seconds, then scroll to the system menu.

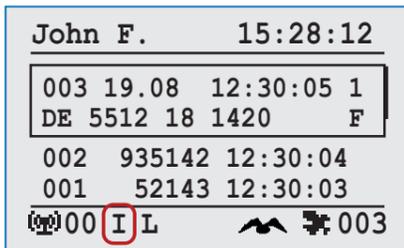


Enter Live ID in clock:
Please enter the Live ID you created on www.mypigeons.live and confirm with the green button. Use the up/down buttons to enter numbers.



BENZING Live active:
Press the right button to confirm and the BENZING Live is shown on this screen.

Cloud Clocking



Please check on the main screen if the cloud clocking function is available on your device. The cloud clocking function requires the latest firmware version of the BENZING Live Smart Hub and the BENZING Express G2+ is installed.

The BENZING Live Smart Hub is a network node that is also equipped with its own internal memory. If the BENZING clock is disconnected from the BENZING Live Smart Hub, the hub will switch to cloud clocking and start registering pigeon arrivals. This takes about 5 seconds to activate and will **store the arrivals up to 24 hours from when the BENZING clock was disconnected.**

BENZING Live Smart Hub LED lights status

- The LED blinks red during initialization and will stop once the connection is established. This may take a few minutes.
- The green LED flashes while data is being transmitted.

BENZING Smart Loft Sensor TH1 - Additional Extension



The BENZING Smart Loft Sensor TH1 is a compact, battery-operated Bluetooth device designed to monitor temperature and humidity in the pigeon loft. It records values ranging from -25°C to +60°C, which can be viewed on the BENZING Smart Loft Dashboard. You can use up to 10 sensors simultaneously with the BENZING Live Smart Hub 5.



BENZING

BENZING EXPRESS G2

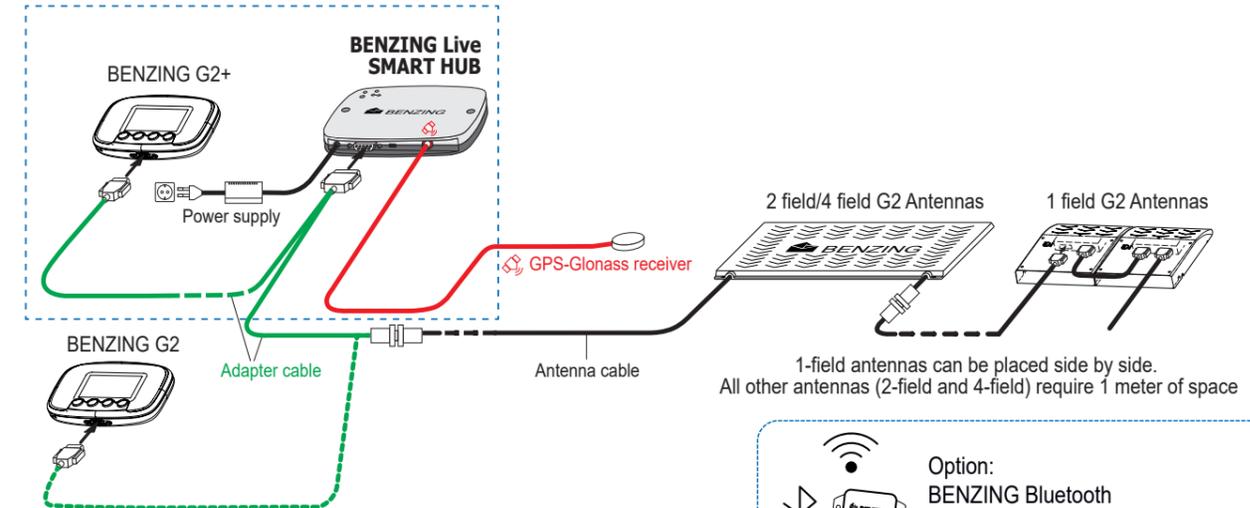
Quick Start Guide BENZING Express G2/G2+

Version 1.5 – 05/2025
English



www.benzing.cc

Set-up of the BENZING Express G2/G2+ at the Loft



How to install the BENZING G2 system

- Connect the BENZING G2 Antennas
 - For the 1-field G2 Antennas use the 25 cm BENZING G2 fancier cables
 - For the 4-field G2 Antennas use the already attached connection cables of the antennas
- Connect the BENZING Express G2/G2+ with the connection cable to the first BENZING G2 Antenna
- Plug-in the power supply cable at the 9 pin plug at the BENZING Express G2/G2+
- BENZING Express G2+:** Optionally plug in the 9-pin connector of the adapter cable into the BENZING Live Smart Hub
- Plug-in the power supply unit to the main power supply
- As a further extension you could use the BENZING Bluetooth Smart Loft sensor for the temperature and humidity monitoring

Option:
BENZING Bluetooth Smart Loft Sensor TH1 for temperature/humidity monitoring

Note: We recommend to use always the latest available software version.

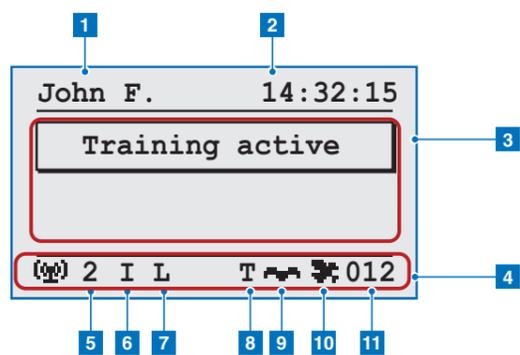
How to install the BENZING G2 Antennas

1-Field G2 antennas can be mounted directly next to each other or with PLB USC cables in between (up to 50 m/160 feet).
2-Field G2 Antennas/4-Field G2 Antennas must be mounted with distance to each other (min. 1 meter).
See the instruction sheet included with the BENZING G2 Antennas for more information.
Up to 5 new 4 field or 1 field G2 Antennas can be directly connected to a BENZING Express G2/G2+ clock.

How to activate your BENZING Express G2+?

Your BENZING Express G2 needs an upgrade to G2+. Please contact your local BENZING partner, he will assist you. After the upgrade, you'll enjoy all BENZING Live benefits: MyPigeons access, live arrivals via the BENZING Live App, Smart Loft Sensor for humidity and temperature and ready for Evaluation@Home.

Main Menu

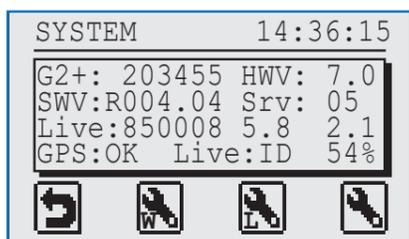


- 1 Fancier name: will be shown after first programming with the club software
- 2 Current time: ensure it is correct, as it is set at the club or in the clock's additional settings
- 3 Information area: if a race or training is active the arrived pigeons will be shown here in a list. You can scroll through this list with the two middle buttons
- 4 Info line
- 5 Connected antennas: the total number of connected antennas is displayed
- 6 Information for Cloud Clocking
- 7 BENZING Live connection
- 8 Training active
- 9 Race active
- 10 Arrived pigeons
- 11 Number of clocked pigeons

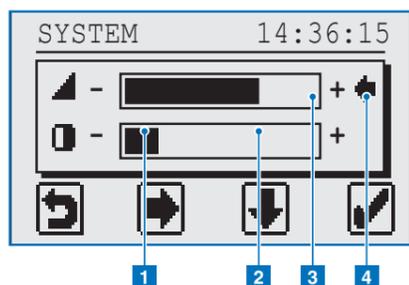
Once connected to the mains power, the display will show the BENZING logo along with the installed software version. The clock will then perform a system check of all connected devices before transitioning to the main menu.

Note: The EFA antennas' status is shown via the light on the BENZING Antenna Controller.

System

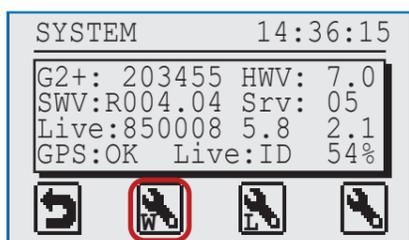


System Screen:
Here you can display Information about the BENZING Express G2/ G2+.

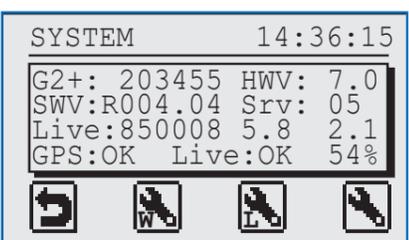


- 1 Indicator
- 2 Display contrast bar
- 3 Beeper volume bar
- 4 Cursor

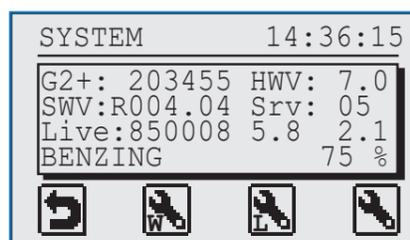
Wi-Fi Settings



Connect the Wi-Fi:
Press the "W" button to search for WiFi networks, press the arrows to select your network, and press the green button to confirm and proceed.



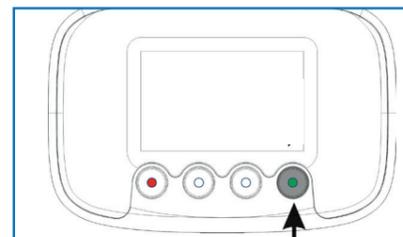
Wi-Fi Settings:
Connect the BENZING Express G2+ to the Smart Hub 5, power on both devices, and follow the menu steps (System > Wi-Fi) to select your



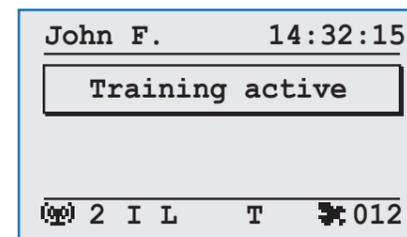
network and enter the password. Once connected, the Smart Hub 5 will use Wi-Fi by default and automatically switch to Cellular if needed.

Note:
The Wi-Fi settings are available only on BENZING Express G2+.

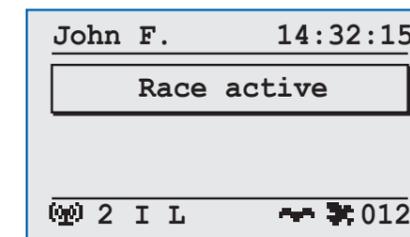
Training and Races



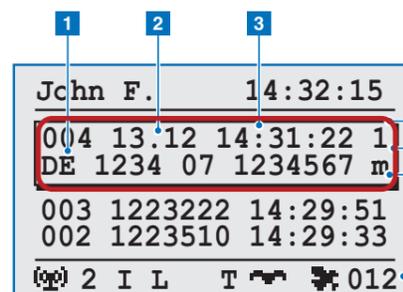
Starting a training flight:
Press the green button for 3 seconds.



In the display the message „Training Active“ appears and in the info line „T“ is shown.



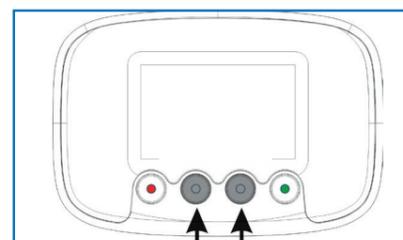
The display shows the message „Race Active“ along with a pigeon icon.



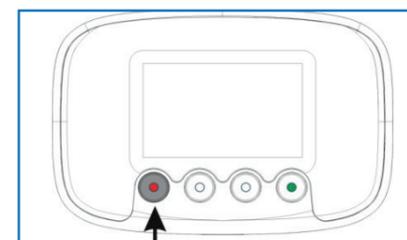
Display of arrival information:
When a pigeon is scanned by an antenna, the arrival time is displayed in the information field at the top of the screen.

- 1 List index
- 2 Arrival date
- 3 Arrival time
- 4 Basket information
- 5 Information field
- 6 Pigeon details
- 7 Arrival list

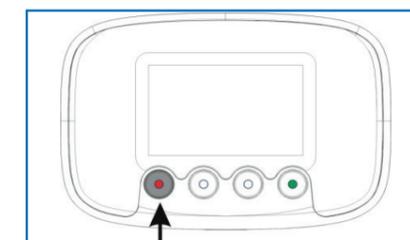
Note: If a race is in progress, the message ‚Race Active‘ will be displayed along with a pigeon icon.



Arrival list:
With the middle two buttons you can scroll through the arrival list. When a new pigeon arrives the list will be automatically scrolled back and the new pigeon will be displayed in the information field.



Show Pigeons:
When pressing the red button once the list scrolls back to the last arrived pigeon.

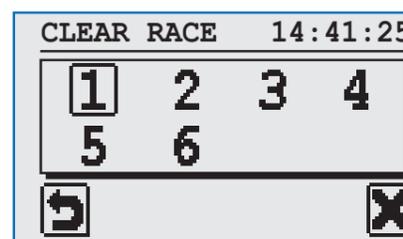


Stop a training:
Press the red button for at least 3 seconds in order to end a running training flight.

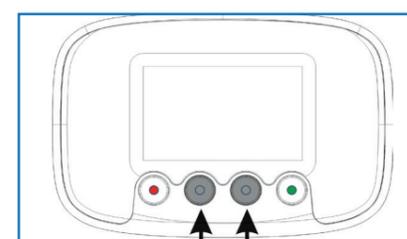
In the information field the last character of the first line shows if the pigeon is basketed for a training or race.

T = Pigeon is basketed for the training
1-7 = Pigeon is basketed for the race with the indicated number

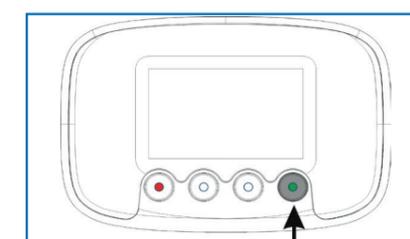
All arrived pigeons are shown in the arrival list below the information field of the last arrived pigeon.



Clear race:
After a race is evaluated, it must be cleared to free the pigeons for the next race. **Note:** If no race is active, a message appears and the menu returns to additional settings.

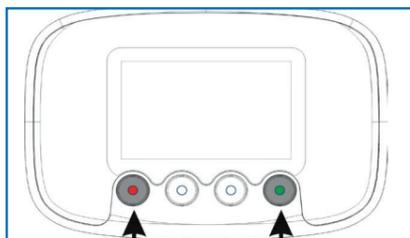


Select the race you wish to clear — it will be highlighted with a frame around the race number. To clear a race, hold both red and green buttons for 3 seconds, then select option 6: „Clear Race.“

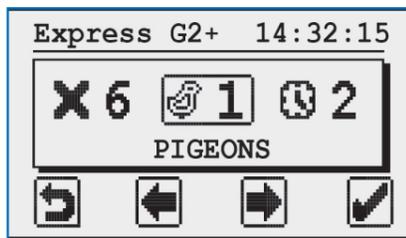


Press the green button „X“ for 3 seconds to clear the race.
Note: A race can only be cleared after the race has been evaluated.

Settings



How to change other settings:
In order to access the additional settings press the red and green button simultaneously for 3 seconds.



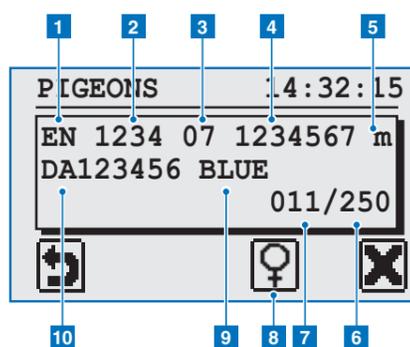
Additional settings:
In the additional settings several menu items are selectable. These menu items are shown graphically in the menu bar.

The actual selected menu item is always shown in the middle of the screen and marked with a frame.

Press the green button (hook) to open the selected menu item. It also serves as the 'OK' key to confirm inputs or selections.

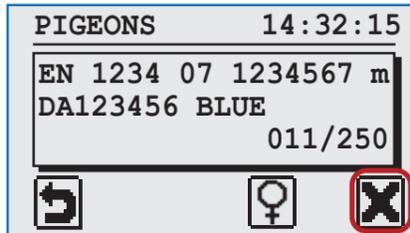
Press the red button (return arrow) to exit additional settings and return to the main menu. It is generally used to cancel inputs or selections and to leave a menu without saving changes.

Pigeons



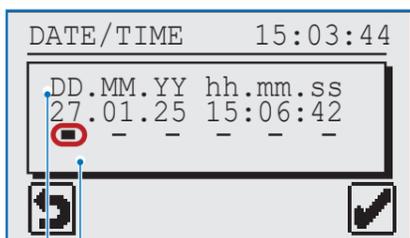
The pigeons, which are coupled in the BENZING Express G2/G2+, are shown. Pigeons are coupled in a club using the club software.

- 1 Country
- 2 Club
- 3 Year
- 4 Pigeon number
- 5 Gender
- 6 Total number of pigeons
- 7 Position of current pigeons
- 8 Sex of the pigeon (not available in every country)
- 9 Colour
- 10 Chip ring number

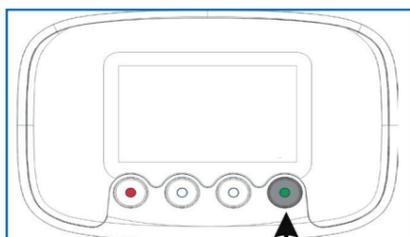


Delete the Pigeon:
If no race is active the currently displayed pigeon can be deleted. Select the pigeon and confirm by pressing the green button for 3 seconds.

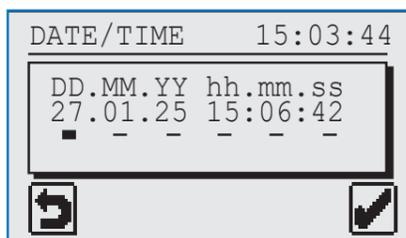
Date/Time



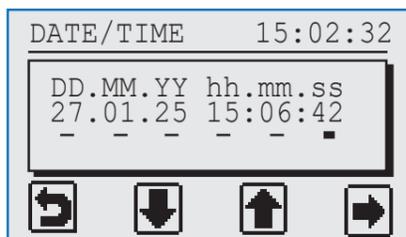
- 1 DD = day, MM = month YY = year, hh = hour, mm = min, ss = sec
- 2 Cursor Position



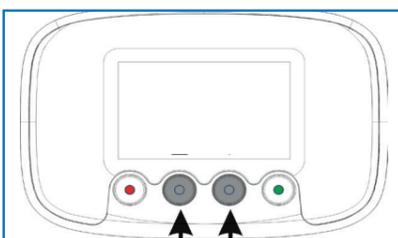
The cursor can be moved one place to the right by pressing the green button.



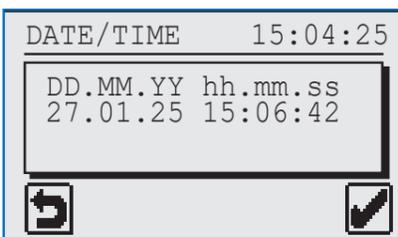
Set date and time:
The current date and time appear on the display. The input cursor starts at the first position, highlighted by a thicker underline.



Check if everything is correct and press green button.

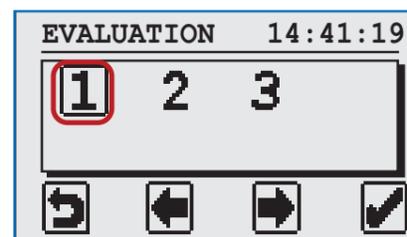


Adjusting date and time:
The number at the cursor position can be decrease/increase with the middle buttons.

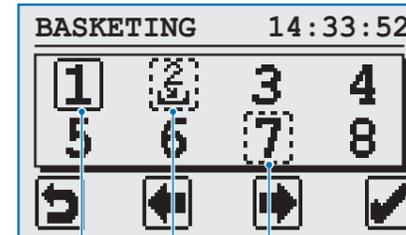
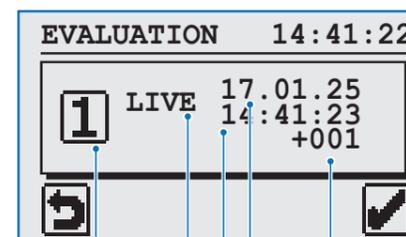


This screen appears when setup is complete. Press the green button to confirm.

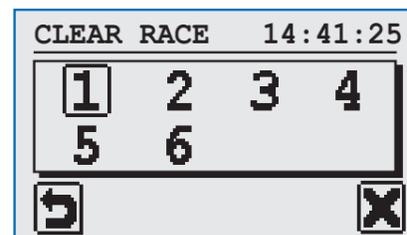
Evaluation@Home for BENZING Express G2+



Selected Race:
After a race, the evaluation list can be printed to stop the race. After the race ends, hold the Evaluation@Loft card over a connected antenna. Choose the race you want to evaluate and press the green button to confirm. To finalize the Evaluation@Home, hold the green button for 3 seconds.



- 1 Selected race number
- 2 LIVE Status with BENZING Live Smart Hub connection
- 3 Time of the (Live) ClubSystem
- 4 Date of the (Live) ClubSystem
- 5 Time deviation between Clock and GPS Time
- 6 Selected race (=cursor)
- 7 Race with basketed pigeons
- 8 Evaluated race



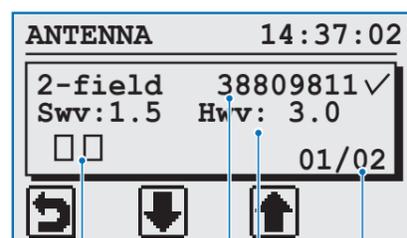
Clear a Race:
To clear an evaluated race, select it and hold the green button for 3 seconds.

Note:

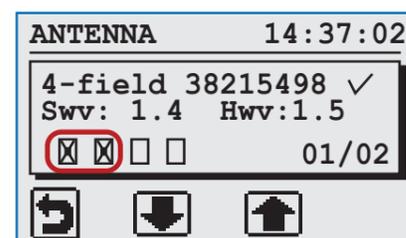
- CAN:** Evaluation@Home is not supported
- RCL:** Evaluation@Home is possible (UTC offset must be set to 0h)
- GPS:** Evaluation@Home is possible (with correct regional UTC offset, even if RCL is active)

Evaluation: Ends the race; no more pigeons can be clocked.
Temporary Evaluation: Race remains open; more pigeons can still be clocked.

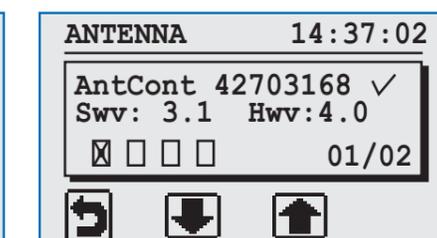
G2 Antennas | EFA Antennas and Printing



- 1 Status connected
- Antenna test ok
- 2 Serial number of G2 antenna
- 3 Software/Hardware version
- 4 Currently shows the number of connected antennas



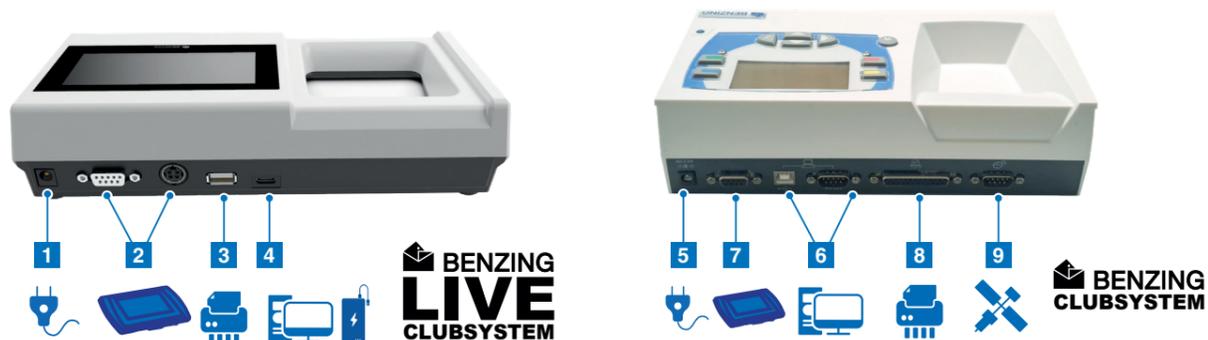
Display antennas:
If a field is tested and working, it shows an X. No X means it hasn't been tested or isn't working.



Antenna controller and EFA antennas:
On the left, connected EFA antennas are shown as circles - one per antenna. Fewer than four connections show fewer circles. The last tested antenna is marked with an X and shows OK if working.

On the right, the total number of connected antennas is displayed.
Note: Four EFA antennas on the left count as one antenna on the right.

Connection of the BENZING Express G2/G2+ at the club



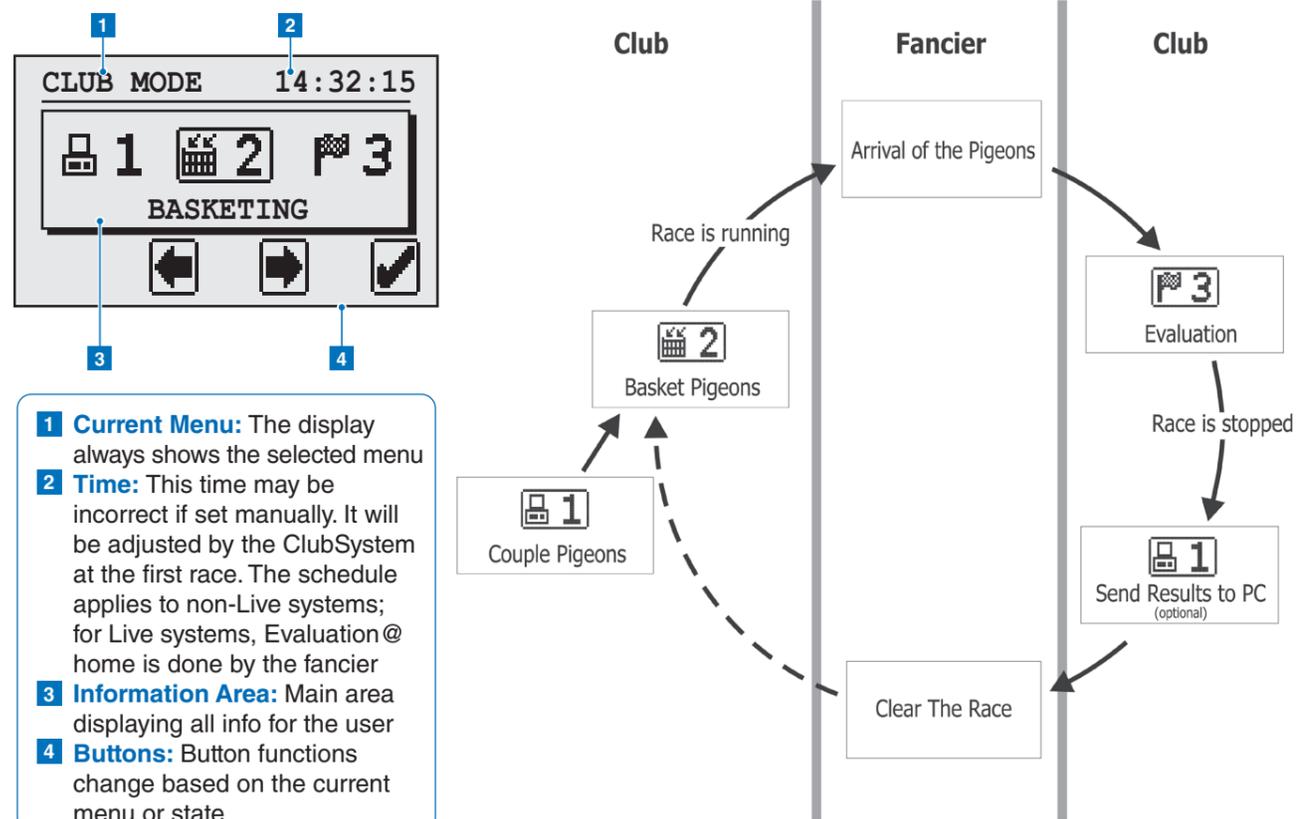
- 1 Connection for the BENZING power supply
- 2 DB9 + PMDIN plug for connecting the BENZING club cable with BENZING clocks
- 3 USB-A connection to connect a USB printer (PCL 6)
- 4 USB-C connection to connect with a PC (PrinterManager or PideXX) or powerbank with power delivery min 18W/9V
- 5 Plug for the 12 V BENZING power supplies
- 6 RS 485 socket to connect the BENZING clocks (BENZING M3/M2, M1, Express G2)
- 7 USB interface for PC connection & RS 232 interface (COM port) for PC connection
- 8 Connection for standard parallel printers
- 9 Plug to connect the GPS

How to connect the BENZING G2/G2+ with the BENZING Live ClubSystem/BENZING ClubSystem

- a Plug the power supply unit into the BENZING Live ClubSystem
- b Connect the power supply unit to a mains power outlet
- c Connect the BENZING Express G2/G2+ to the BENZING Live ClubSystem using the club cable

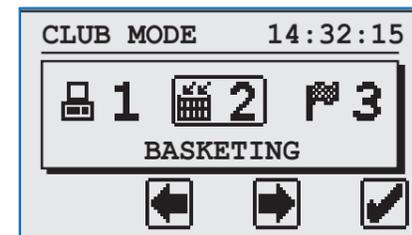
Start Up and Pigeon Race Overview

When connected to mains, the BENZING Express G2/G2+ displays the BENZING logo and software version.
If a BENZING Live ClubSystem/BENZING ClubSystem is connected, it switches to club mode and displays the main menu.

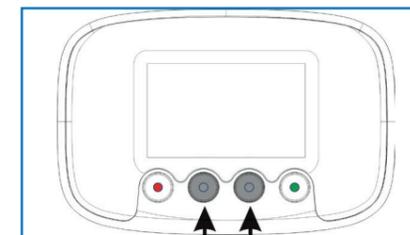


- 1 **Current Menu:** The display always shows the selected menu
- 2 **Time:** This time may be incorrect if set manually. It will be adjusted by the ClubSystem at the first race. The schedule applies to non-Live systems; for Live systems, Evaluation@ home is done by the fancier
- 3 **Information Area:** Main area displaying all info for the user
- 4 **Buttons:** Button functions change based on the current menu or state

Main Menu



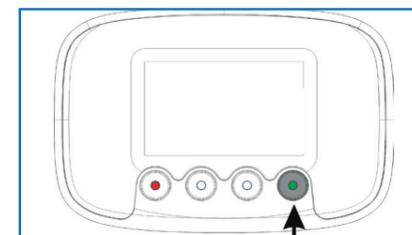
The main menu offers several selectable items, shown graphically in the menu bar.



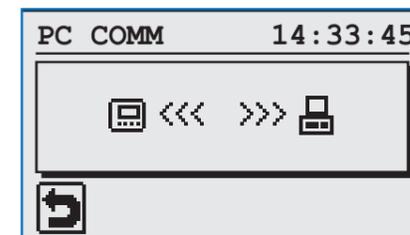
The actual selected menu item is always shown in the middle of the screen and marked with a frame.

- ✓ Pressing the green button opens the selected menu and confirms a selection
- ↶ The red button cancels input or selection and exits without saving

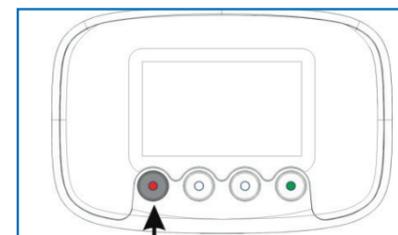
PC Communication



Communication with the PC:
Pressing the green button sets the BENZING Express G2/G2+ to PC mode.



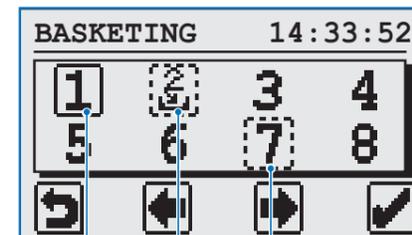
The club software can now be used with the BENZING Express G2/G2+ to pair pigeons or send race results to the PC.



Stop the PC communication:
The red button stops the PC communication mode.

Basketing with the new BENZING Live ClubSystem and previous BENZING ClubSystem (CAN)

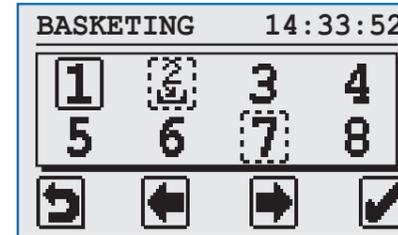
Note:
All pigeons for the race must be basketed at the club first. Selecting this menu displays instructions to read the authorization card.



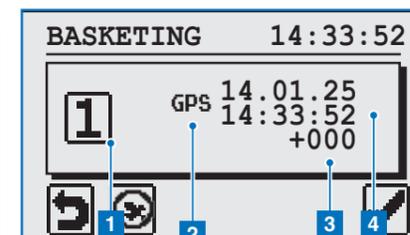
- 1 **Selected race (=cursor):** The selected race is shown with a full rectangle around its number
- 2 **Race with basketed pigeons:** A dotted rectangle means pigeons are basketed or the race is stopped and not yet cleared.
- 3 **Evaluated race:** To clear a race, select it and hold the green button for 5 seconds.



Display races:
Hold the authorization card over the BENZING ClubSystem antenna. After successful authorization, the race numbers will appear on the display.



Basket a pigeon:
To basket a pigeon to a race select the race with the middle two cursor buttons. Confirm the selection with the green button.



The display shows the date and time from the previous BENZING ClubSystem. To basket a pigeon, select the race with the middle cursor buttons and confirm with the green button.

- 1 Selected race number
- 2 GPS as time source
- 3 Time deviation shows the difference of the BENZING Express G2/G2+ time to the read club time
- 4 Date and Time of the BENZING (Live) ClubSystem