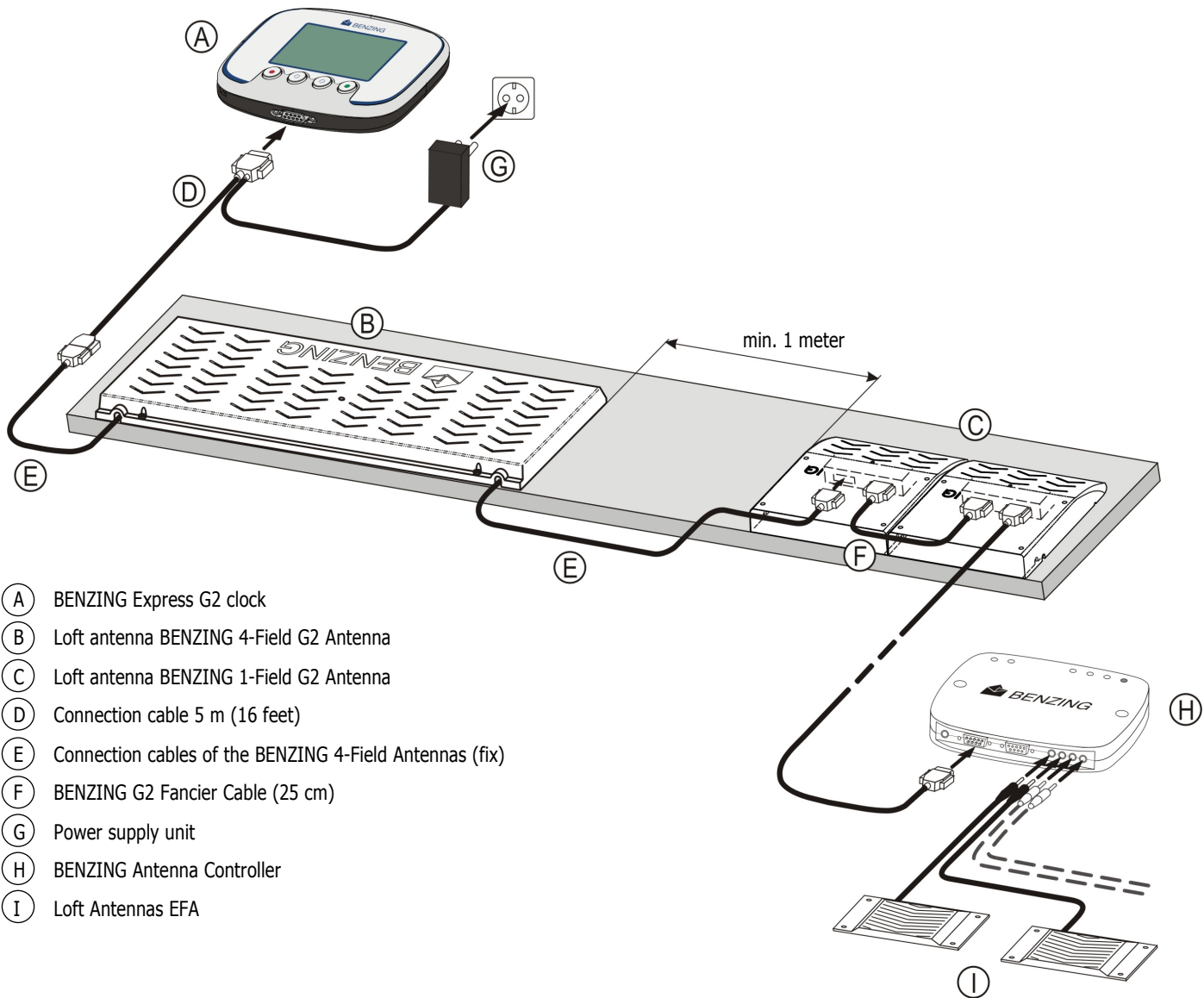


BENZING Express G2

Easy Manual

Step 1 Easy set-up of the BENZING Express G2 at the Loft

1. Connect the BENZING G2 Antennas together.
 - For the 1-Field G2 Antennas (C) use the 25 cm BENZING G2 Fancier Cables (F).
 - For the 4-Field G2 Antennas (B) use the already attached connection cables (E) of the antennas.
2. Connect the BENZING Express G2 (A) with the connection cable (D) to the first BENZING G2 Antenna.
3. Plug-in the power supply cable at the Sub-D-9 plug at the BENZING Express G2 (D).
4. Plug-in the power supply unit (G) to mains power.



- (A) BENZING Express G2 clock
- (B) Loft antenna BENZING 4-Field G2 Antenna
- (C) Loft antenna BENZING 1-Field G2 Antenna
- (D) Connection cable 5 m (16 feet)
- (E) Connection cables of the BENZING 4-Field Antennas (fix)
- (F) BENZING G2 Fancier Cable (25 cm)
- (G) Power supply unit
- (H) BENZING Antenna Controller
- (I) Loft Antennas EFA

BENZING G2 Antennas:

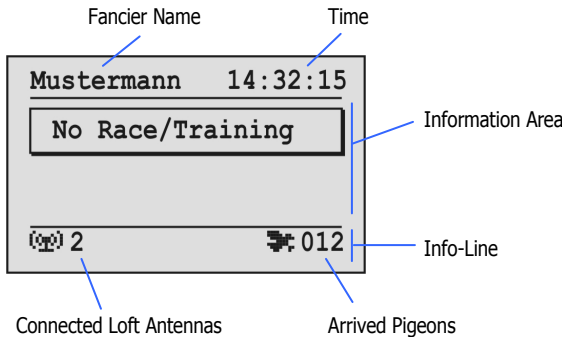
The BENZING 1-Field G2 Antennas can be mounted directly next to each other (as shown in the figure) or with PLB USC cables in between (up to 50 m / 160 feet).
The BENZING 4-Field G2 Antennas must be mounted with distance to each other (min. 1 meter).
See the instruction sheet included with the BENZING G2 Antennas for more information.
Up to 5 G2 Antennas can be connected.

Older Fancier Systems:

Older fancier antennas EFA can be used with the BENZING Express G2 too. In this case the BENZING Antenna Controller is used, like shown in the figure above. See the instruction sheet of the BENZING Antenna Controller for more information.

Step 2 Operation and Main Menu

After connection to mains the display will show the BENZING-Logo with the installed software version. Then the clock checks all connected devices before switching into the main menu:



Fancier Name:

Here the fancier name will be shown (after first programming with the club software).

Time:

The running time is shown here. Pay attention that this time is always correct. The time is set at the Club or in the additional settings of the clock (see backside of the page).

Information Area:

This is the main area of the display. 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 (See Step 3)

Connected Loft Antennas:

Here the total number of connected loft antennas is shown. The antennas will automatically be recognized when the BENZING Express G2 is connected to mains.

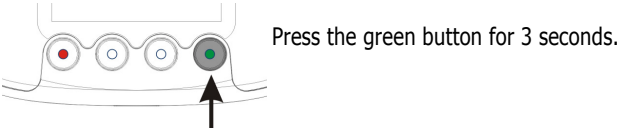
Note: When using the EFA antennas with the BENZING Antenna Controller a status light on Antenna Controller shows the operation of the antennas.

Arrived Pigeons:

In case of an active race or training the total number of arrived pigeons will be shown here.

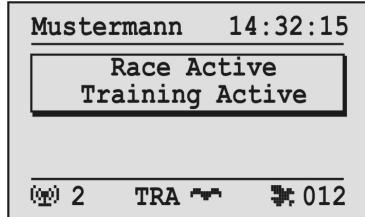
Step 3 Training and Race

Starting a Training Flight



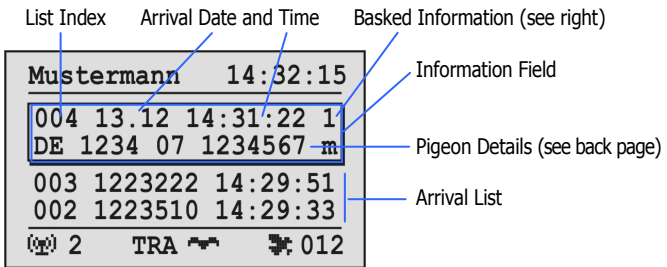
In the display the message "Training Active" appears and in the Info-Line "TRA" is shown.

Note: If a race is running the message "Race Active" and a pigeon symbol (P) is shown too.



Display of the Arrival Information in Training or Race:

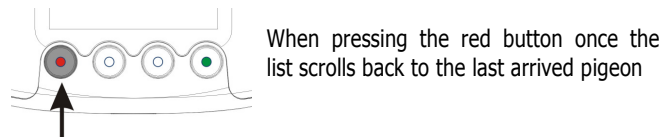
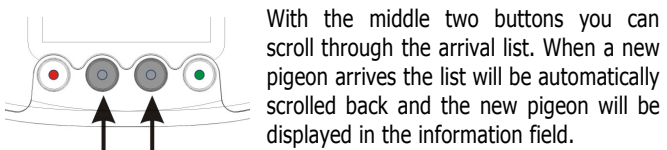
The moment a pigeon gets scanned of an antenna the arrival time is shown in the information field on the top of the display.



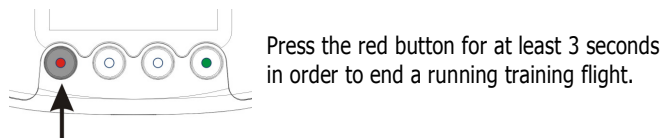
In the information field the last character of the first line shows if the pigeon is basketed for a training or race.

"T" = Pigeon is basketed for the training flight
"1".."8" = Pigeon is basketed for the race with the indicated number.

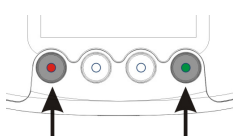
All arrived pigeons are shown in the arrival list below the information field of the last arrived pigeon.



Stopping a Training

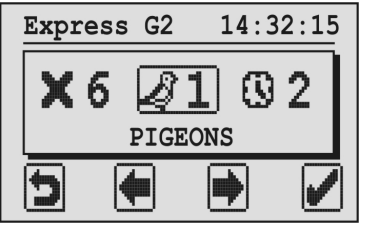


The additional settings described on this page are not necessarily required for operation of the BENZING Express G2. However you can change certain settings in this menu.

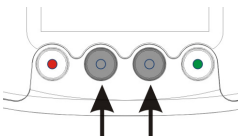


In order to access the additional settings press the red and green button simultaneously for 3 seconds.

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




With the middle buttons you can scroll through the menu bar.



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


☒

When you press the green button (hook) the selected menu item is opened. Generally the hook is used as "OK" key to confirm an input or a selection.



With the red button (return arrow) the additional settings are closed and the main menu is shown again. Generally the return arrow is used to cancel an input or selection and to leave a function or menu without saving any input made.

1. PIGEONS



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

Country	Club	Year	Pigeon number	Gender
EN	1234	07	1234567	m
CB	123456			BLUE


011/250

Elec. ring number Colour Total number of pigeons Position of current pigeon

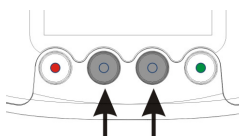
☒

If no race is active the currently displayed pigeon can be deleted by pressing this button for 3 seconds.

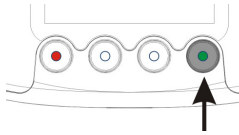
2. DATE/TIME



The current set date and time is shown on the display. The input cursor is set to the first place and that place is marked with a thicker underline.

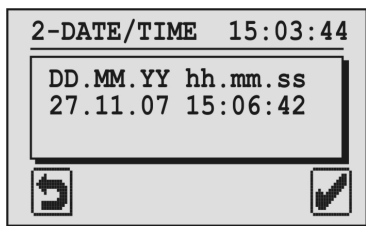


The number at the cursor position can be decrease/increase with the middle buttons.

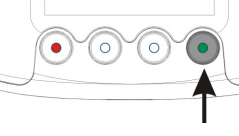


The cursor can be moved one place to the right by pressing the green button.

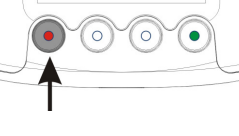
After the cursor reached the last position (seconds) and the right button (arrow right) is pressed again the display changes to the following.




Now the changed date and time can be saved with the green button.



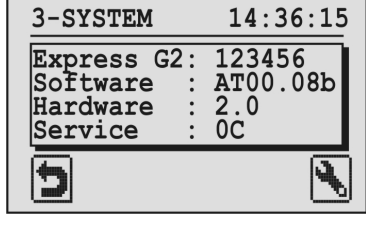
If the date and time shall not be changed the red button can be pressed at any time.



3. SYSTEM

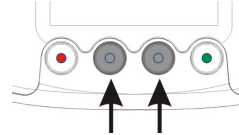


Here you can display Information about the BENZING Express G2.



With the right button (wrench icon) it is possible to adjust the beeper volume and the display contrast.


3-SYSTEM 14:36:15



First use the "arrow down/up" button to move the cursor (arrow symbol) to the volume or contrast bar. With the "arrow right" button the volume or contrast can be increased step-by-step. If the indicator was at the max. position to the right it will start again from the left side.

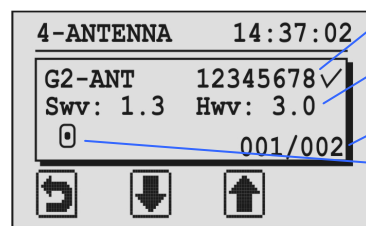
Confirm the settings with the green button or abort the changes with the red button.

4. ANTENNA



In this menu an overview of the connected loft antennas is shown. The display depends on the type of connected antennas:

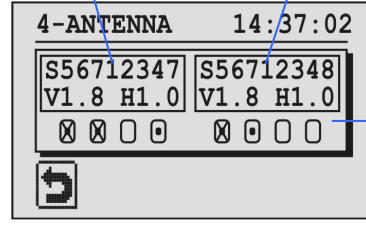
BENZING G2 Antennas:



Serial number of G2 antenna
Soft- and hardware version of G2 antenna
Currently displayed and total number of G2
BENZING G2 antenna:
○ = Antenna connected
⊗ = Antenna test OK

The circle in the lower left corner symbolises the currently displayed BENZING G2 antenna (which is indicated in the lower right corner). If the antenna is connected, a dot is shown in the circle.

Antenna Controller with EFA loft antennas:




Serial number, software and hardware version of Antenna Controller 1
Serial number, software and hardware version of Antenna Controller 2
EFA loft antennas:
○ = Antenna connected
⊗ = Antenna test OK

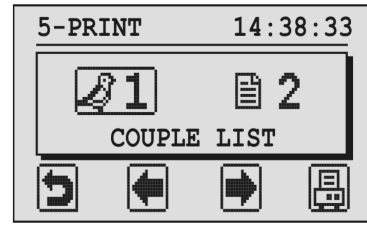
For the EFA antennas all four possible antennas are shown for each Antenna Controller. Connected antennas are marked with a dot in the corresponding circle.

To perform a ring or antenna test hold a BENZING Pro chip-ring over the loft antenna(s). If the ring was correctly recognized you hear a beep sound and the corresponding antenna is marked with an "X" sign.

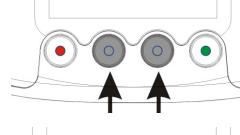
5. PRINT



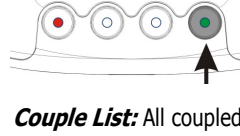
The coupled pigeons and the arrived pigeons can be printed.



In order to print the lists either a printer is connected to the BENZING Express G2, by using a BENZING clubPoint or a CPN, or the BENZING Express G2 is connected to a PC with the printing software installed.




With the middle buttons (arrows) you can select the list you want to print.



With the green button you can print the selected list.

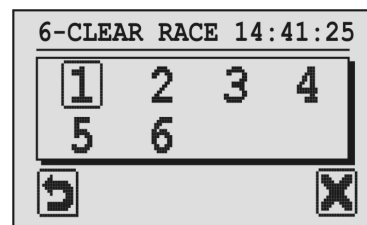
Couple List: All coupled pigeons are printed.
Arrival List: All pigeons, which arrived in your loft, are printed.

6. CLEAR RACE

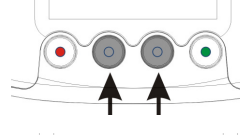


After a pigeon race has been finished and evaluated at the club, the race must be cleared. Only after that the pigeons, which were assigned to that race, will be free again for basketing to another race.

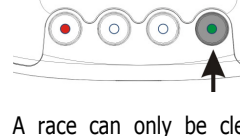
Note: If no race is active a corresponding message is shown when selecting this menu item and the additional settings menu is shown again.



Up to 8 races can be managed by the BENZING Express G2. All evaluated races are listed here.



Select the race which you want to clear. The selected race is marked with a frame around the race number.



Press the green button "X" to clear the race.

A race can only be cleared after the race has been stopped and evaluated at the club.

BENZING Express G2

Club Mode



Connection of the BENZING Express G2 at the Club

1. Connect the BENZING Express G2 (A) with the connection cable (C) to the BENZING ClubSystem (B).

2. Plug-in the power supply unit (D) to the BENZING ClubSystem (B).

3. Plug-in the power supply unit (D) to mains power.

(A) BENZING Express G2 clock

(B) BENZING ClubSystem

(C) Club cable 1.5m (4.5 feet)

(D) Power supply unit

(E) PC with club software

(F) Printer

(G) Radio Clock

Start-Up

After connection to mains the display of the BENZING Express G2 shows the BENZING-Logo with the installed software version. With the connected BENZING ClubSystem the BENZING Express G2 switches into the club mode and shows the main menu:

Current Menu: The display always shows the selected menu.

Time: The running time is shown here. Pay attention that this time is always correct.

Information Area: This is the main area of the display where all information for the user are shown.

Buttons: The functions of the 4 BENZING Express G2 buttons change depending on the current state or menu.

Sequence of Action for a Pigeon Race

Main Menu

In the main menu several menu items are selectable. These menu items are shown graphically in the menu bar.

With the middle buttons you can scroll through the menu bar.

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

When you press the green button (hook) the selected menu item is opened. Generally the hook is used as "OK" key to confirm an input or a selection.

The red button (return arrow) is in general used to cancel an input or selection and to leave a function or menu without saving any input made.

2. BASKETING

All pigeons, which shall start in a race, must first be basketed at the club for this race. When this menu item is selected, the display shows the information to read the authorisation card.

Hold the authorisation card over the BENZING ClubSystem antenna. After correct authorisation the race numbers are shown on the display.

The selected race is marked with a full rectangle around the race number or when selecting a dotted race (see description below) only two lines of the rectangle are shown with full lines.

A dotted rectangle with a basketing symbol (like race "2" in the picture above) means that some pigeons are already basketed to this race.

A dotted rectangle (like race "7") means that the race has been stopped and evaluated but was not yet cleared. To clear an evaluated race, choose it and press the green button ("X" symbol) for 3 seconds.

1. PC COMM

With the first menu a communication to the PC can be established. When you press the green button (hook) the BENZING Express G2 is set into PC communication mode.

Now the club software, which runs on the connected PC, can be used to couple pigeons with the BENZING Express G2 or to send the race results from the BENZING Express G2 to the PC.

With the red button the PC communication mode can be stopped.

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

On the display the date and time of the connected BENZING ClubSystem or a radio clock is shown.

Selected Race

Date and Time of the BENZING ClubSystem or radio clock

Time Deviation

This shows the difference of the BENZING Express G2 time to the read club time.

"CRM": Time of the connected BENZING ClubSystem

"GPS": Time synchronised by GPS or radio clock

If there is no race running at the time, the time of the BENZING Express G2 is automatically synchronised with the shown club time. Else the time and deviation is only shown for information.

Confirm with the green button.

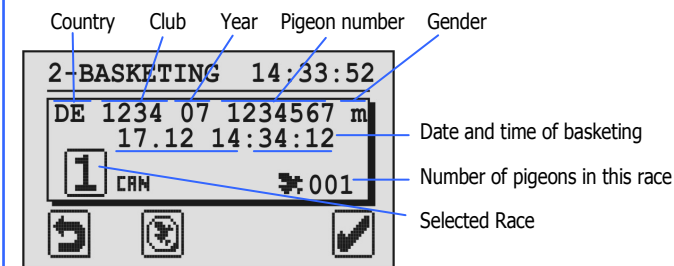
DK_BENZING-G2_Club-EN_12.doc • Valid as of November 12th, 2009 • Part.No.: 671582
GANTNER Pigeon Systems GmbH • www.benzing.cc

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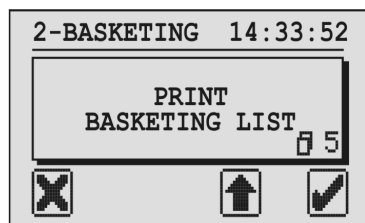
BENZING Express G2

Club Mode

Now hold the chip-rings for the pigeons, which shall be basketed, over the BENZING ClubSystem antenna one after the other. The pigeons are basketed to the race and for each pigeon the pigeon information is shown.



Pressing this button for 3 seconds stops the basketing for the selected race and starts the race. No more pigeons can be basketed after that. The following display appears.

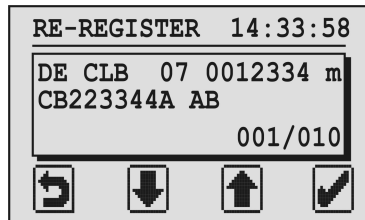


- Select the number of copies to print (maximum 5).
- The basketing list is printed and then the main menu is shown again.
- The basketing list is not printed and then the main menu is shown again.

Note: The basketing lists of the races are saved in the BENZING Express G2 and can also be printed in the menu "4. PRINT".

With this button the basketing will be ended but not stopped and the BENZING Express G2 switches back to the basketing screen. It is later possible to select the same race again for basketing more pigeons.

With this button pigeons can be re-registered. This means that registered pigeons in the BENZING Express G2 can be coupled to a new chip-ring. After pressing this button the authorisation card must be held over the BENZING ClubSystem antenna and after that the display shows all pigeons registered in the BENZING Express G2.

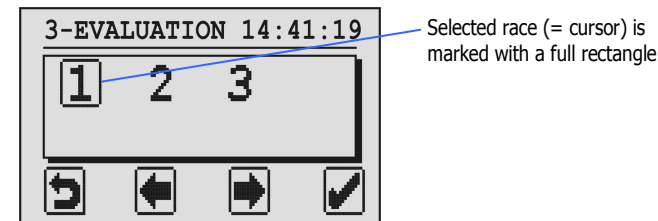


Select the pigeon that shall be re-registered with the middle two buttons and confirm with the green button. The BENZING Express G2 now shows the information to hold the pigeon's chip-ring over the BENZING ClubSystem antenna. If the ring is detected the selected pigeon will be coupled to this ring.

3. EVALUATION

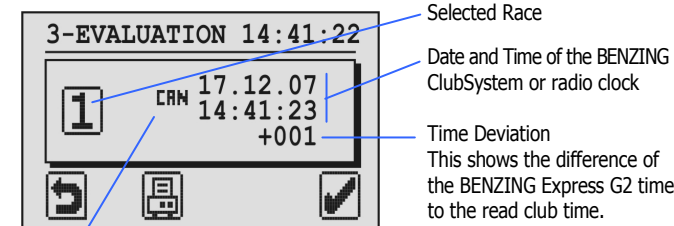


After a race is finished, the evaluation list can be printed at the club for evaluation and to stop the race. When selecting the evaluation menu, the authorisation card must be held over the BENZING ClubSystem antenna. After that the display shows the races (race numbers) that can be evaluated, just like when basketing pigeons (see also point 2).



Select the race to evaluate with the middle two cursor buttons and then press the green button to confirm the selection.

Now the time of the connected BENZING ClubSystem or a connected radio clock is shown.



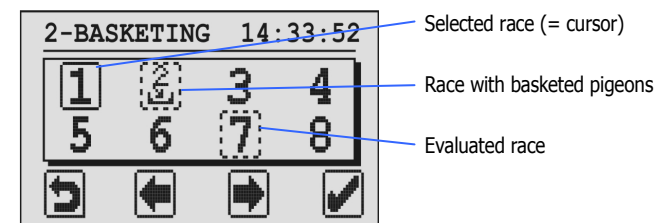
"CLM": Time of the connected BENZING ClubSystem
"GPS": Time synchronised by GPS or radio clock

Pressing this button prints the temporarily evaluation list. The race will **not** be stopped but only printed.

Pressing this button for 3 seconds **stops the race**. The evaluation list will be saved in the BENZING Express G2. The display will change and it can be selected if the evaluation list shall be printed or not. Press the buttons for "YES" or "NO".

Note: The evaluation lists of the races are saved in the BENZING Express G2 and can also be printed in the menu "4. PRINT".

After a race is evaluated and stopped like described, the **race can be cleared** (by the fancier or in the club). Only after a race is cleared the pigeons, basketed to this race, are free again for basketing to other races. To clear a race use the menu "2. BASKETING".



To clear an evaluated race, select it and press the green button ("X" symbol) for 3 seconds. To send the race results to the PC use the menu "1. PC COMM".

4. PRINT



With this menu it is possible to print-out the list of all coupled pigeons in the BENZING Express G2, the list of basketed pigeons to races and the evaluation lists of races. Select the menu "4. PRINT" and the following sub-menu is shown on the display.



Use the middle two buttons to select the list that you want to print.

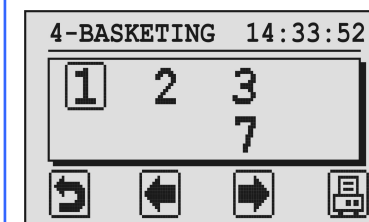
1. COUPLE LIST

The couple list can be printed directly. When selecting this menu item the green button changes to a printer symbol. Press this green button to print-out the list of all couple pigeons in the BENZING Express G2.

2. BASKETING LIST

For every race the corresponding basketing list shows all pigeons that are basketed to the race.

Press the green button (hook symbol) and all running races are shown on the display.



Select the desired race with the middle two buttons.

Press the green button (printer symbol). A new screen is shown where the number of copies to be printed can be select with the key "↑" (see point 2. Basketing). Press the green button (hook symbol) to print the list.

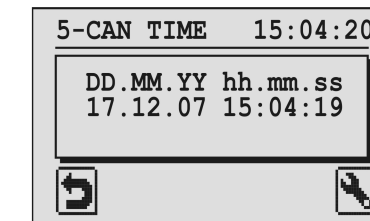
3. EVALUATION LIST

For every evaluated race the evaluation list can be printed. This list shows the race results with the arriving times of the pigeons. When selecting this menu function the same display as for the basketing list will be shown. The race must be selected and then the evaluation list can be printed with the green button (printer symbol).

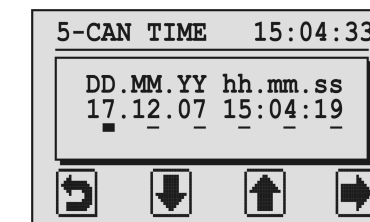
5. CAN TIME



If no external clock (radio or GPS clock) is connected to the BENZING ClubSystem, the time of the BENZING ClubSystem can be set manually with the BENZING Express G2. Select the menu "5. CAN TIME" and the display shows the current date and time of the BENZING ClubSystem.



With the green button it is possible to change the date and time. The input cursor is shown on the display.



The number at the cursor position can be decrease/increase with the middle buttons.

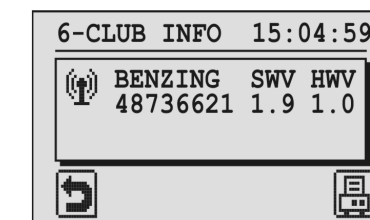
The cursor can be moved one place to the right by pressing the green button.

After the cursor reached the last position (seconds) and the green button (symbol "➡") is pressed again the changed date and time is set in the BENZING ClubSystem.

6. CLUB INFO



With this menu the BENZING Express G2 reads the serial number, software and hardware version of the connected club device (BENZING ClubSystem, BENZING clubPOINT, club antenna CAN etc.) and shows the information on the display.



With this button the club system info (mastertime log file) can be printed.