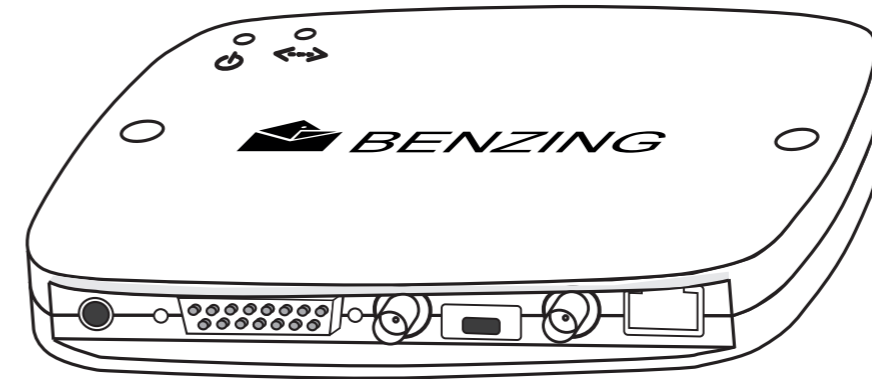# Continuous Clocking

The BENZING Live SMART Hub is a network node that is also equipped with its own internal memory. If the BENZING clock is separated from the BENZING Live SMART Hub, the BENZING Live SMART Hub will switch to the continuous clocking function and begin to register the arrival of pigeons. This takes about 15 seconds to activate and will store the arrivals up to 6 hours from when the BENZING Clock was disconnected.

There are different LED status to show the state of the BENZING Live SMART Hub.

LED lights status

- flashing — Continous clocking is active
- + ● System is ok
- + ● System is not ok

If a pigeon arrives, the LED blinks very fast for 3 flashes

Continuous Clocking with BENZING M3

In the System Info screen you can see if the continuous clocking function (BENZING INN) is available on your device. The continues clocking function requires that the latest firmware version of the BENZING Live SMART HUB as well as the BENZING M3.

Continuous Clocking with BENZING M1

Please check the main screen if the continues clocking function (BENZING INN) is available on your device. The continues clocking function requires that the latest firmware version of the BENZING Live SMART HUB as well as the BENZING M1 is installed.

BENZING M1 INN Info Menu
In the BENZING INN info menu you can also check if the continues clocking function (BENZING INN) is available on your device.

Continuous Clocking with BENZING Express G2

Please check on the main screen if the continuous clocking function (BENZING INN) is available on your device. The continuous clocking function requires the latest firmware version of the BENZING Live SMART HUB and the BENZING Express G2 is installed.

BENZING

BENZING Live! SMART HUB

Quick Start Guide Kurzanleitung

BENZING Live SMART Hub

Version | Version 1.0 – 08/2020
English | Deutsch

www.benzing.cc

⚙ How to connect BENZING Live SMART Hub

BENZING G2

BENZING Live SMART HUB

LED = Green: "Communication"
LED = Red: "GPS signal"
LED = Blue: "Powered on"

Antenna PLB

BENZING M3

Power supply

Mobile network antenna (Cellular)

GPS-Glonass receiver

Adapter cable

Antenna cable

BENZING M1

M1 Fancier cable

NOTICE
Minimum required software:
BENZING M3 V 1.4 or higher
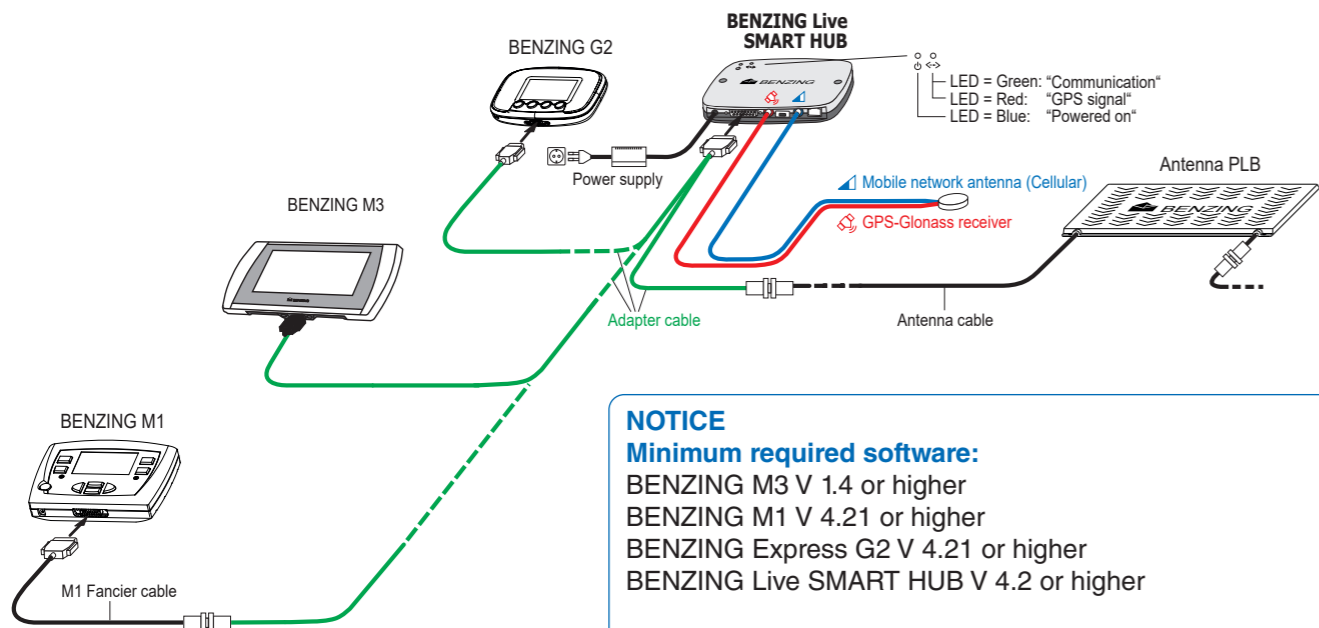BENZING M1 V 4.21 or higher
BENZING Express G2 V 4.21 or higher
BENZING Live SMART HUB V 4.2 or higher

We recommend to use always the lastest available version.

How to install
1 Update your devices to the minimum required software versions mentioned above.
2 Plug in the 15-pin connector of the adapter cable into the BENZING Live SMART Hub! (highlighted green in drawing).
3 **BENZING M3:** Plug in the matching 9-pin plug of the adapter cable into the BENZING M3 fancier cable.
   BENZING M1: Plug in the matching 9-pin plug of the adapter cable into the BENZING M1 fancier cable.
   Express G2: Plug in the matching 9-pin plug of the adapter cable into the BENZING Express G2 fancier cable.
4 Connect the other 9-pin plug of the adapter cable into the antenna cable.
5 The included GPS receiver + GSM Antenna has **two cable connection plugs:**
   Connect the cable with the **RED mark „GPS"** to the red marked SMA jack on the BENZING Live SMART HUB device.
   Connect the cable with the **BLUE mark „Cellular"** to the blue marked SMA jack on the BENZING Live SMART HUB device.
6 Make sure that the GPS receiver is placed outside the loft. This will ensure correct functionality.
7 Connect the round plug of the power supply into the round power jack with the mark „DC 12V" of the BENZING Live SMART HUB device.
8 Plug in the power supply to your power socket.
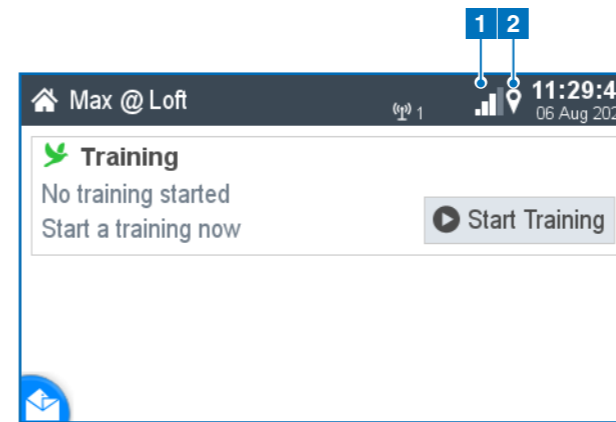
🌐 BENZING Live Website Online
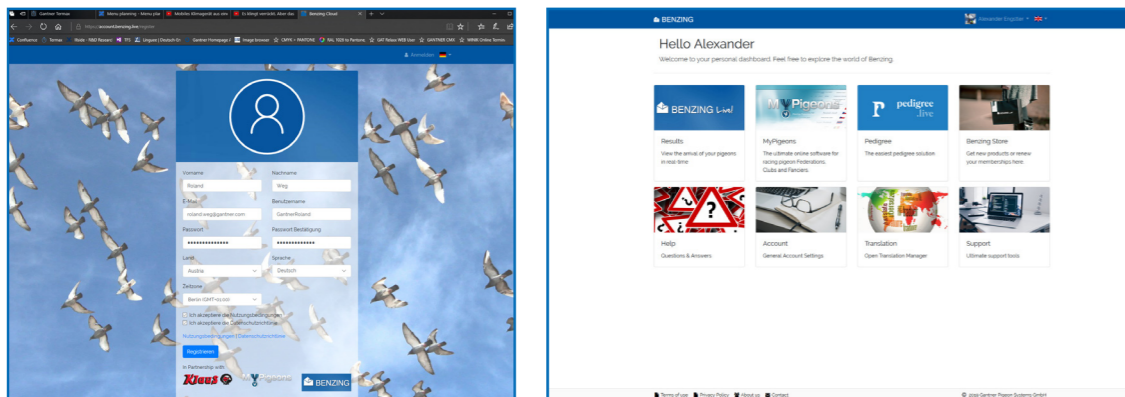
Register and login on the website www.benzing.live
You can log in to the website using your Live ID and password (see the BENZING Live ID card supplied with BENZING Live). Click on „Login" and enter the live ID and password.

1 If you have not registered yet, click on „Register".

2 Enter your data in the window below and click on „Register." You will receive an e-mail with the confirmation. In this email, click the Verify Email button to confirm the registration. After logging in, you will be taken to your personal dashboard.

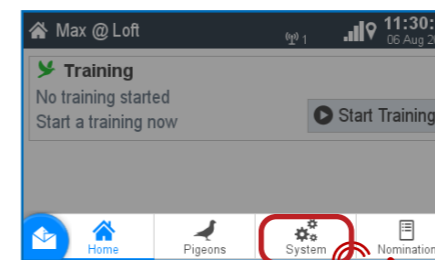## ✉ BENZING M3 with BENZING Live SMART HUB

1 2

Max @ Loft   11:29:45
                              06 Aug 2020

🕊 Training
No training started
Start a training now   ▶ Start Training

Status BENZING Live Explanation

1 GSM Status: Good connectivity
   GSM Status: No connectivity
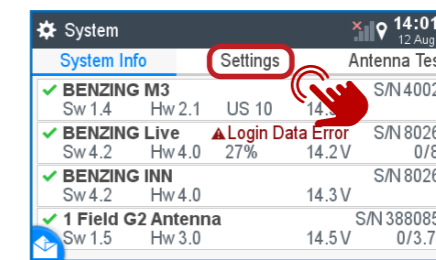
2 GPS Signal

Start BENZING Live:
After all devices are connected to each other and the power is connected, the BENZING Live SMART HUB and the BENZING M3 will start. See here the most important information about the connections:
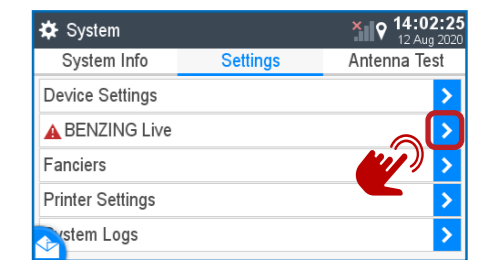
🖥 How to enter the LIVE ID with BENZING M3

Max @ Loft   11:30:39
                              06 Aug 2020

🕊 Training
No training started
Start a training now   ▶ Start Training

Home | Pigeons | System | Nomination

Home Screen:
Open the Main menu and click on System

⚙ System   14:01:57
                              12 Aug 2020
System Info | Settings | Antenna Test
✔ BENZING M3   S/N 400237
   Sw 1.4   Hw 2.1   US 10   14.
   BENZING Live   ⚠ Login Data Error   S/N 802636
   Sw 4.2   Hw 4.0   27%   14.2 V   0/808
✔ BENZING INN   S/N 802636
   Sw 4.2   Hw 4.0   14.3 V
✔ 1 Field G2 Antenna   S/N 38808523
   Sw 1.5   Hw 3.0   14.5 V   0/3.78 k

System:
Choose the System Info Tab. You will notice that the BENZING Live is not activated yet. ⚠

⚙ System   14:02:25
                              12 Aug 2020
System Info | Settings | Antenna Test
Device Settings   >
⚠ BENZING Live   >
Fanciers   >
Printer Settings   >
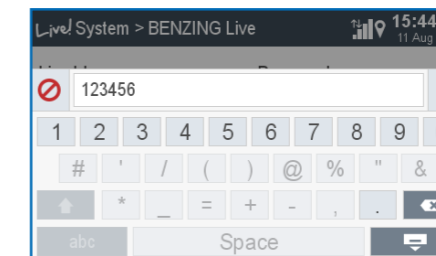System Logs   >

System:
Choose the Settings Tab and select the BENZING Live ❯ option. **Note**:
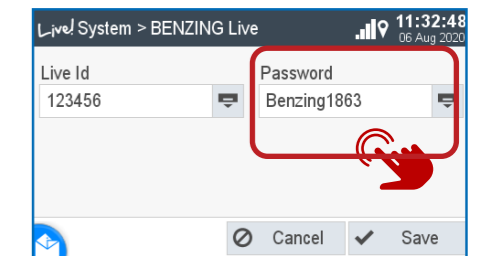If there is no Live ID or Password entered, it will show a Login Data Error

System > BENZING Live   11:32:48
                              06 Aug 2020
Live Id   Password
123456 ⌨   Benzing1863 ⌨

⊘ Cancel   ✔ Save
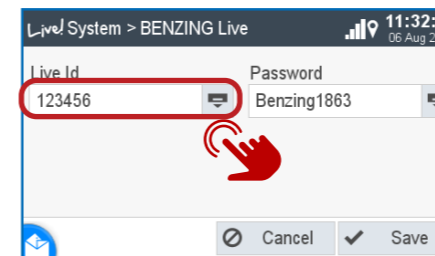
Open keyboard
Please press on the button ⌨ to open your keyboard

System > BENZING Live   15:44:33
                              11 Aug 2020
⊘ 123456   ✔
1 2 3 4 5 6 7 8 9 0
' / ( ) @ % " &
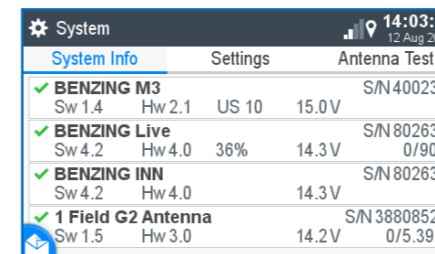⇧ * _ = + - , . ⌫
abc   Space   ⌨

Enter LIVE ID
Please enter your LIVE ID which which was delivered with the BENZING Live SMART Hub and confirm with the green button. ✔

System > BENZING Live   11:32:48
                              06 Aug 2020
Live Id   Password
123456 ⌨   Benzing1863 ⌨

⊘ Cancel   ✔ Save

Check LIVE ID
Enter your password and confirm. Your LIVE ID and Password is displayed. Please press the Save button to store your details.

⚙ System   14:03:12
                              12 Aug 2020
System Info | Settings | Antenna Test
✔ BENZING M3   S/N 400237
   Sw 1.4   Hw 2.1   US 10   15.0 V
✔ BENZING Live   S/N 802636
   Sw 4.2   Hw 4.0   36%   14.3 V   0/902
✔ BENZING INN   S/N 802636
   Sw 4.2   Hw 4.0   14.3 V
✔ 1 Field G2 Antenna   S/N 38808523
   Sw 1.5   Hw 3.0   14.2 V   0/5.39 k

BENZING Live connected:
Once your LIVE ID and Password is stored correctly, the BENZING Live will be displayed without without any notification.
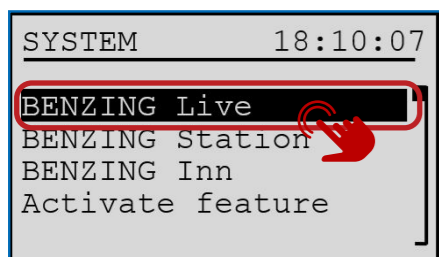
✉ BENZING M1 with BENZING Live SMART HUB

```
Max            18:10:07
      No Race Active

  ((•))  1    L I 🕊  15

                  Menu
```
[1]
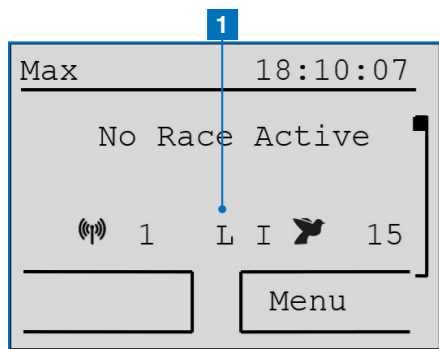
[1] Status BENZING Live Explanation
L   Connected with BENZING Live SMART Hub
L!   BENZING Live server is transmitting data
:L: (flashing L) GPS or GSM connection is lost

Start BENZING Live:
Once all devices are connected to each other, connect the power to the system. The BENZING Live and the BENZING M1 will start up.
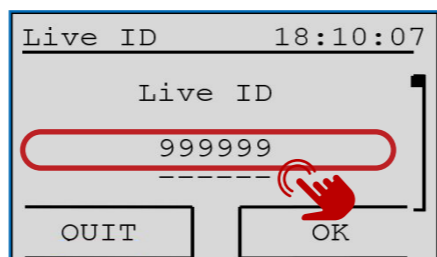
⚙ BENZING G2 with BENZING Live SMART HUB

```
John F.        14:32:15

  No Race / Training


((•))1 I L          🕊000
```
[1]

[1] Status BENZING Live Explanation
L: Connection to the BENZING Live server is OK
L-I: Login error. BENZING Live could not login at the server
L-G: GPS not OK, GPS not recognized
L-M: Modem error. Mobile network not detected
L-C: Communication error

Start BENZING Live:
Once all the devices are connected to each other, connect the power to the system. The BENZING Live and the BENZING Express G2 start up.

⚙ Settings

```
SYSTEM         18:10:07
BENZING Live
BENZING Station
BENZING Inn
Activate feature
```

General:
Please choose the MENU button settings and then select BENZING Live to be able to enter the LIVE ID.
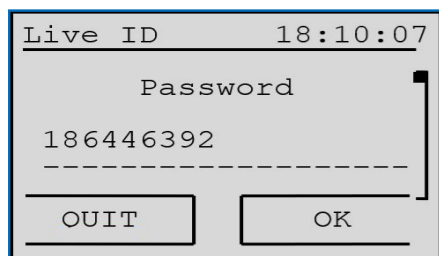
```
BENZING Live 18:10:07
  INFO       LIVE ID
```
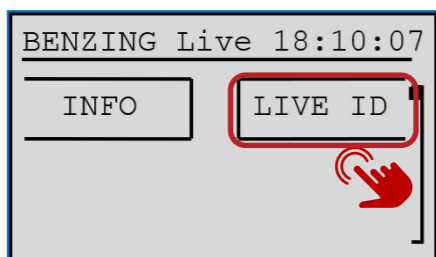
LIVE ID:
In order to have the GSM network and transfer the arrival data, you need to enter a user ID and password. To enter the login data, select the "LIVE ID" button.

```
Live ID       18:10:07
       Live ID
         999999
         -------
   OUIT          OK
```

Enter LIVE ID:
Please enter the Live ID and the password which was included on the Live ID card.

```
Live ID       18:10:07
       Password
     186446392
     ------------------
   OUIT          OK
```

Connecting with LIVE ID:
After you entered your LIVE ID and password press the "OK" button to store your login data. The BENZING Live SMART HUB and the BENZING M1 will now be ready for transiting data over the GSM network.

Notice:
With [▲] or [▼] you can select the desired characters and numbers.
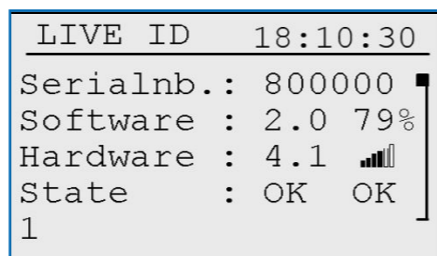With [◀] or [▷] you can move the cursor to the left and to the right. [OK] (green button) saves the entered data.

If there is no cellular connection or a connection is interrupted, all data will be sent as soon as the connection is reestablished.

```
BENZING Live 18:10:07
  INFO       LIVE ID
```
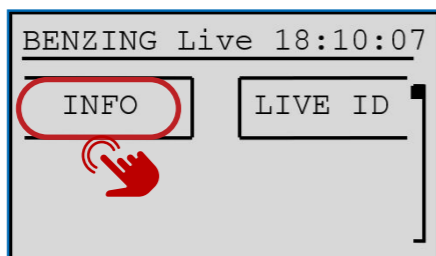
Check Settings:
When you press the "INFO" button in the BENZING Live menu you will see all the system information from the BENZING Live.

Explanation Settings:
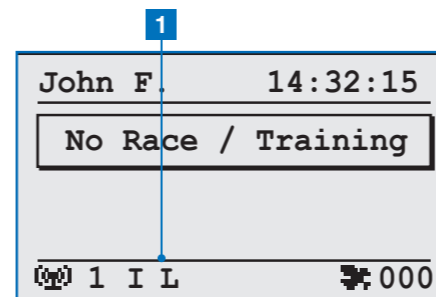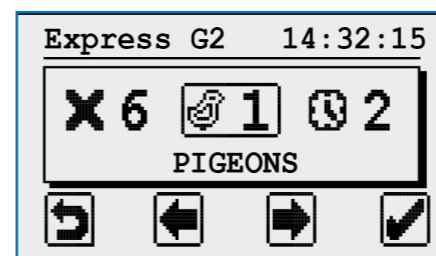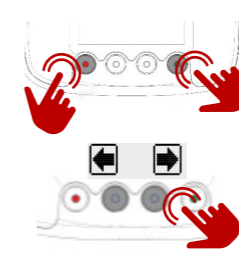There are several different „States" that can occur:
SIM: SIM card not inserted or defective
INIT: The BENZING Live is in Initial/Startup state
OK: Everything is OK
COM ERR: Communication problem
1 or X: 1 = user details correct
         x = user details not correct
NOK:
No GPS signal / GPS receiver not connected

The symbol and the percentage shows you the quality of the signal.

```
 LIVE ID    18:10:30
Serialnb.: 800000
Software : 2.0 79%
Hardware : 4.1 📶
State   : OK  OK
1
```

LIVE ID Overview
This screen shows the overview about the software version and LIVE status. This can be used to troubleshoot any connection issues if needed. See the various „States" below.

⚙ Settings

```
Express G2    14:32:15
  ✕6  🕊1  🕐2
       PIGEONS
  ↩   ←   →   ✔
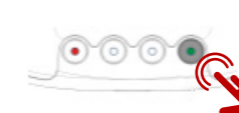```

**Main Menu:**
The Main Menu of the BENZING G2 Express

**Activate the Main Menu:**
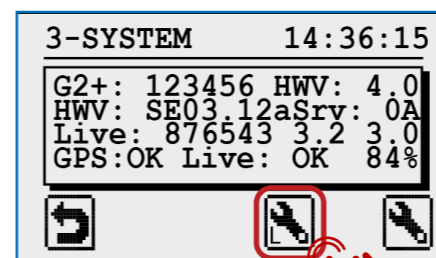Push and hold the red and green buttons of the BENZING Express G2 for appropriately 3 seconds.

**Connecting with LIVE ID:**
To transmit data via the GSM network, you will need to enter a User ID and Password. To enter the login data, use the two middle buttons to scroll to System menu option - System Icon 🔧 3

**Enter the settings menu:**
Select the green button to enter the settings menu. The system settings will be displayed.

```
3-SYSTEM       14:36:15
G2+: 123456 HWV: 4.0
HWV: SE03.12aSrv: 0A
Live: 876543 3.2 3.0
GPS:OK Live: OK  84%
  ↩        🔧   🔧
```

System
You will need to enter the LIVE ID and the password which was included on the LIVE ID card. You will find this card in the BENZING Live packaging.

Once the LIVE ID and Password have been stored in the BENZING Express G2, the BENZING Live and the BENZING Express G2 are ready for use.

```
BENZING Live 14:36:15
ID : 333333
      ------
PSW: 1239870987
      ----------
  ↓    ↑    →    ✔
```
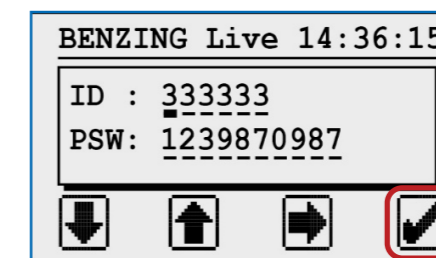
Explanation Settings:
The System screen displays various information about the system, including the status of the BENZING Live SMART Hub. The last line of the status screen shows the the GPS and GSM connection status.

GPS: OK	GPS is OK, position could be determined
GPS: --	GPS not OK, GPS not recognized
Live: OK	Everything is ok
Live: ID	Problem with LIVE ID or password
Live: COM	Communication error with BENZING Live
Live: BUSY	BENZING Live is transmitting data
Live: NOK	General error
Live: SIM	Problem with the SIM Card
Live: PIN	Problem with the PIN Code
Live: GSM	Problem with the GSM network
Live: DATA	Problem with the data network
Live: INIT	BENZING Live is in Initial/Start up state