

# Setting up a local Wi-Fi hotspot fallback

Consibio Logger devices connect primarily via cellular and continuously scan for and select the best operator in the area based on performance metrics collected by the device itself.

If a device is not able to establish a proper cellular connection, it tries to connect to a local Wi-Fi network through an automated fallback mechanism. The credentials for this Wi-Fi network are predetermined. If you have a local device that can't connect via cellular, you can set up a local Wi-Fi hotspot with these credentials to let the device connect through the hotspot instead. This makes it much easier for Consibio's support partners to help identify potential issues.

## Credentials

Set up the Wi-Fi hotspot with credentials exactly as defined below:

Parameter	Value
SSID (network name)	Consibio IoT
Password	Cnsb20:Wf

It's completely secure to use this mechanism, even though everyone can know the password based on the above — see [Security](#) below for more information.

## Set up the fallback

1. **Disconnect all power sources from the device.** Be sure to disconnect both wired power and batteries.
2. **Create and activate the hotspot with the credentials above.** See [Set up a hotspot on an iPhone](#) or [Set up a hotspot on an Android phone](#) below.

3. **Reconnect the power sources.** Ensure the batteries are charged if a wired power supply isn't used.
4. **Wait.** It can take up to 10–15 minutes before the device uses the fallback and attempts to connect via Wi-Fi. If this doesn't happen, there's probably another issue with the device — reach out to [support@consibio.com](mailto:support@consibio.com) for further instructions.

If you're using an iPhone, keep the screen active during this period. Otherwise, it might automatically disable the hotspot.

## Hotspot setup guide

The hotspot can be created with any Wi-Fi access point, but it's often convenient to use a smartphone as the local hotspot. Below is how this is commonly set up on popular smartphone platforms.

### Set up a hotspot on an iPhone

To set up a Wi-Fi hotspot compatible with Consibio Logger on an iPhone:

1. Open the **Settings** app.
2. Select **General**.
3. Select **About**.
4. Select **Name** and change it to (be aware of the letter casing): **Consibio IoT**
5. Select **OK** on the keyboard.
6. Go back to the front page of the Settings app.
7. Select **Personal Hotspot**.
8. Select **Wi-Fi Password** and change it to: **Cnsb20:Wf**
9. Ensure that **Allow Others to Join** is enabled.
10. Ensure that **Maximize Compatibility** is enabled.
11. Activate the hotspot.
12. Close the Settings app but keep the screen active until the device connects — otherwise, the iPhone might automatically close the hotspot again.

### Set up a hotspot on an Android phone

To set up a Wi-Fi hotspot compatible with Consibio Logger on an Android smartphone:

1. Open the **Settings** app.
2. Select **Connection & sharing**.
3. Select **Personal hotspot**.
4. Select **Hotspot settings**.
5. Under **Hotspot name (required)**, change the name to: **Consibio IoT**
6. Under **Password**, change it to: **Cnsb20:Wf**
7. Under **Security**, select **WPA2/WPA3-Personal** (this is usually selected by default).
8. Under **AP band**, select **2.4 GHz**.
9. Activate the hotspot.

### **Note**

Menu names and steps vary between Android manufacturers and versions. If your device's settings app uses different labels than the ones above, a reviewer should confirm the current wording before publishing.

## Security

It's completely secure to let everyone know the Wi-Fi credentials listed above, since they can't be used to gain improper access to devices or data, or to impersonate devices:

- Consibio Logger treats **all** networks as insecure. All communication to and from the devices is encrypted using the latest standards (TLS 1.3). If someone with malicious intent sets up a Wi-Fi access point that a device connects to, they still can't retrieve the data.
- The devices **never** accept incoming requests over a network — a session is always initiated by the device to a trusted source.
- A Wi-Fi network can't be used to prevent a device from connecting and impose a loss of function. A device always attempts to connect via cellular first; only if that fails does it attempt Wi-Fi. If the Wi-Fi network doesn't allow the outgoing requests the device makes, the device automatically disconnects from the Wi-Fi network and retries the cellular connection.

# Troubleshooting

- **The device never falls back to Wi-Fi** — wait the full 10–15 minutes before assuming it's not working. If it still doesn't connect, there's likely another issue with the device.
- **An iPhone hotspot turns off on its own** — keep the iPhone's screen active while waiting for the device to connect; iOS can disable the hotspot automatically once the screen locks.

If these steps don't resolve the issue, reach out to [support@consibio.com](mailto:support@consibio.com).