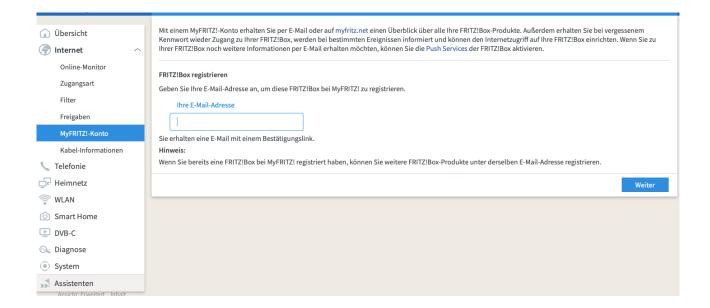
Fernzugriff LTE Router und VPN

To remotely access your Van Pi system, you can use an LTE router and connect to it via VPN with your phone. This allows you to control the lights or check the battery status of your VanPi System from anywhere around the world.

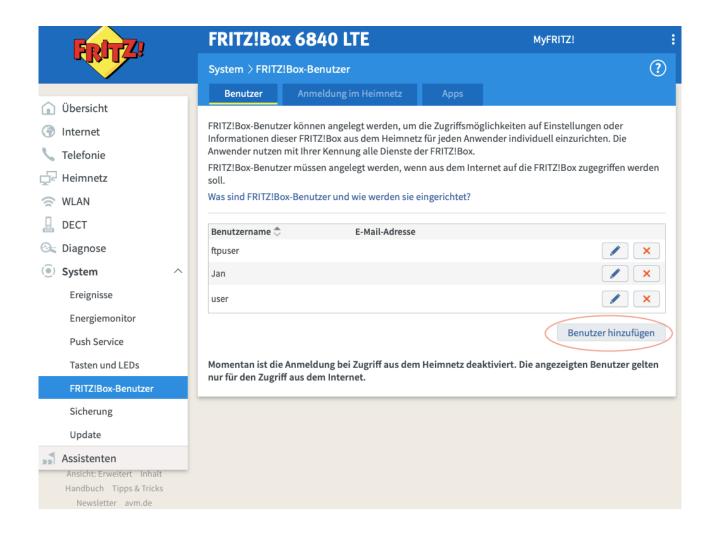
We assume the use of a Fritz!box and an iPhone in the following section. First, set up the Fritz!box and connect your VanPi to your Fritz!box Wi-Fi. Now let's set up the VPN connection

Connect to your Fritz!box Wi-Fi and navigate to "Fritz.box" or "192.168.178.1" in the browser of your choice and log in.

First, we need to create a MyFRITZ! account. Go to Internet -> MyFRITZ! Account in the side menu and follow the instructions to set up a MyFRITZ! account.

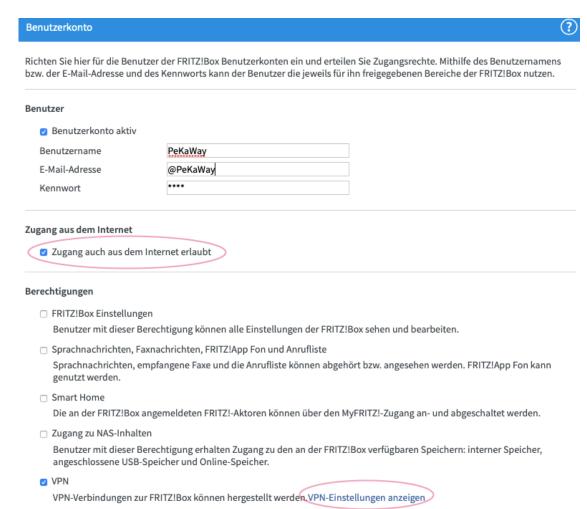


After setting up the MyFRITZ! account, we will now set up a new user. Go to System -> Fritz!box Users -> Add User in the side menu.



Enter your desired user data and permissions. Importantly, select the fields "Allow Access from the internet" and at the bottom "VPN connections to FRITZ!Box can be established." Clicking OK will create the user (Image 2). Then click on the pencil icon and select "Show VPN settings". You can use the displayed data to set up the VPN on your iPhone.

If you want to use the VPN on multiple Apple devices and have a Mac, you can create a profile with Apple Configurator to easily set up the VPN on multiple devices.



Setting up VPN on iPhone

Go to your iPhone settings, then General -> VPN -> Add VPN...

Typ: "IPsec"

Description: "VanPi VPN" Server: "Adresse der Fritzbox" Account "Fritzbox Benutzer"

Passwort: "Password des Fritzbox Benutzers"

Group Name:: "Fritzbox Benutzername"

Shared Secret: "xyz" (iPhonelmage1)

Use the precise data from the Fritzbox from the previous step.



VPN-Einstellungen VPN für Mobilgeräte einrichten Geben Sie die folgenden Daten in Ihr Mobilgerät ein, um es für die Nutzung von VPN mit der FRITZ!Box einzurichten.

iPhone, iPad oder iPod touch

- Wählen Sie auf dem Homescreen Ihres iPhones, iPads oder iPod touch das Symbol Wählen Sie auf dem runrescreen met in inchen Filmstellungen".

 Öffnen Sie das Menü "Allgemein > VPN > VPN hinzufügen".

 Wählen Sie als VPN-Betriebsmodus "IPSec".

 Tragen Sie in die Felder folgende Angaben ein:

 Beschreibung:

 FritzBoxAdresse

FritzBoxAdresse

PeKaWay Kennwort des FRITZ!Box-Benutzers "PeKaWay"

Server: FritzBoxAdre
Account: PeKaWay
Kennwort: Kennwort des
Zertifikat verwenden ist deaktiviert

Gruppenname: bastelmarvin
Shared Secret: ycl7gPJGTJBPjoC2jxi8q9
Wählen Sie für "Proxy" die Einstellung "aus".
Beenden Sie die VPN-Einrichtung mit "Sichern".

So far so good! The VPN works! However, only as long as you are in Wi-Fi! Now it gets a bit more technical. Your FritzBox / your SIM card does not have a public IP address (a digital address similar to your postal address). You can request one from your provider. For example, with O2, you can call and get assigned a "public IP address". It costs about 50 € one-time and applies to all SIM cards of your contract. On the FritzBox!, you must now make some changes. (request public iP O2)

In the Fritzbox menu, go to Internet -> Access Data. There, take over the data from the screenshot.

In the case of O2:

Internet provider: "other internet providers"

Access point: "netpublic"



Now you can access the Fitzbox via VPN from your mobile phone. In the Home Network menu, you can see the IP address of your VANPi and create a bookmark to easily keep track of all your VanPi data.

Apple users who have set up VPN via Apple Configurator can also configure the VPN to automatically connect as soon as they access the VanPi. (Instructions)