

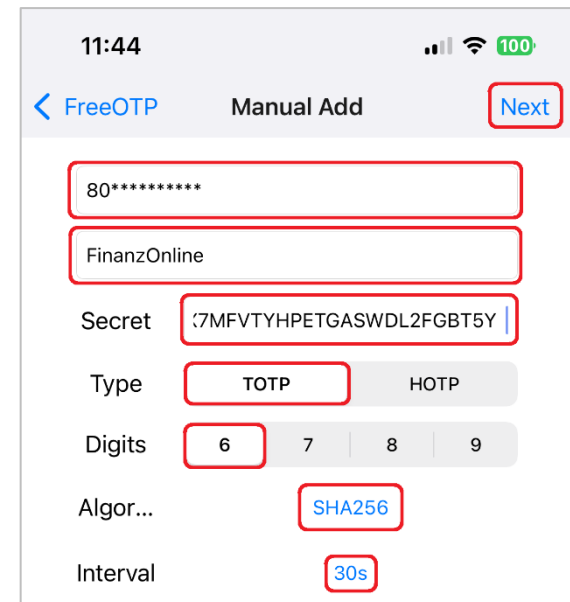
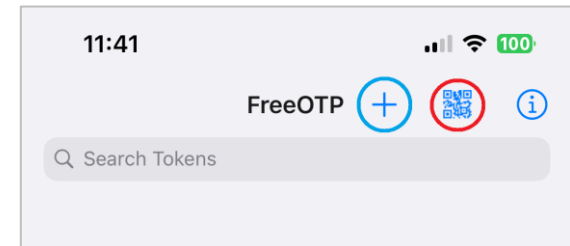
Application Guide Two-factor authentication

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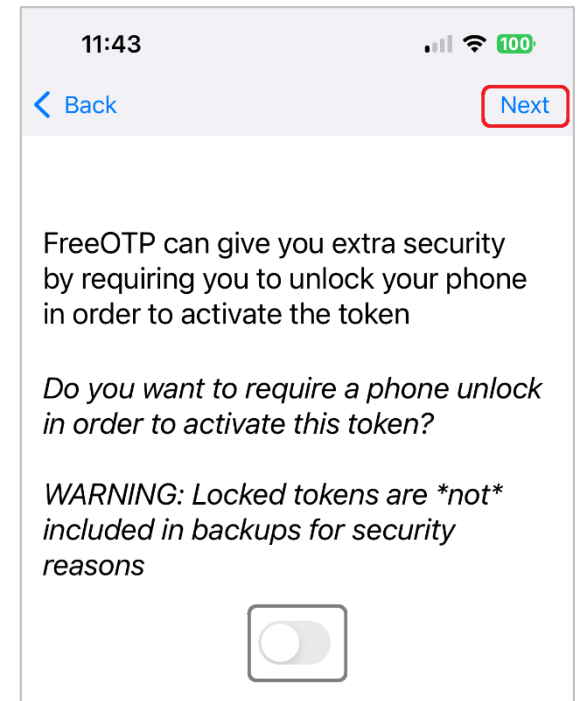
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FreeOTP (Android & IOS)

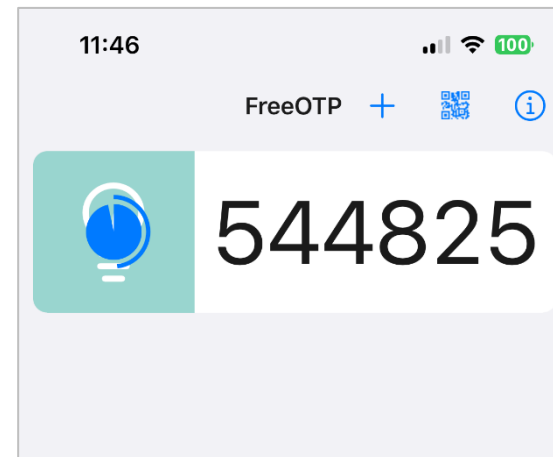
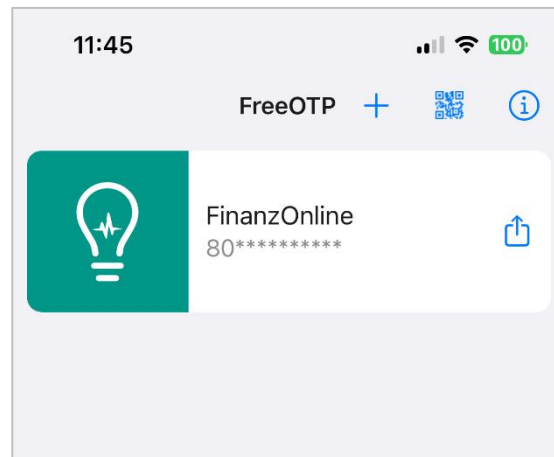
1. Search for *FreeOTP* in your store and install the app.
2. Go to *FinanzOnline*. After logging in with your user ID or username, you will be prompted to register for Two-factor authentication (2FA). Click on **“Registrierung starten”**. If you have skipped this step, click on your name in the top left corner and then on **“2-Faktor-Authentifizierung”**.
3. Open FreeOTP and tap on the
 - a. **„QR-Code-Symbol“**: Use your smartphone's camera. You may need to allow the app to use the camera in your settings.
 - b. **“Plus symbol”**: If you are unable to use a camera, the following fields must be entered manually:
 - i. Freely selectable **Username**
 - ii. Freely selectable **Name** of the Service (e.g., FinanzOnline)
 - iii. Secret: **Setup key** that is displayed in the setup wizard.
 - iv. Type: **TOTP**
 - v. Digits: **6**
 - vi. Algorithm: **SHA256**
 - vii. Interval: **30s**
4. Select any icon and tap **“Next”**.



5. Optionally, as an additional security measure, you can require the smartphone to be unlocked before each OTP code is displayed. Tap „Next“.

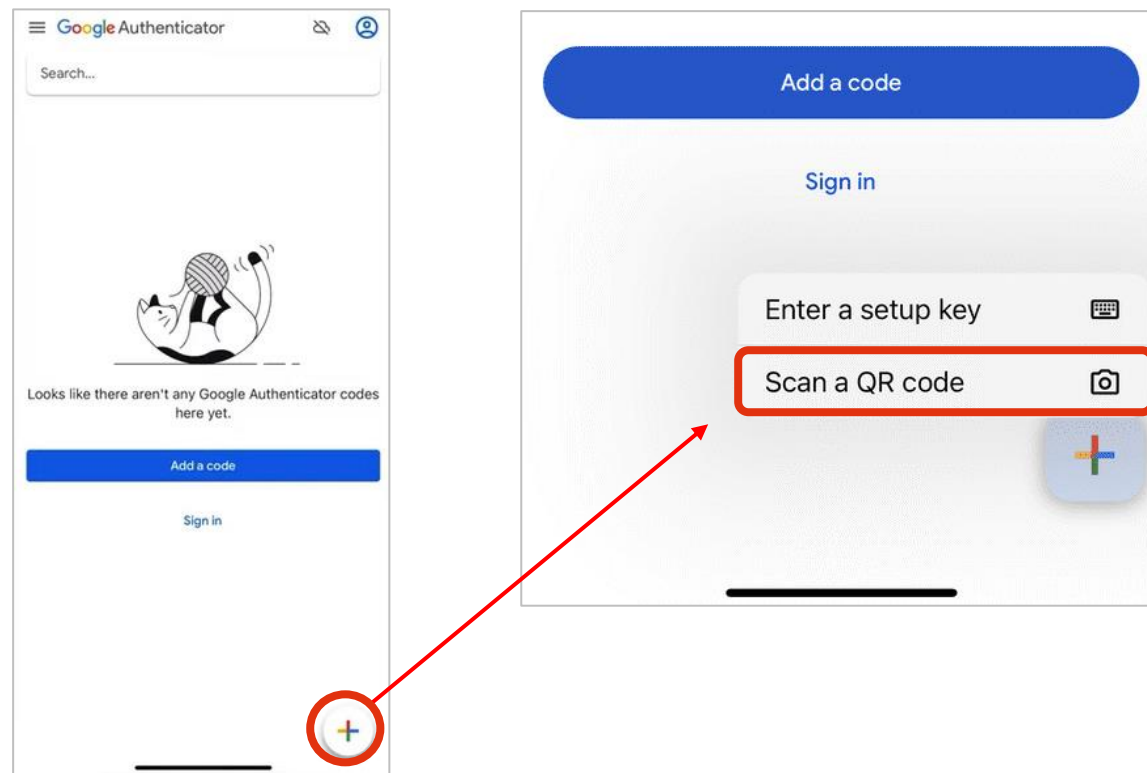


6. Finally, tap the corresponding button to display the current code. You may need to unlock your device to do this. Enter the generated code and any device name in *FinanzOnline* and click on “Gerät speichern”.



Google Authenticator (Android & IOS)

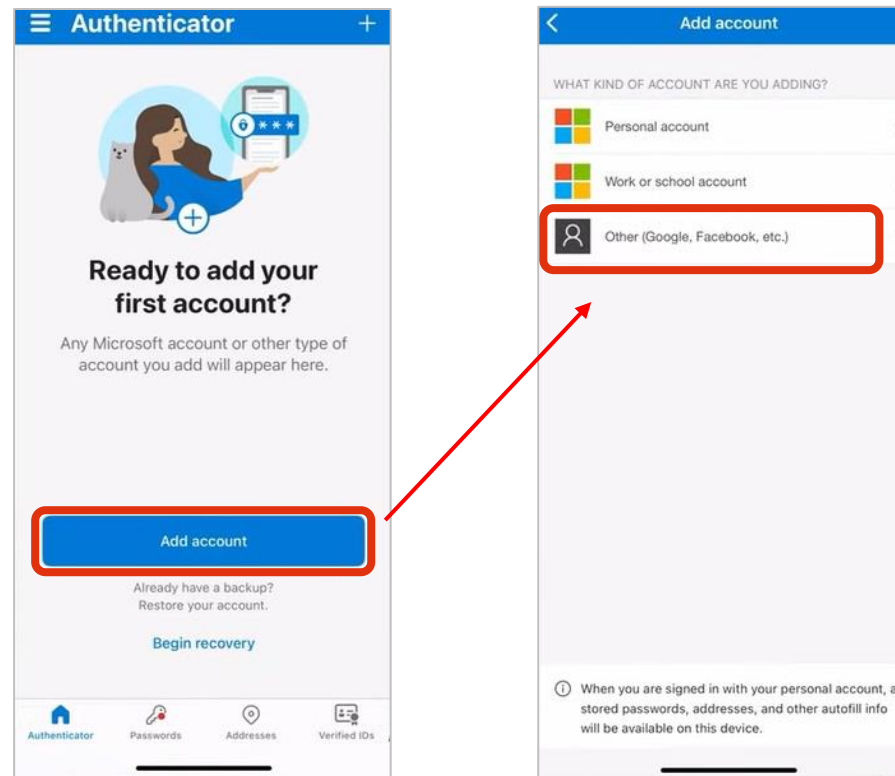
1. Search for *Google Authenticator* in your store and install the app.
2. Go to *FinanzOnline*. After logging in with your user ID or username, you will be prompted to register for Two-factor authentication (2FA). Click on **“Registrierung starten”**. If you have skipped this step, click on your name in the top left corner and then on **“2-Faktor-Authentifizierung”**.
3. Open Google Authenticator and tap the plus icon in the bottom right corner. Select an option:



- a. **Scan the QR code:** Use the camera on your smartphone. You may need to allow the app to use the camera in your settings.
 - b. **Enter setup key:** Assign an account name (e.g., FinanzOnline), select **Time-based** as the key type, and confirm by tapping the **“Add”** button.
4. Enter the generated code and any device name in *FinanzOnline* and click on **“Gerät speichern”**.
 5. Click on **„PDF mit Wiederherstellungscod herunterladen“**. Save and/or print the file. The file contains a confirmation code that you must enter in the field provided and click **“Weiter”**.
 6. In the last step, you can enter your email address. You will receive a verification code. Enter this code and click on **“E-Mail-Adresse bestätigen”**.

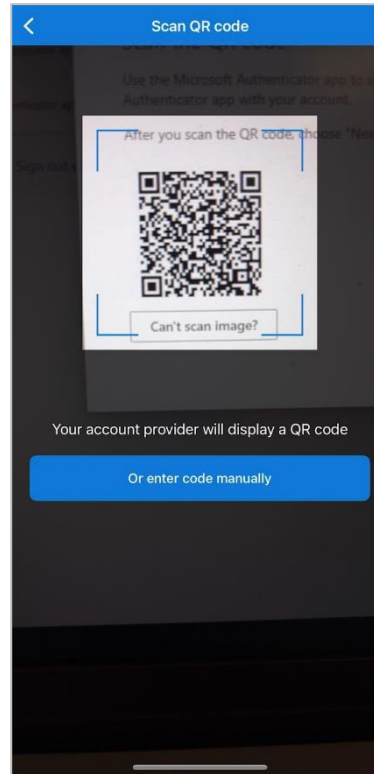
Microsoft Authenticator (Android & IOS)

1. Search for *Microsoft Authenticator* in your store and install the app.
2. Open the Authenticator and click on the **“plus sign”** in the top right corner or on **“Add account”** in the middle and select the account type Other (Google, Facebook, etc.).



3. Go to *FinanzOnline*. After logging in with your user ID or username, you will be prompted to register for Two-factor authentication (2FA). Click on **“Registrierung starten”**. If you have skipped this step, click on your name in the top left corner and then on **“2-Faktor-Authentifizierung”**.

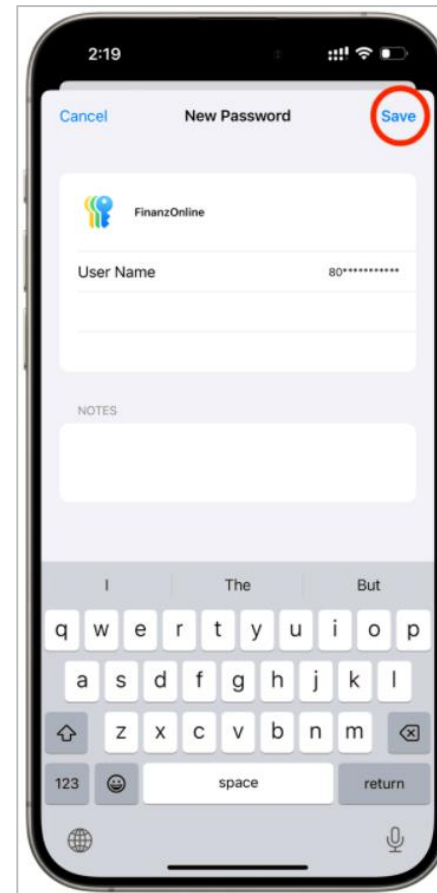
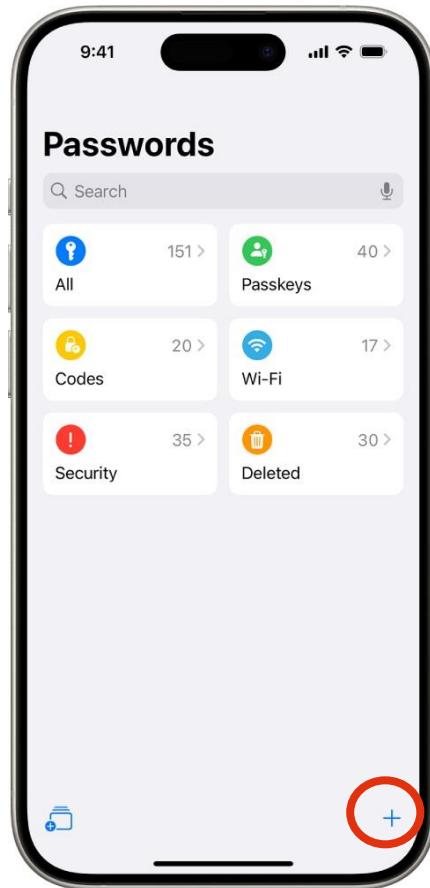
4. Scan the QR code displayed on your smartphone. Alternatively, you can enter or copy the setup key under **“Or enter code manually”** and confirm by tapping **“Finish”**.



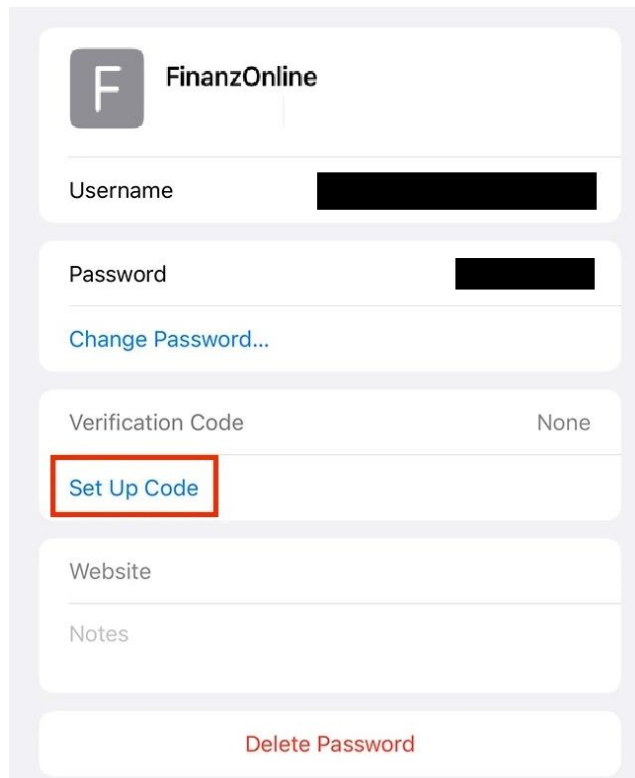
5. Enter the generated code and any device name in *FinanzOnline* and click on **“Gerät speichern”**.
6. Click on **„PDF mit Wiederherstellungscod herunterladen“**. Save and/or print the file. The file contains a confirmation code that you must enter in the field provided and click **“Weiter”**.
7. In the last step, you can enter your email address. You will receive a verification code. Enter this code and click on **“E-Mail-Adresse bestätigen”**.

Passwords (Apple)

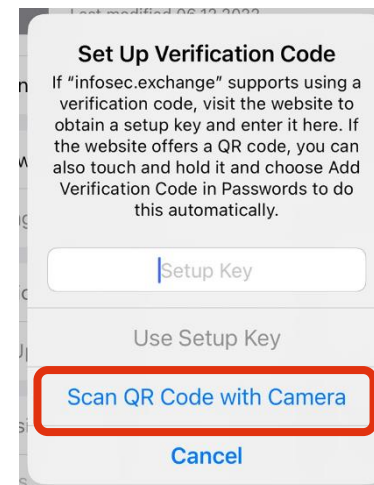
1. Open the Passwords app and tap the **plus icon** in the bottom right corner. Choose a name for the site and enter your username and password. Tap **“Save”**.



2. Open the entered login details. You can use the search function to find it. Tap on **“Set up code”** to start the process.
3. Go to *FinanzOnline*. After logging in with your user ID or username, you will be prompted to register for Two-factor authentication (2FA). Click on **“Registrierung starten”**. If you have skipped this step, click on your name in the top left corner and then on **“2-Faktor-Authentifizierung”**.
 - a. Tap **“Scan QR Code”** and capture the displayed QR code with your camera.
 - b. Alternatively, you can enter the setup key manually and confirm with **“Use configuration key”**.

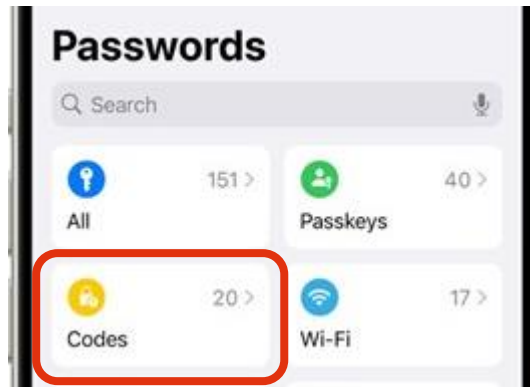


The screenshot shows the FinanzOnline login interface. At the top left is the 'FinanzOnline' logo. Below it are fields for 'Username' and 'Password', both of which are redacted with black boxes. A 'Change Password...' link is located below the password field. The 'Verification Code' field is currently empty and labeled 'None'. A blue 'Set Up Code' button is highlighted with a red rectangular box. Below this are fields for 'Website' and 'Notes'. At the bottom of the screen is a red 'Delete Password' button.



The screenshot shows a dialog box titled 'Set Up Verification Code'. The text inside reads: 'If "infosec.exchange" supports using a verification code, visit the website to obtain a setup key and enter it here. If the website offers a QR code, you can also touch and hold it and choose Add Verification Code in Passwords to do this automatically.' Below the text is a 'Setup Key' input field. Underneath that is a 'Use Setup Key' button. A blue 'Scan QR Code with Camera' button is highlighted with a red rectangular box. At the bottom is a blue 'Cancel' button.

4. Enter the generated code and any device name in *FinanzOnline* and click on **“Gerät speichern”**. All codes can be found under **“Codes”**:



5. Click on **„PDF mit Wiederherstellungscod**e herunterladen“. Save and/or print the file. The file contains a confirmation code that you must enter in the field provided and click **“Weiter”**.
6. In the last step, you can enter your email address. You will receive a verification code. Enter this code and click on **“E-Mail-Adresse bestätigen”**.

WinAuth (Windows).

1. Download the latest version of WinAuth (e.g. via GitHub), unzip the ZIP archive, and start the **“WinAuth.exe”** application. No installation is necessary.
2. Go to *FinanzOnline*. After logging in with your user ID or username, you will be prompted to register for Two-factor authentication (2FA). Click on **“Registrierung starten”**. If you have skipped this step, click on your name in the top left corner and then on **“2-Faktor-Authentifizierung”**.
3. In WinAuth, click **“Add”** and then **“Authenticator”**.



4. Select any description for **“Name”**. Leave the default setting **“Time-based”** as the type of authenticator. Start the generation process by clicking **“Verify Authenticator”**. WinAuth then offers the option of setting up protection for the application.

Add Authenticator

Name:

1. Enter the Secret Code for your authenticator. Spaces don't matter. If you have a QR code, you can paste the URL of the image instead.

Decode

2. Choose if this is a time-based or a counter-based authenticator. If you don't know, it's likely time-based, so just leave the default choice.

Time-based Counter-based

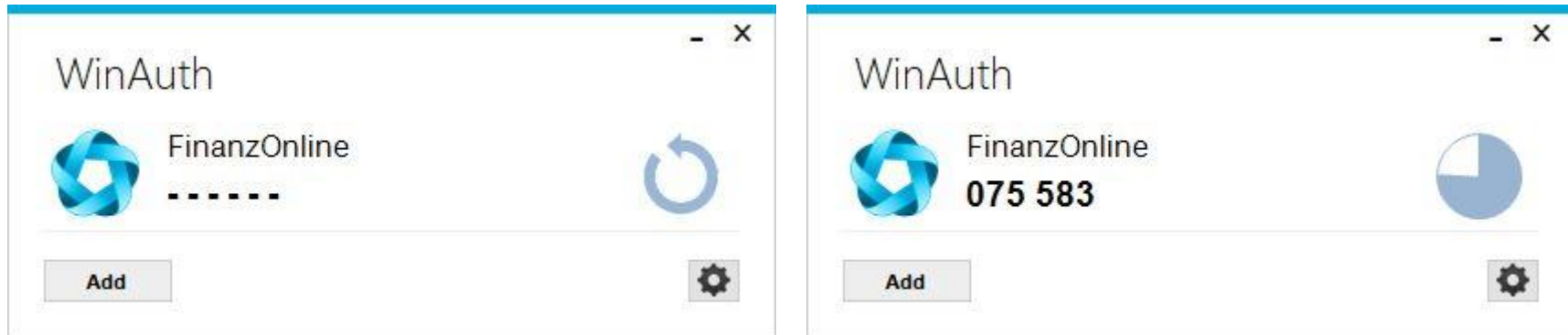
3. Click the Verify button to check the first code.

Verify Authenticator

4. Verify the following code matches your service.

OK **Cancel**

5. Clicking on the field displays the currently valid code. Enter the generated code and any device name in *FinanzOnline* and click on **“Gerät speichern”**.



6. Click on **„PDF mit Wiederherstellungscod herunterladen“**. Save and/or print the file. The file contains a confirmation code that you must enter in the field provided and click **“Weiter”**.
7. In the last step, you can enter your email address. You will receive a verification code. Enter this code and click on **“E-Mail-Adresse bestätigen”**.