Portable RelayDoc™ (PRD)

Quick Start Guide

1.0 Introduction

The Portable RelayDoc Quick Start Guide is intended to get you and your new Portable RelayDoc up and running as quickly as possible.
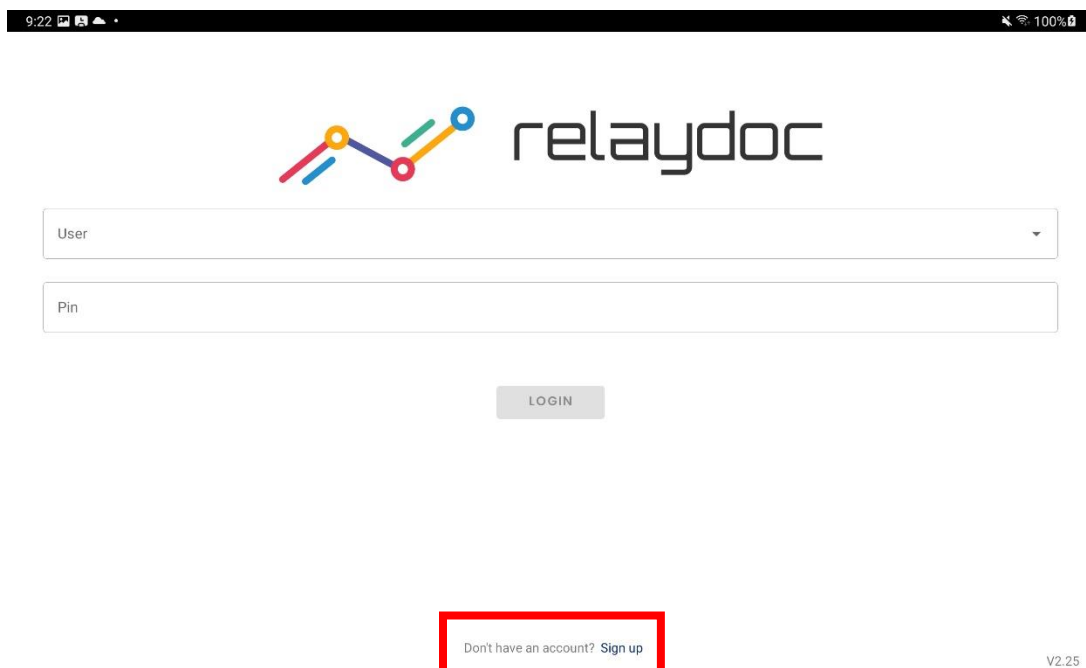
For a more detailed examination of the unit and the application, please view the Portable RelayDoc User Manual, which can be found at [WWW.MRD.COM.AU](WWW.MRD.COM.AU).

The quick-start steps are as follows:

1) Create a new user on the app
2) Install the MRD Profile Set
3) Test a Relay

2.0 Creating a New User

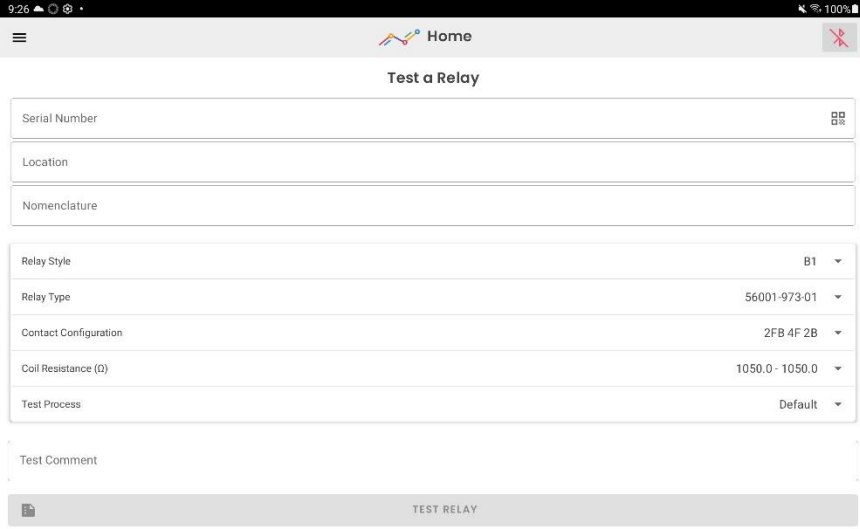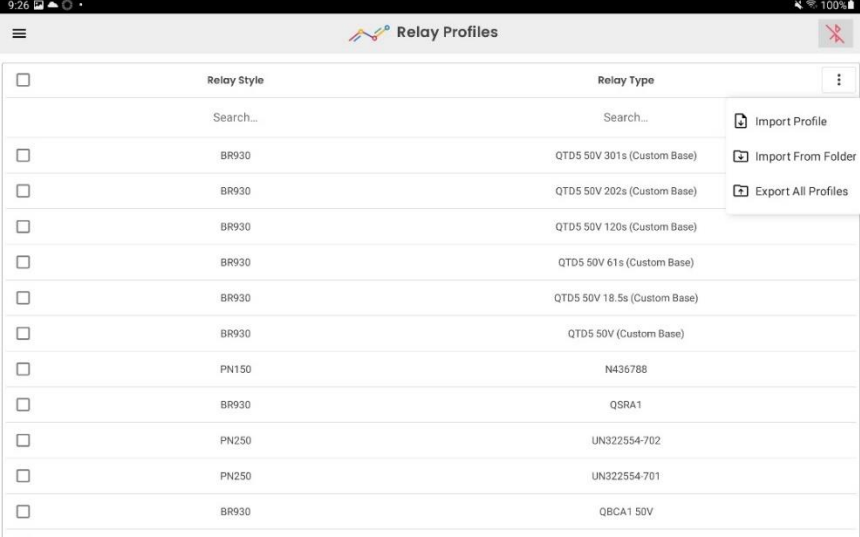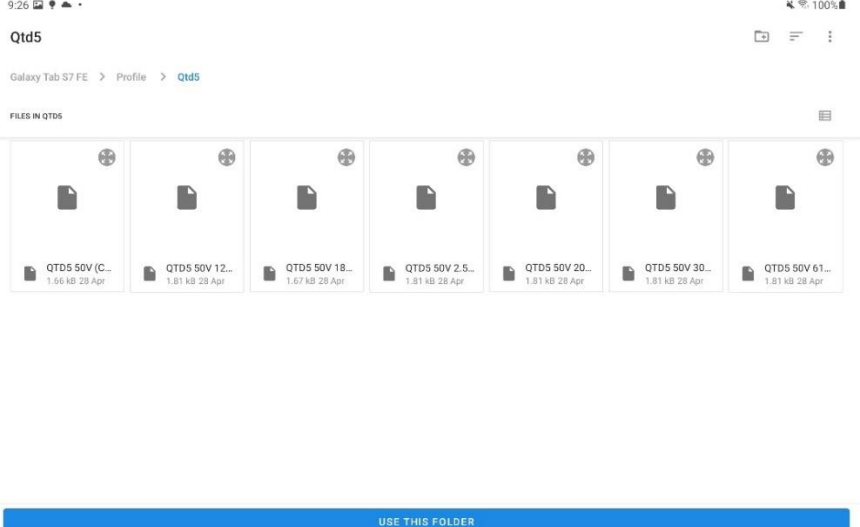When first opening the application, the user will be greeted with the login screen.

1) Select the Sign-up button at the bottom of the screen. (Seen in the red box in the image above)
2) The user will be prompted to fill in some details. The first account setup on the tablet will need to be an Administrator role and all other accounts will be the User role by default. The Administrator can change the permissions of other users.
3) Once filled, select save. The app will return to the login screen.
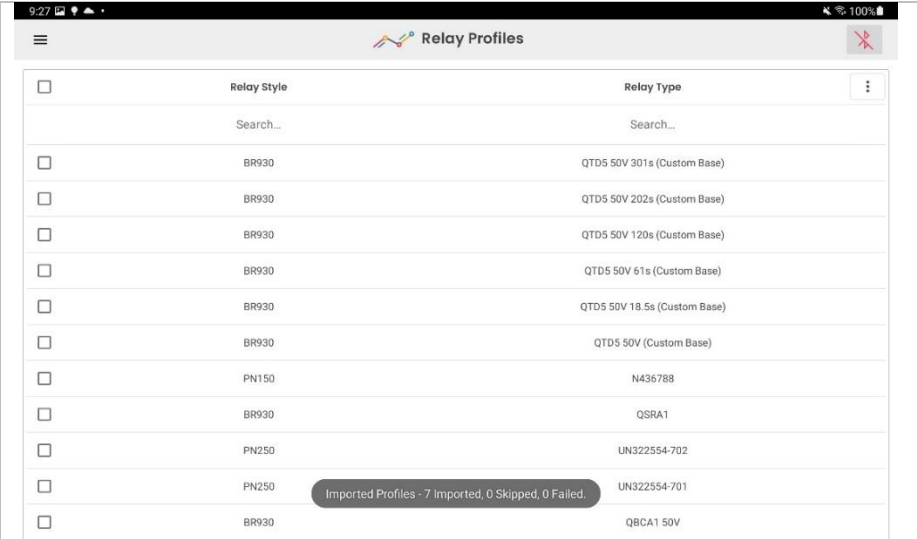4) Enter the name and pin used to create the account and select login.

3.0 Installing the MRD Profile Set

The following table has instructions on how to download the MRD Profile Set for the relay type in use, copy the desired profiles to the tablet, and install within the application.

Step	Description	Additional Information/Images
1	Using the included USB-C to USB-A cable, connect the tablet to a PC. Ensure the tablet is turned on and unlocked.	There may be a popup asking permission for the PC to access the files on the tablet. If this is the case, select "allow".
2	The latest profiles can be downloaded from the MRD website. Using file explorer, navigate to the location where the profiles were downloaded.	If the profiles are in a zip file, right click on the zip file, and select extract all.
3	Select the folders which match the external base included with your Portable RelayDoc.	The profiles are sorted into folders depending on the type of relay. Each folder is a unique external base.
4	Copy the folders chosen to the tablet	A common folder used for this is "Download".

5	Open the RelayDoc App and login. You should see the "Test a Relay" screen.	
6	Navigate to the Relay Profiles tab and select the three vertical dots in the top right corner	
7	Select "Import from Folder", and Navigate to the folder with the new profiles	

8	Select "Use This Folder". The profiles should be imported, and a popup informing the user can be seen.	

3.0 Testing A Relay

To test a relay, first ensure the following steps are completed.

1) The User is logged into the app.
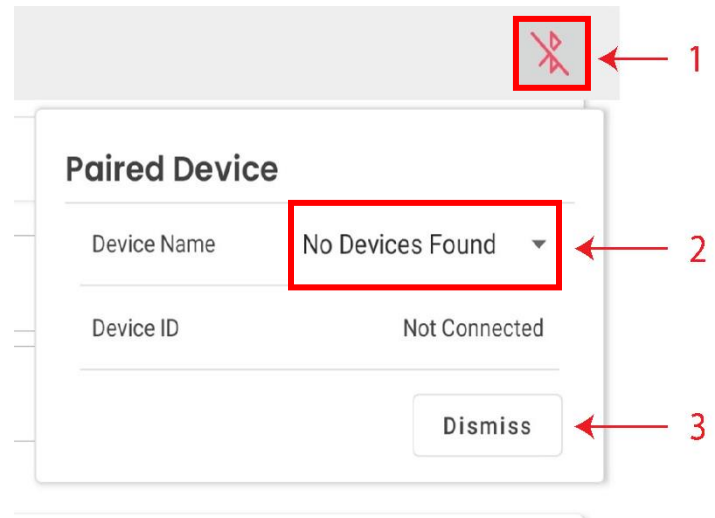2) The Relay Profile is installed for the relay to be tested.

3.1 Hardware Setup

The following connections need to be made:

1) Connect the power cable into the unit, with the other end connected to mains power.
2) Connect 50 pin cable to main external relay base connection and connect the other end to the relay base.
3) Plug the desired relay into the base.
4) Ensure the relay is oriented in the same way as it would be used in the field.
   a. This step is vital to ensure accurate testing, as different orientations will cause the relay results to differ.
5) Optional: Connect the USB-A to USB-C cable to the tablet for charging if required.
   a. This is not a data connection and does not need to be connected to operate the Portable RelayDoc.
6) Turn on the unit with the power switch.
   a. The unit should beep three times to indicate it has been powered on.

3.2 Connecting the Portable RelayDoc (Bluetooth)

Before testing a relay, the unit will need to be connected to the tablet. The only way to do this is via the Bluetooth connection.

1) In the application, select the Bluetooth button in the top right corner (the menu can be seen in the image to the right)
2) Next to device name, open the drop-down menu, and select the name of the device. The name will be the serial number of the unit (PRD-xxxxx). The unit should automatically connect.
3) When connected, the Portable RelayDoc should beep three times again to indicate it has connected to the application.

Paired Device

Device Name — No Devices Found ▼

Device ID — Not Connected

Dismiss

3.3 Testing a Relay

Once the hardware is setup, and the Portable RelayDoc has been connected via Bluetooth to the application, then the test process can begin.

1) Open the home screen ('Test a Relay')
2) Fill out the relay serial number, location and nomenclature.
   a. The serial number can be scanned in via a barcode by selecting the icon at the very right of the input field.
3) Select the relay style and type from the drop-down menu.
   a. Found on the name plate of the relay under test.
4) Select the contact configuration from the drop-down menu.
   a. Found on the name plate of the relay under test.
5) Select the coil resistance from the drop-down menu.
   a. Found on the coil of the relay under test.
6) Select the default test process from the drop-down menu.
7) Optional: Enter any test comments required
8) Select 'Test Relay'

Once completed, the report will be automatically generated