

Application Note

How to pair Turbo Compact Base (cB1) to a smart device with Android 6.0 (and higher)

Introduction

Android 6.0 (Marshmallow) was released on October 5, 2015. In this release, Google made changes to the application permission model. Consequently, those permissions related to the Turbo app are not granted upon installing (or updating) the software.

This application note helps users to identify quickly and easily the lack of permissions from Android devices and correct them. After reading this application note, users will be at ease with any smart device with Android 6.0 or higher which is running the Turbo app in conjunction with the AFL cB1.

Identifying the Problem

The Rogue® cB1 supports a simple Bluetooth pairing model where the Turbo app scans a QR Code on the cB1 using the camera on the smart device. This requires that the Turbo app has permissions to access the camera on the smart device. For devices running Android system 5.0 and lower, there will be no problems. For devices running Android system 6.0 and higher, users may see a screen similar to figure below:

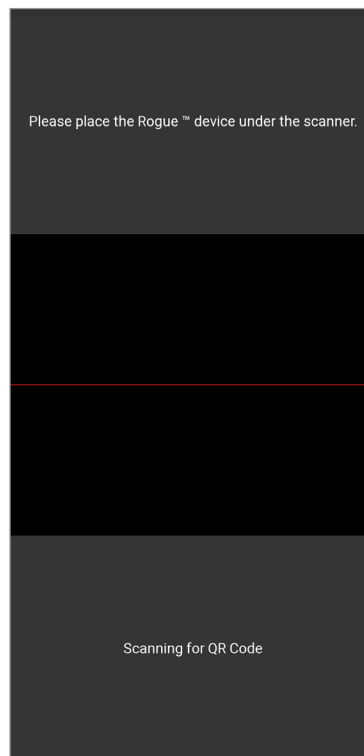


Figure 1: Turbo App Scanning Screen

Solving the Problem

App Setting – Permission

The dark screen above is due to the Turbo app lacking permission to access the smart device's camera and location.

Each Android device may have different ways to access app settings, but users with devices running Android 6 and above should arrive at a screen similar to the figure shown below. Notice that in this figure, the only permission granted to the Turbo app is Storage.



Figure 2: Turbo App Information Screen

Click on "Permissions"; the user will see only the "Storage" permission turned ON.

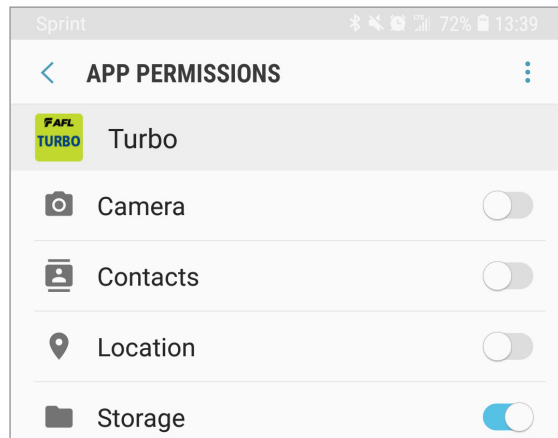


Figure 3: Turbo App Permissions Screen

The user should turn on all permissions (Camera, contacts, and Location) so that the Turbo app can run smoothly.

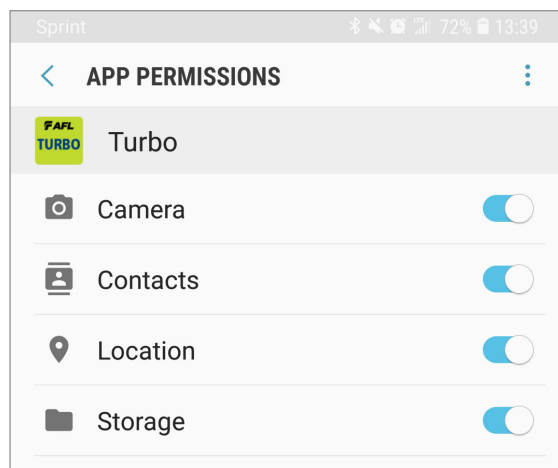


Figure 4: Turbo App Permissions Screen

When the user next launches the Turbo app and goes to connect to a Rogue® cB1 base, instead of a black screen, the user should see the QR code as shown below:

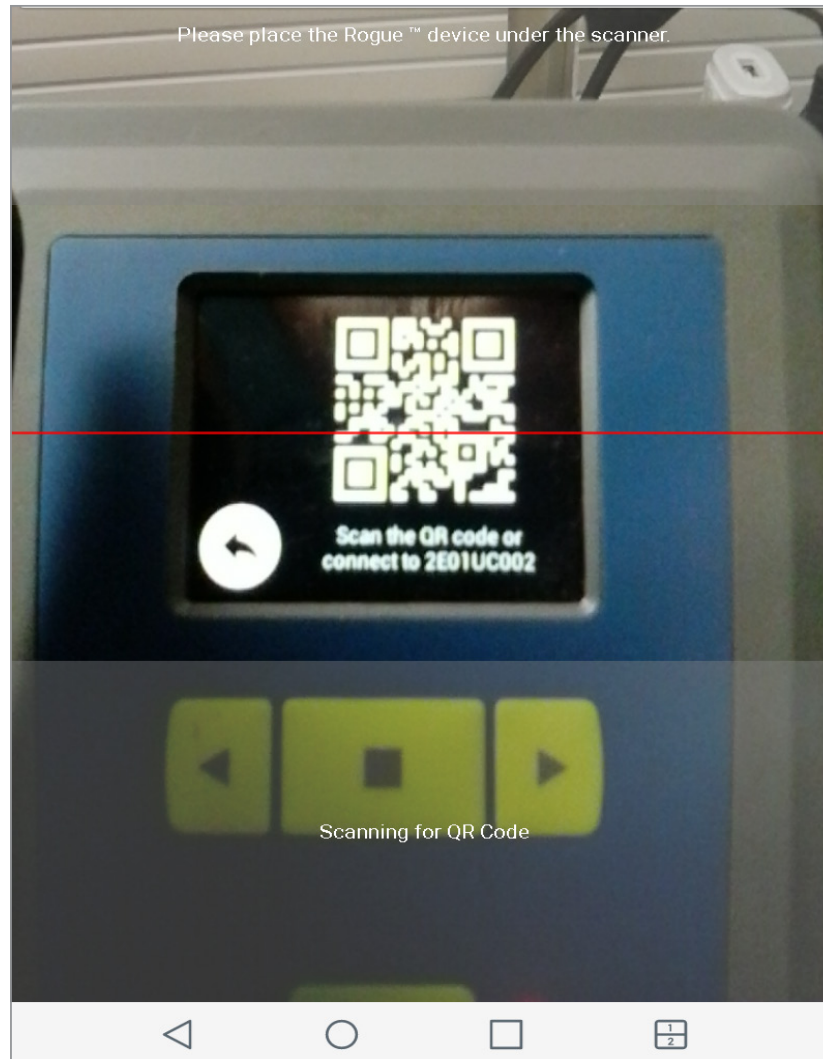


Figure 5: Turbo App Scanning Screen

Once a smart device connects to a cB1, the Turbo app main screen will show the cB1 base serial number as below.

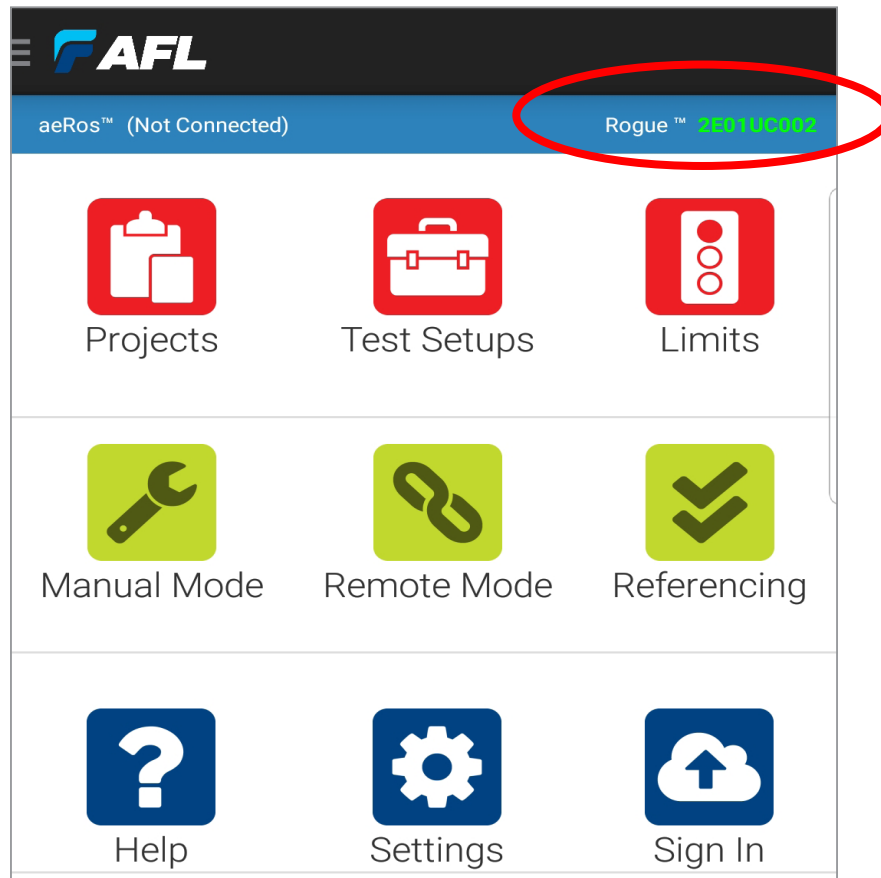


Figure 6: Turbo App Home Screen – Rogue connected

Summary

For more information on using Turbo OLTS app, see the Turbo User's Guide.

If you have additional questions regarding AFL's Rogue® Turbo OLTS testing equipment, please contact AFL Technical Support at +1 800-321-5298 (Option 3) or +1 603-528-7780.