

Workstation Connect



ZEBRA

Installation Guide

ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corporation, registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners.
© 2021 Zebra Technologies Corporation and/or its affiliates. All rights reserved.

Information in this document is subject to change without notice. The software described in this document is furnished under a license agreement or nondisclosure agreement. The software may be used or copied only in accordance with the terms of those agreements.

For further information regarding legal and proprietary statements, please go to:

SOFTWARE: zebra.com/linkoslegal

COPYRIGHTS: zebra.com/copyright

WARRANTY: zebra.com/warranty

END USER LICENSE AGREEMENT: zebra.com/eula

Terms of Use

Proprietary Statement

This manual contains proprietary information of Zebra Technologies Corporation and its subsidiaries ("Zebra Technologies"). It is intended solely for the information and use of parties operating and maintaining the equipment described herein. Such proprietary information may not be used, reproduced, or disclosed to any other parties for any other purpose without the express, written permission of Zebra Technologies.

Product Improvements

Continuous improvement of products is a policy of Zebra Technologies. All specifications and designs are subject to change without notice.

Liability Disclaimer

Zebra Technologies takes steps to ensure that its published Engineering specifications and manuals are correct; however, errors do occur. Zebra Technologies reserves the right to correct any such errors and disclaims liability resulting therefrom.

Limitation of Liability

In no event shall Zebra Technologies or anyone else involved in the creation, production, or delivery of the accompanying product (including hardware and software) be liable for any damages whatsoever (including, without limitation, consequential damages including loss of business profits, business interruption, or loss of business information) arising out of the use of, the results of use of, or inability to use such product, even if Zebra Technologies has been advised of the possibility of such damages. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

About This Document

Introduction

This guide provides information about developing applications for Zebra Workstation Connect.



IMPORTANT: If you have a problem with your equipment, contact Zebra Global Customer Support for your region. Contact information is available at: zebra.com/support.

Configurations

This guide covers the following configurations:

Configuration	Description	Device Compatibility
CRD-TC5X-1SWS-01	<p>TC5X Workstation Docking Cradle Kit with Std Cup, HDMI, Ethernet and multiple USB Ports.</p> <p>Included in kit:</p> <ul style="list-style-type: none">• Cradle (CRD-TC5X-1SWS1-01),• Power Supply (i.e. PWRBGA12V50W0WW)• DC Cable (i.e. CBL-DC-388A1-01). <p>Country specific AC line cord sold separately.</p>	All TC52ax Mobile Computers

Service Information

If you have a problem with your equipment, contact Zebra Global Customer Support for your region. Contact information is available at zebra.com/support.

When contacting support, please have the following information available:

- Serial number of the unit
- Model number or product name
- Software/firmware type or version number

About This Document

Zebra responds to calls by email, telephone or fax within the time limits set forth in support agreements.

If your problem cannot be solved by Zebra Customer Support, you may need to return your equipment for servicing and will be given specific directions. Zebra is not responsible for any damages incurred during shipment if the approved shipping container is not used. Shipping the units improperly can possibly void the warranty.

If you purchased your Zebra business product from a Zebra business partner, contact that business partner for support.

Installation

This document outlines the various methods to install Zebra Workstation Connect onto a mobile device. The sections below describe installing the application manually, via the StageNow application, or via XML.

After installing the Android 11 OS specific to the mobile device being used, the device uses Mirror Mode as the default when docked in a Zebra Workstation Cradle and connected to a HDMI monitor. If Mirror Mode is the required view mode, no further actions are required.

Zebra Workstation Connect Installation

Users can install the Zebra Workstation Connect on the mobile device manually by following the steps outlined in [Manual Installation](#), by downloading via StageNow and following the instructions in [Installing via StageNow](#), or by utilizing XML and following the procedure outlined in [Installing via XML](#).

Manual Installation

To manually install the application, follow the steps below.

1. Install the Zebra Workstation Connect APK on the mobile device.

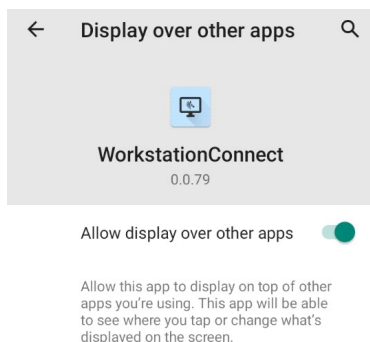
The Zebra Workstation Connect APK is required to be installed on the mobile device and provides features that enhance the user experience on an external monitor (secondary screen).

The APK (com.zebra.workstationconnect.release.apk) file can be installed on device following a standard process. For example: adb install <path to> com.zebra.workstationconnect.release.apk or save the file on the device and run it directly.

2. Grant the Zebra Workstation Connect APK permission on the mobile device.

Grant permission to deploy the APK over the other applications. To enable this, tap and hold the Workstation Connect application icon on the mobile device screen.

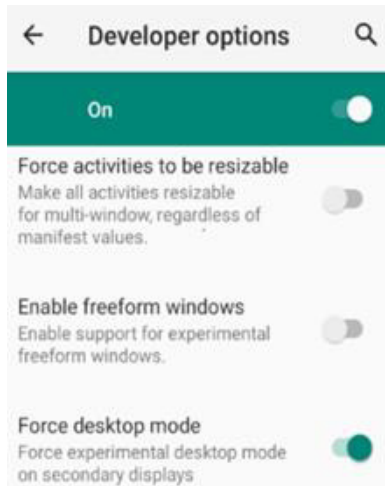
App Info > Advanced > Display over other apps > Allowed



3. Enable Desktop Mode on the mobile device.

Enable the following system settings on the mobile computer:

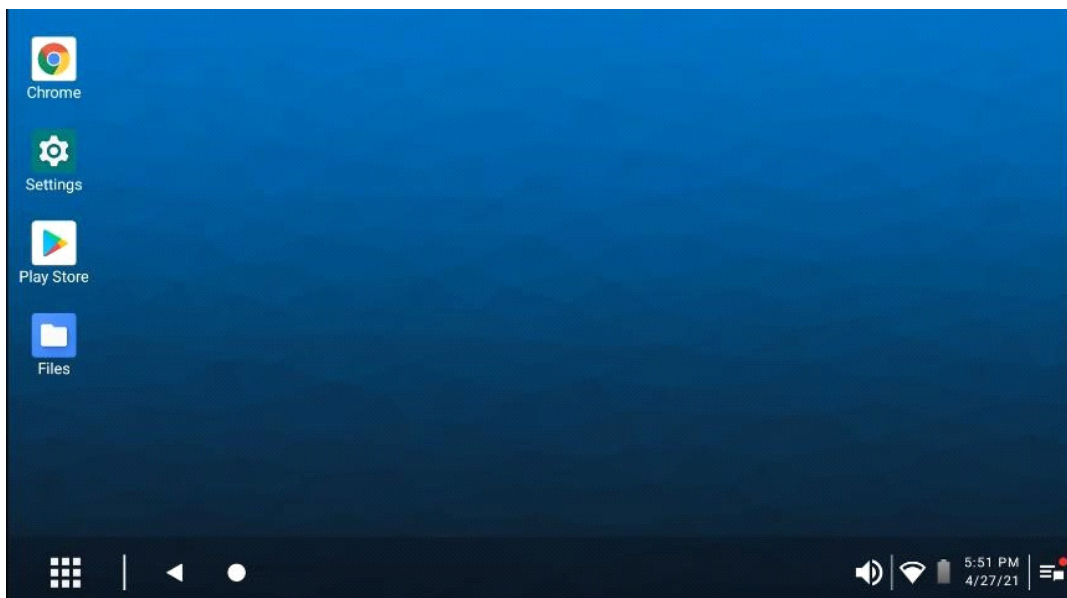
- Enable Developer Options: **Settings > About Phone > Build number 5 times.**
- Enable Desktop Mode on the Menu: **Settings > System > Advanced > Developer Options.**



NOTE: If the application is use is not designed to be resizable, enable **Force activities to be resizable**. It is recommended to review the behavior of all applications when utilizing Zebra Workstation Connect and enabling this option.

4. Perform a device reboot prior to docking the device into the Workstation Cradle.

Once the device is rebooted, docked into the Workstation Cradle, and connected to HDMI monitor, the mobile device displays the home screen and allows the user to launch and run applications. Simultaneously, the external monitor displays the home screen of Zebra Workstation Connect.



Installing via StageNow

Prior to the steps below, install StageNow v.5.2.0.1032 or higher and create a StageNow profile.

1. Configure an applicable network where the Zebra Workstation Connect APK can be downloaded over Wi-Fi.
2. Download the Zebra Workstation Connect APK to a suitable location on the mobile device using FileMgr. Refer to techdocs.zebra.com/stagenow/2-2/csp/file/ for more information about the usage of FileMgr.
3. Install the Zebra Workstation Connect APK using AppMgr. Refer to techdocs.zebra.com/stagenow/3-1/csp/app/ for information about the usage of AppMgr including installing an APK on the device.
4. Grant Zebra Workstation Connect APK permission to **Display over other apps** using AccessMgr. For more information, refer to techdocs.zebra.com/mx/accessmgr/. See the image below for more information about the usage of AccessMgr, including granting permissions to an application.

Permission Access Action: ?

Grant Permission to an Application

Permission Name: ?

System Alert Window

Application Package Name: ?

com.zebra.workstationconnect.release



5. Enable Desktop Mode on the mobile device using DisplayMgr. Refer to the image below for the DisplayMgr settings and Developer options to enable **Desktop Mode**.



StageNow

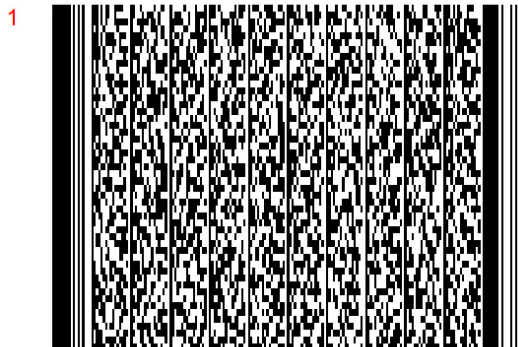
Profile Name:EnableDesktopMode_reboot

Barcode Type:PDF417

Minimum Compatible MX Version:10.2

Administrator Instructions: Scan this barcode using StageNow client to enable device desktop mode, this even reboots the device to switch from mirror mode to desktop mode

Scan Barcodes with StageNow Client:



6. Perform a device reboot prior to docking the device in the Workstation Cradle using PowerMgr.

Once the StageNow profile is created, a barcode can be generated and scanned to set-up the steps above on the mobile device.

Once the device is rebooted, docked into the Workstation Cradle, and connected to HDMI monitor, the screen of the mobile device displays the home screen and allows the user to launch and run applications. Simultaneously, the external monitor displays the home screen of Zebra Workstation Connect.

- Submit the following XML to MX to perform a device reboot prior to docking the device into the Zebra Workstation Cradle:

```
<!--Reboot Device-->
  <characteristic version="10.1" type="PowerMgr">
    <parm name="ResetAction" value="4" />
  </characteristic>
</wap-provisioningdoc>
```



NOTE: If other steps are implemented on the application, a device reboot is required.

Once the device is rebooted, docked into the Workstation Cradle, and connected to HDMI monitor, the screen of the mobile device displays the home screen and allows the user to launch and run applications. Simultaneously, the external monitor displays the home screen of Zebra Workstation Connect.

