

DEX Bluetooth Software DexSupervisor v1.5 for Android KK, L, M, N

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Introduction

Direct Exchange (DEX) is a digital communication protocol that extends the Uniform Communication Standard (UCS), it enables direct store delivery drivers to transmit digital invoices to the retailer's receiving clerk at the loading dock. Created by the Uniform Code Council (UCC), DEX has been adopted by most national grocery chains. This standardized system reduces time, costs and inaccuracies inherent in paper invoices. Originally designed in the early 1980's, the DEX protocols have been revised several times over the years. The most current version is 5030 version, released in 2006.

The DEX Supervisor application is a background service which performs electronic leashing between a mobile terminal and a DX30 device. This application is compatible with the KitKat, Lollipop and Marshmallow versions of Android and utilizes the Terminal I/O Bluetooth profile by use of the Stollman TerminalIO library. The purpose of electronic leashing between the terminal and the DX30 is to prevent the loss of the DX30.

Description

The DEXSupervisor_v_1.5 - DEX Supervisor will begin electronic leashing when a DX30 is first paired to the terminal and when a terminal that has already been paired with a DX30 is booted up. The process of beginning electronic leashing includes getting the MAC address of the DX30 from the terminal's paired list, scanning for available devices, detecting the DX30 with the correct MAC address, connecting to it, and then receiving the signal strength levels from the DX30 at an interval. If the signal strength that is received is under a set level, the terminal will alert the user of this. When a user starts to use Zebra's SmartDEX application on the terminal to perform DEX communications, the DEX Supervisor must stop monitoring the DX30 with electronic leashing. When the SmartDEX application completes its actions, the DEX Supervisor will resume electronic leashing to the DX30. Documents available at DX30 support page available at this link.

Thank you,

The Software Development Team

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Release Notes

Version 1.0

Support for additional devices - Android Lollipop devices.

Version 1.1

Support for additional devices - Android Marshmallow devices.

Version 1.2

Support for additional devices - Android Nougat devices.

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Components

DEXSupervisor_v_1.5 - DexSupervisor Application

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Installation

Refer respective software release notes prior to updating Mobile Terminals.

- Install DEXSupervisor_v_1.5.apk, which will allow e-leashing between Android mobile device and DX30 device.

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Usage Notes

- DexSupervisor is a background service which automatically starts when device restarts/reboots. User should not trigger the application manually.

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Device Compatibility

This software release has been approved for use with the following Symbol devices.

Android Operating System	Supported Devices
Kitkat	TC70 (GMS), TC70 (Non-GMS), TC75 (GMS),TC75 (NonGMS)
Lollipop	TC70 (GMS), TC70 (Non-GMS), TC75 (GMS),TC75 (NonGMS)
Marshmallow	TC70x (GMS), TC70x (Non-GMS), TC75x (GMS), TC75x (Non-GMS), TC51 (GMS), TC51 (Non-GMS), TC56 (GMS), TC56 (Non-GMS)
Nougat	TC70x (GMS), TC70x (Non-GMS), TC75x (GMS), TC75x (Non-GMS), TC20 (GMS), TC20 (Non-GMS), TC25 (GMS), TC25 (Non-GMS), MC33 (GMS), MC33 (Non-GMS)

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Last revised: January 1, 2018

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