

Setting Up Mobile Devices

Windows CE

1. Setup the Wi-Fi connection

Press the 'Connections' button → Select the 'Find WLANs' option → Select a network and press it → Press 'Connect'.

Adjust the profile settings in the 'Profile Entry' window. After pressing on the 'Finish' button, the profile will be active.



It is recommended to set the IP address to Manual Fixed IP instead of DHCP. Make sure that the suggested IP address is not in use. Another solution would be to leave the PDA in DHCP, and set the Fixed IP as a setting in the router's DHCP lease table.

To set the correct country open the 'Options' window. Select the 'Regulatory' option then select the country. Make sure that the 'Enable 802.11d' option is not checked.



Save the 'Profiles and Options' to the fixed memory of the scanner. In the 'Options' window select 'Export' from the dropdown menu. Press the 'Export All Profiles' button then press 'Save'.



2. Setup Remote Desktop Connection

Open the 'Remote Desktop Connection' window. In the 'General' tab, fill in the 'User name' and 'Password' fields.

In the 'Loc Res.' tab, select the keyboard setting 'On the local computer' from the dropdown menu. In the 'Exp.' tab, disable 'Themes'.

Then go back to the 'General' tab and save the settings to the fixed memory.



How to set up auto start

We recommend to set up the automatic start of Produmex WMS for the Windows RDP user. Open Computer Management and navigate to the Users folder via: System Tools > Local Users and Groups. Select the device from the list and choose the Properties option from the right-click menu.

On the opening Properties screen go to the Environment tab. On the Starting program section enable the 'Start the following program at logon' checkbox and add the file with its path to the 'Program file name' field.

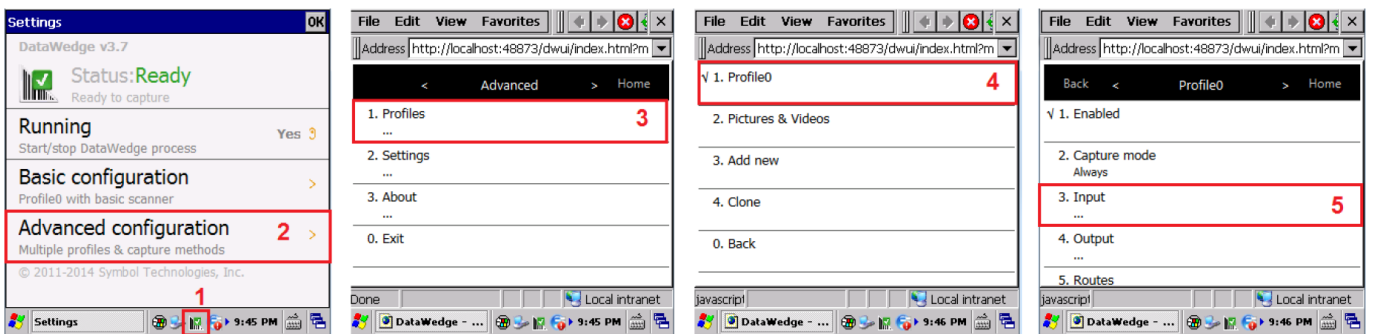
When configuring auto start this way, the RDP session is automatically logged of after the Produmex WMS application is closed.

Please note: The exact steps might differ from the steps described, depending on operation system used.

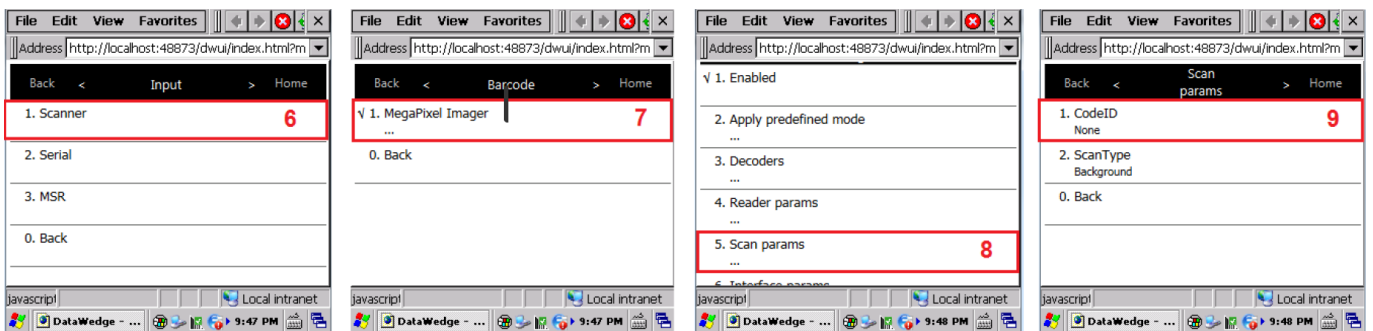


3. Setup config for standard DataWedge to send AIM ID's

1. Press the DataWedge icon
2. Select 'Advanced Configuration'
3. Select 'Profiles'
4. Select 'Profile0'
5. Select 'Input'

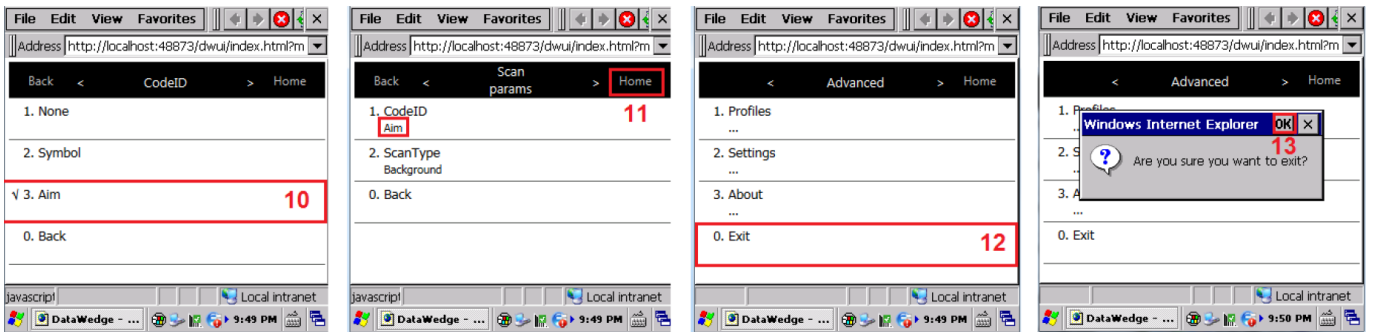


6. Select 'Scanner'
7. Select the scanner type
8. Select 'Scan params'
9. Select 'CodeID'



10. Set to 'Aim'. Press '0.Back' to go out of this screen.

- 11. Come back to this screen and check whether the CodeID is set to Aim. If yes, select 'Home'.
- 12. Select 'Exit'.
- 13. Click 'OK' to confirm exit.



4. Setup for power usage (Recommended)

4.1. Automatic sleep mode

Go to control panel → Power → Advanced tab → 'On Battery power' setting

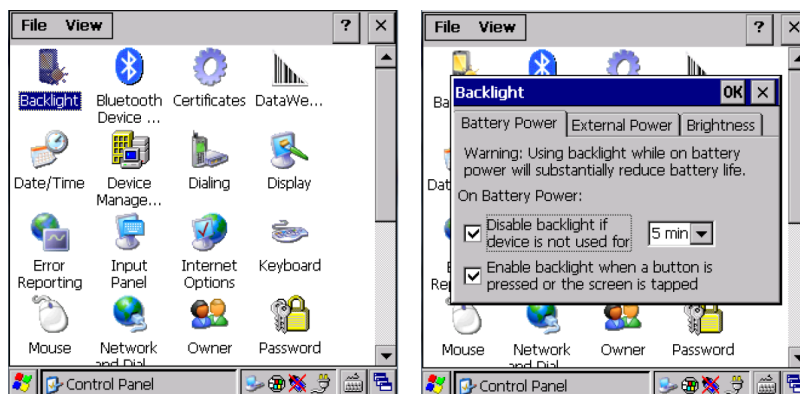
To set an interval, choose an interval (mx 5 min) from the dropdown list.

To turn off the automatic sleep mode, uncheck the box. The device will never go into sleep mode.



4.2. Backlight

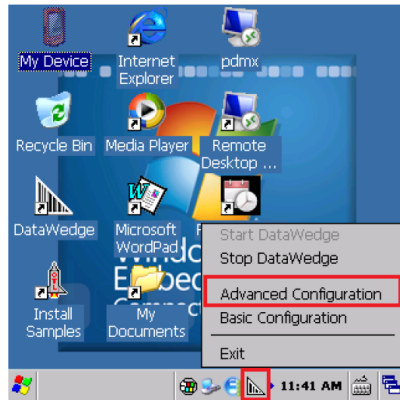
It is possible to set up so that the back light is cut after a certain amount of time or not at all. You can choose this yourself, depending on the intensity of your battery usage. We recommend to set the backlight with a timeout, because this is the main battery consumer.



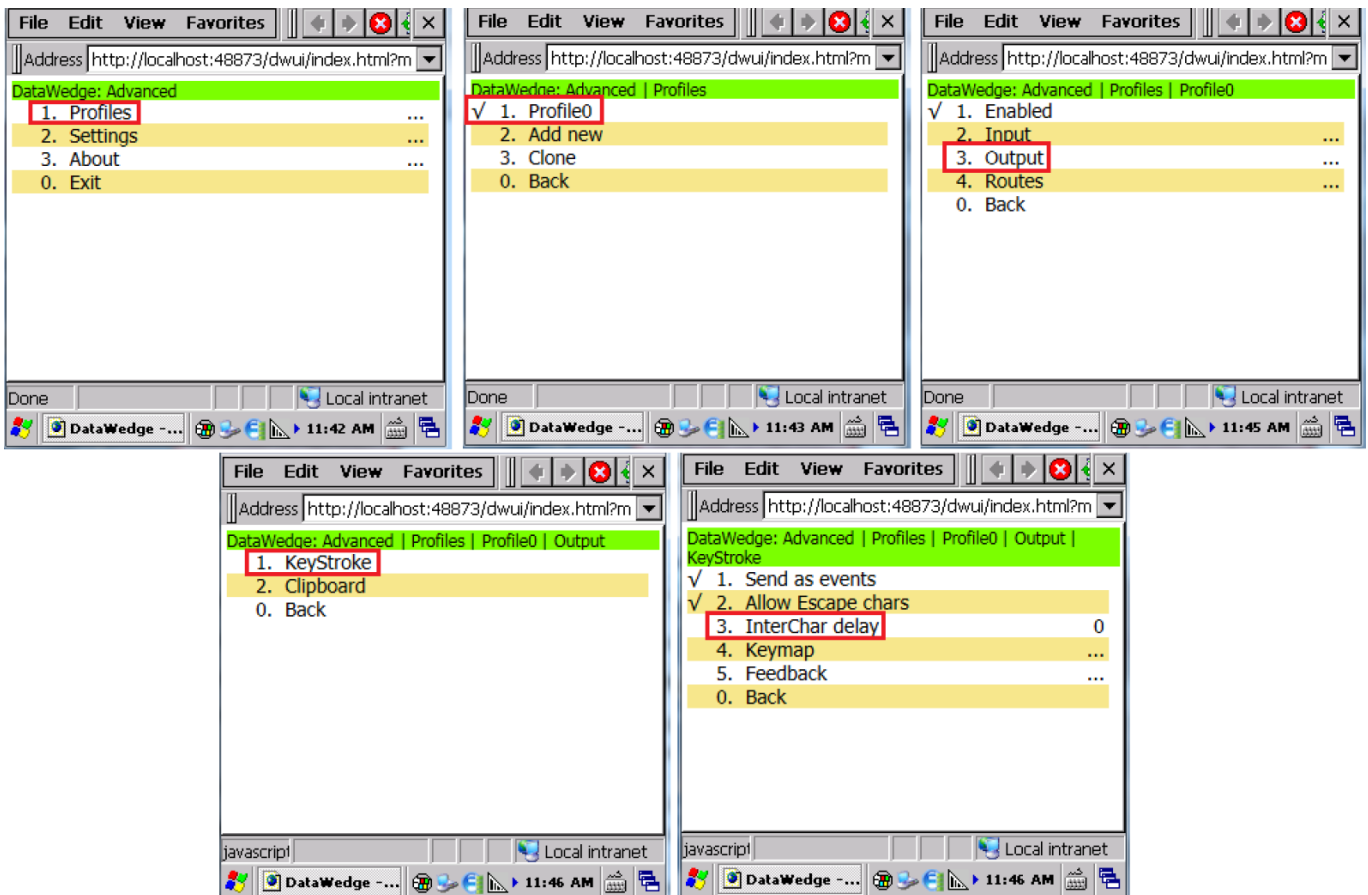
5. Change Intercharacter delay setting

When the gun is sending chars too quickly through the RDP, it might cause incorrect character display on the scanner.

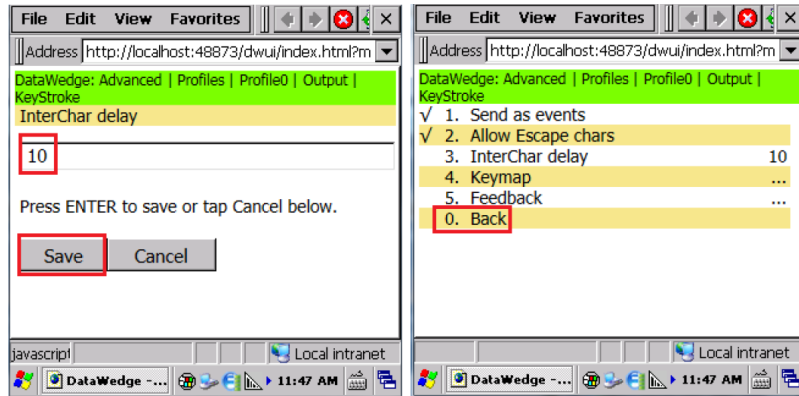
To avoid this issue, setup interchar delay on DataWedge. Go to the 'Advanced Configuration' menu.



Follow these steps: Profiles > Profile0 > Output > KeyStroke > InterCharacter Delay



Specify "10" into the text box, and press Save. Go back until you come back to the main screen and then 0.Exit.



6. How to access the memory slider bar

1. Select Start > Settings > Control Panel.
2. On the Control Panel scroll down until you see the 'System' icon. Double click on the icon. The System Properties screen will open.
3. Go to the 'Memory' tab. A slider bar will show on the screen with the following verbiage: *Move the slider to the left for more memory to run programs. Move it to the right for more storage space. Only unused RAM (dark portion of the slider bar) can be adjusted.*



7. Screenshot tool for Windows CE

Before connecting the device, make sure you have an USB dongle for the connection. Also make sure that the Windows Mobile Device Center is installed on your PC. If not, download it from the following link: <http://www.microsoft.com/en-US/download/details.aspx?id=14>

After connecting the device to the PC, the Windows Mobile Device Center will start automatically. Select the 'Connect without setting up your device'. On the next screen, select 'Browse the contents of your device' from 'File Management'. The menu of the device will open in a new window.



Download the screenshot tool from the Produmex FTP:

<ftp://public:Avaya789@ftp.produmex.name/Hardware/ScreenshotTool/ScreenshotTool.zip>

Extract the .zip file. Copy the *terminal.exe* and paste it onto the device through the Windows Mobile Device Center. It is recommended to paste it into the 'My Documents' folder.



On your PC, execute the *PC.exe* file from the Screenshot Tool folder. This will open a window where the scanner screen will be displayed after the connection setup.

On the device, execute the *terminal.exe*. Press 'Ok' on the 'About CERDisp' window. On the 'Remote Display Control' window, press 'Connect'. ON the next window add the hostname to the 'Hostname' field then press 'Ok'.



Now the screenshot tool is running on your PC and the device can be accessed through the previously opened window.



Android

1. Setup Wi-Fi connection

Set up the Wi-Fi connection on the device from Android settings.

2. Setup Remote Desktop Connection

Install Remote Desktop on your device. If the device has access to Google Play, install the Microsoft Remote Desktop app from Google Play, otherwise download the Microsoft Remote Desktop .apk file and install it manually on the device.

Open the Remote Desktop app and set up your connection.

Press the '+' icon and select 'Desktop' to add a new connection. Press 'ADD MANUALLY'.



Enter the IP address or the host name as the *PC name*. Add the user account by entering the user name and password.



Press 'Show additional options' and select 'Customize display resolution' from the expanded menu.

The handheld fat client is designed to work on a 240x320 resolution. If the resolution of the device is greater than 240x320, custom display settings are needed.


Press 'Show additional options' and select 'Customize display resolution' from the expanded menu.

Enable the custom display resolution and add a custom resolution and scaling. The optimal resolution and scaling depends on the device. Finding the optimal resolution and scaling might require some trial and error.

Please note: Scaling is available beginning from Windows 8.1 and Windows Server 2012 R2.



Go back to the Add desktop menu and press 'SAVE' to save your configurations.

Open remote desktop and press the  icon. Set the mouse mode to 'Touch'. Press the 'Touch' icon on the right sidebar. The mouse mode is 'Touch' if the 'Mouse Pointer' icon is displayed.



2.1. Display settings

We recommend to set the orientation as 'Portrait'. This can be done in the following ways:

2.1.1. Remote desktop

Set the orientation of the Remote Desktop app to Portrait. Open the app settings and select the 'Display' menu. Set the Orientation to 'Lock to portrait'.



2.2.2. Device

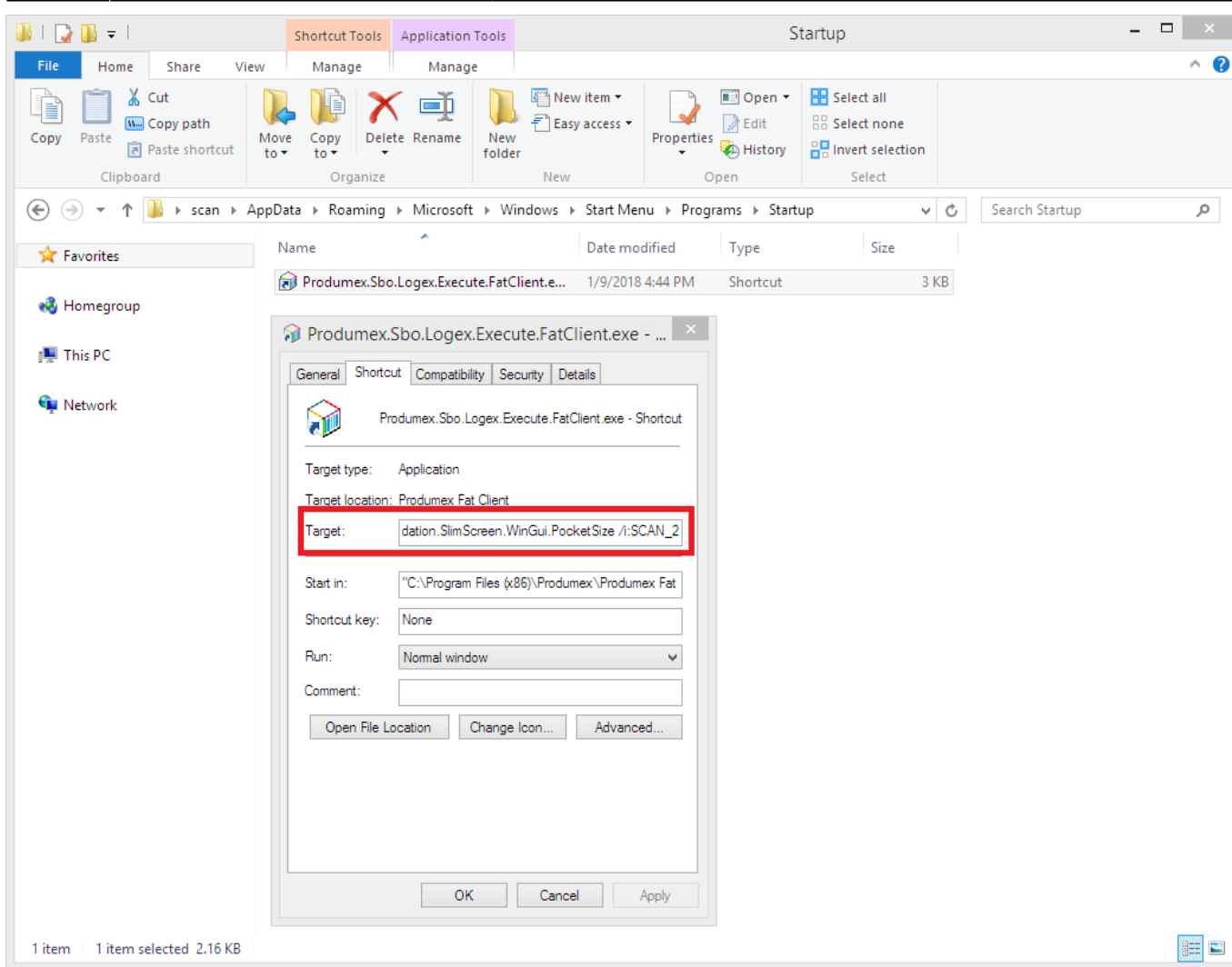
Set the orientation of the device to Portrait or disable Auto-Rotate on the device.

3. Configure automatic start

We recommend to configure Produmex WMS to start automatically on connection. This can be done in the following ways:

3.1. Startup folder shortcut

Create a shortcut in the Startup folder. Please note: The location of the Startup folder depends on the operating system version. On the 'Shortcut' tab of Properties add the access path and the startup [configurations of the fat client](#) to the Target field.

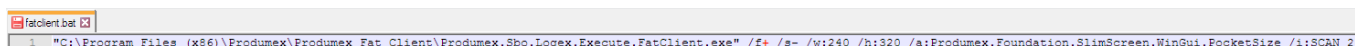


3.2. Batch file

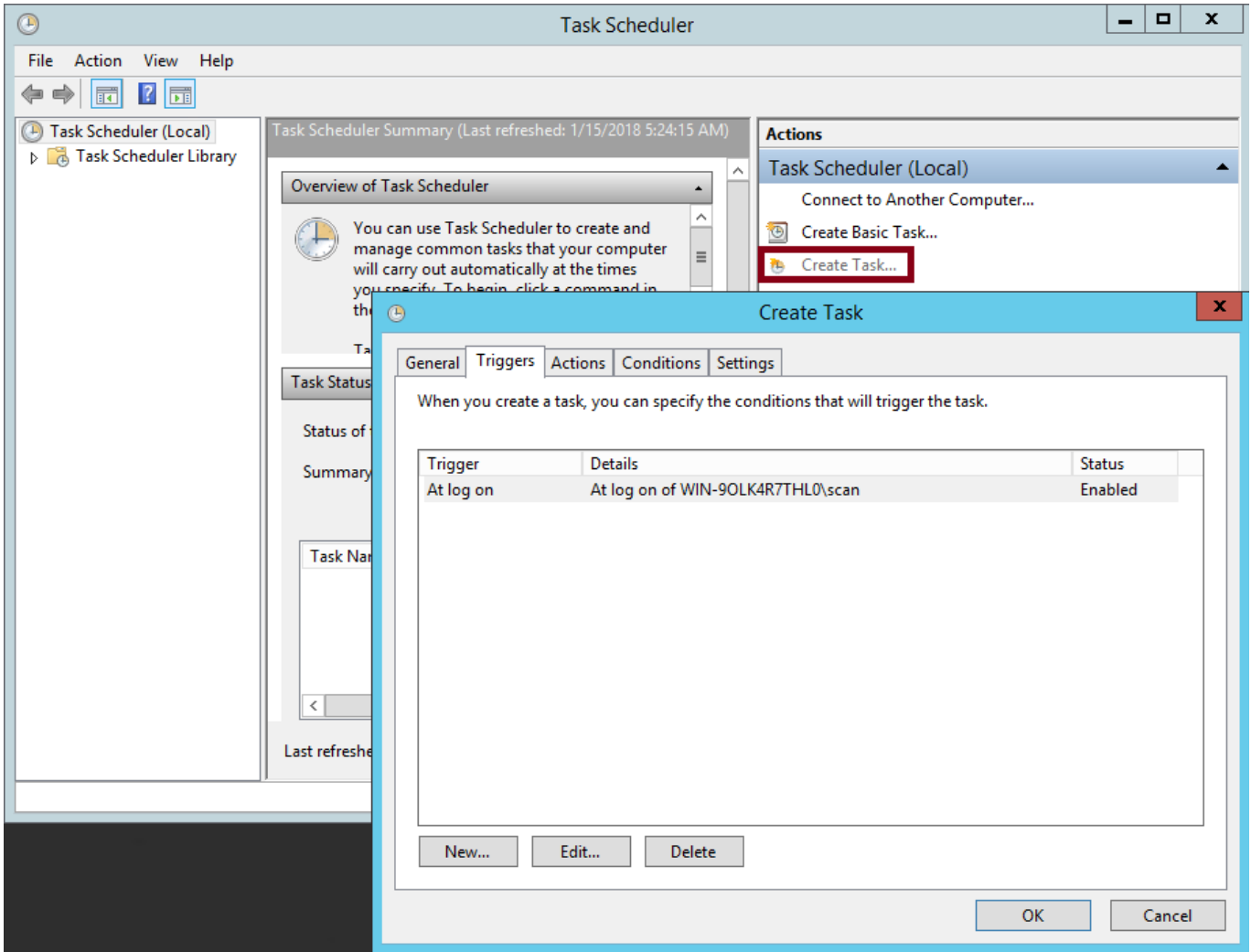
Create a batch file containing the access path and the startup configurations of the fat client.

Example:

```
"C:\Program Files (x86)\Produmex\Produmex Fat Client\Produmex.Sbo.Logex.Execute.FatClient.exe" /f+ /s- /w:240 /h:320 /a:Produmex.Foundation.SlimScreen.WinGui.PocketSize /i:SCAN_2
```



Create a scheduled task for the batch file that is triggered at log on.



4. Scanning configurations

On most systems scanning settings are assigned to profiles. By default the settings of the default profile are applied, but it is possible to create specific profiles for applications. Profile handling may differ based on the device.

Set the following scanning configurations for the profile you would like to use:

1. Set the code type to AIM ID.
2. Set to send ENTER after the barcode data

Configuration steps may differ based on the device and the Android version. This documentation includes the configuration steps for the following:

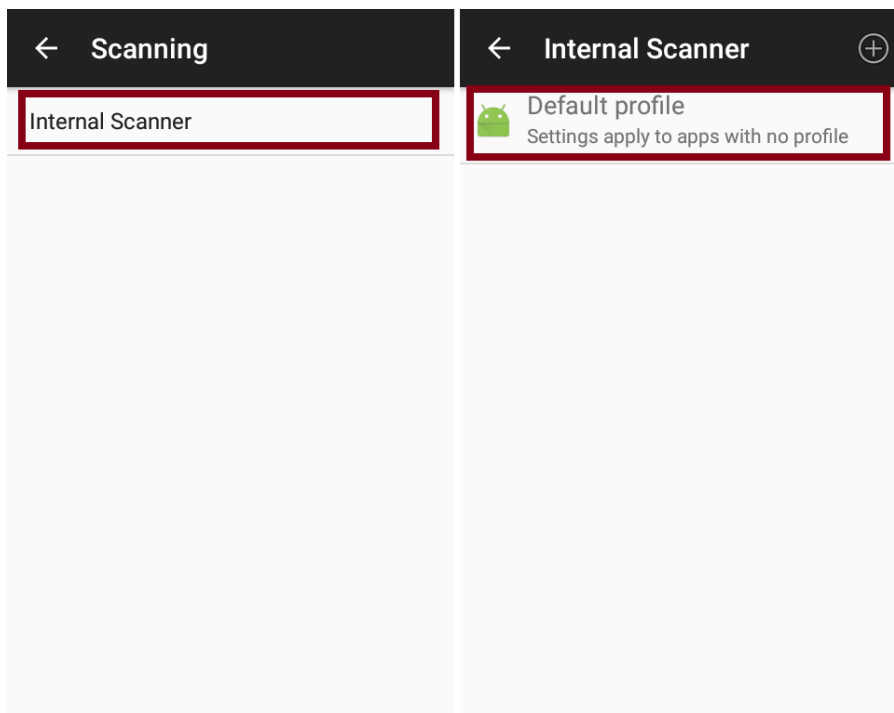
- Honeywell Dolphin 75e – Android 6.0.1.
- Zebra MC9200 – Android 4.4.4.

4.1. Example 1: Honeywell Dolphin 75e - Android 6.0.1

Open Android Settings. From the Honeywell settings select 'Scanning'.



Press 'Internal Scanner' and select the profile you would like to use from the list of profiles.



Press 'Data Processing Settings'. In the Data Processing Settings menu set the Symbology Prefix to 'AIM'. To send the ENTER key after the barcode data, add '\r' as the Suffix.



4.2. Example 2: Zebra MC9200 - Android 4.4.4

Open the DataWedge app. Select the profile you would like to use from the list of profiles.



From the BARCODE INPUT plugin select 'Scan params'. Press 'Code Id Type' and set the code ID type to AIM.



From the KEYSTROKE OUTPUT plugin open 'Basic data formatting' and enable the 'Send ENTER key' setting.



5. Setup for power usage

We recommend to adjust the following settings in order to save on power usage:

5.1. Sleep mode

Adjust the sleep mode settings.

5.2. Backlight

Adjust the backlight settings. The configuration steps depend on the device.

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