



AML LDX10 Handheld Striker Mobile Computer User Manual

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AML

AML LDX10 Handheld Striker Mobile Computer



Get Started

DC Console

1. Download DC Console at <https://www.amltd.com/Software/DC-Software/>
2. Locate the downloaded package in your file system and double click on it to start to installing.
3. Follow the instructions of the installation wizard to complete the installation.

IMPORTANT: If you are prompted to install an AML Driver during the installation process, click Install to install the driver. This is important for device communication.

DC Sync

1. Download DC Sync at <https://www.amltd.com/Software/DC-Software/>
2. Locate the downloaded package in your file system and double click on it to start to install.
3. Follow the instruction of the installation wizard to complete the installation.

IMPORTANT: If you are prompted to install an AML Driver during the installation process, click Install to install the driver. This is important for device communication.

DC Console

Creating a New Suite

1. Click on the New Suite button in the Open Suite Options
2. Type a name to save the Suite in the File Explorer popup

3. You can now start editing the new Suite (see 2.3)

Load an Existing Suite

Loading Suite from File

1. Click the File button in the Suite Popup Menu
2. Select the Suite file you would like to load
3. You can now start editing the existing Suite (see 2.3)

Loading Suite from Device

1. Connect an AML device with DC Suite on it to DC Console
2. Click the Device button in the Suite Popup Menu
3. You can now start editing the existing Suite (see 2.3)

Apps Tab

Note: Make sure you have the Suite you want to edit loaded before starting (see 2.1 and 2.2)

Suite Popup Menu

File option loads a Suite from a file on your PC. Factory option loads the default Suite. Device option loads the Suite from a connected device.

Suite App List

Lists the apps in the currently loaded Suite.

Save Suite Options

Saves the currently loaded suite to the PC.

Open Suite Options

New Suite creates a new blank Suite for editing. Open Suite opens a saved Suite for editing.



Suite App Options

New App creates a new app in the currently loaded Suite. Delete App deletes the selected app from the Suite. Copy App creates a copy of the selected app to the Suite. Copy App To creates a copy of the selected app to a Suite that is selected from the file system on the PC.

Send To Device

Sends the currently loaded Suite to a connected device.

Currently Loaded Suite

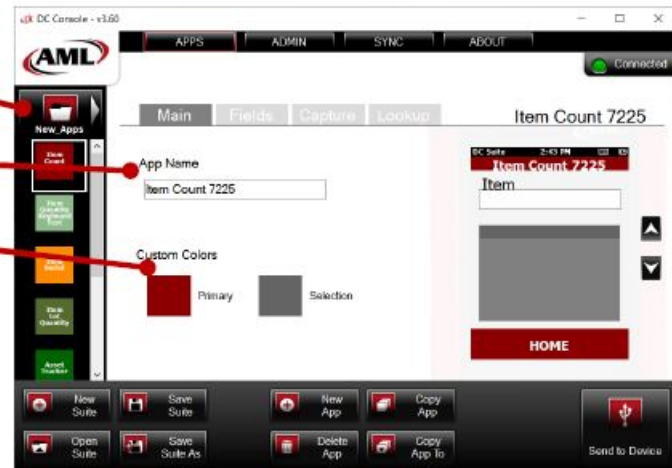
The name of the currently loaded Suite.

App Name

Set the name of an app.

Custom Colors

Set the primary and selection colors for an app. Select colors from the dialog box that appears.



Fields Tab

Under the Fields tab, users can add and remove fields. Also, users can set the name and order of each field within the app.

Field Name

Set the name of each individual field.

Field Order

Click and drag the up/down arrow icon to change the field order.

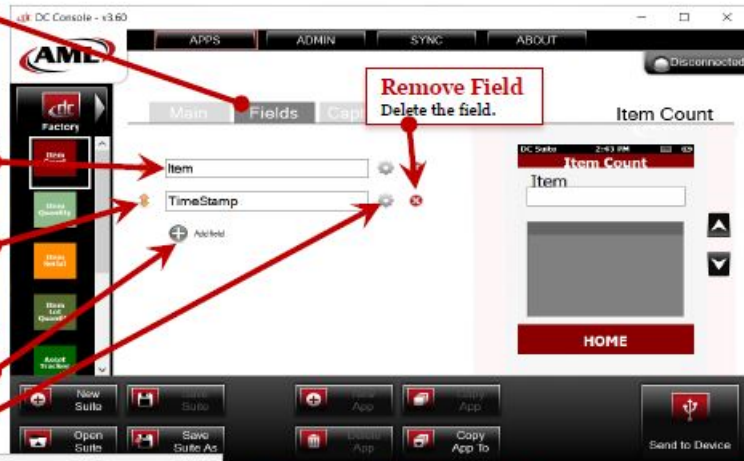
Add Field

Add a field to the app.

Field Settings

Set 'Field Type' to a text field, radio button or label. Select the input method to receive data from the keyboard, scanner, or both. Format the data by setting allowable characters, character case, and default value. Other properties include setting a lockable field, 'lock field on data entry' behavior, hiding a field, and field length.

(Field Settings dialog box seen on right)



Remove Field

Delete the field.

Field Types (dialog box on left)

Input Field: The default input method that gets its input from the user, from a lookup file, or have some predefined text assigned to it.

Time Stamp: Input is a defined text format representation of the date and or time as read from the operating systems current date/time.

Radio Buttons: Any number of 2-6 predefined text values assigned to the input that is selected by tapping on one (and only one) of the defined check boxes. These were originally radio button types of objects that were changed to be more like check boxes.

Label: This is just a text box that displays on the screen. It does not accept input and is not stored with any of the collected data.

Increment Field: This is used in conjunction with an input field and is an 'addition of associated quantities' type of input. For example, if the user collected an input of abc123 and gave it a quantity of 1, then abc123 and 1, then abc123 was collected with a quantity of 3, there would be two records collected. One record of abc123 with a quantity of 4 and one record of abc123 with a quantity of 1.

Capture Tab

Under the Capture tab, users can link data columns to the appropriate fields, set the data file path, sort the data file columns, and more.

Data File Path

Set the path of the data file.

Sort Data

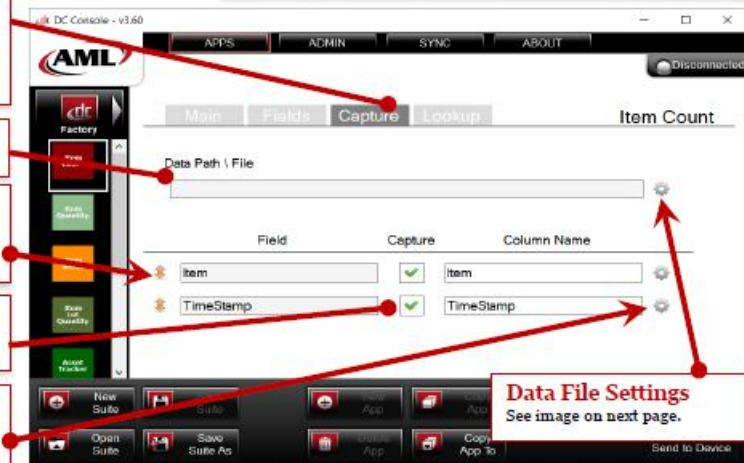
Click and drag the up/down arrow icon to move fields or columns within the data file.

Capture Link

Set whether the field data should be captured.

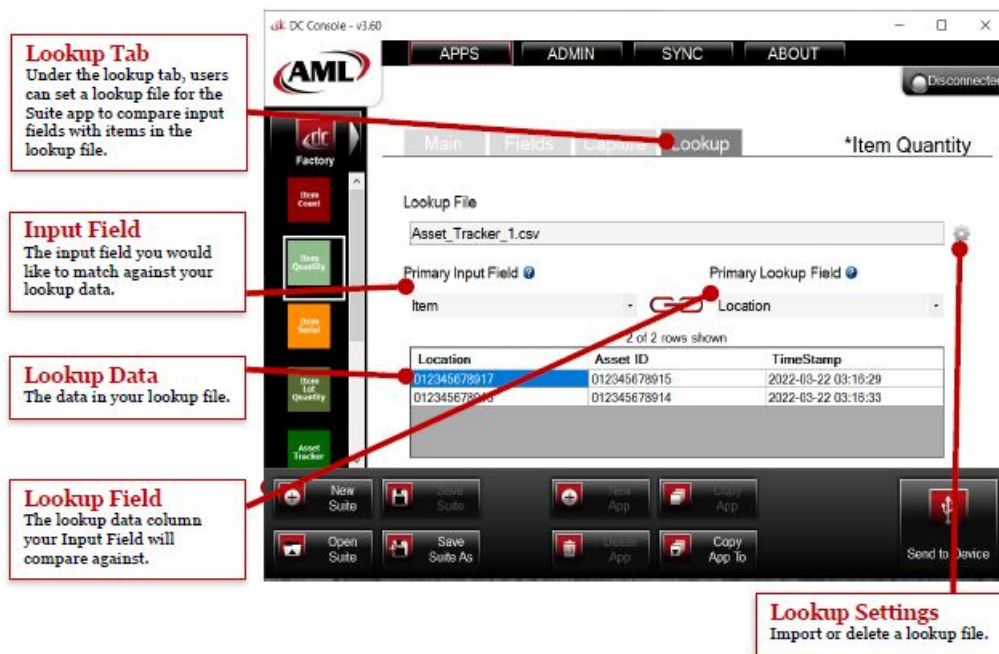
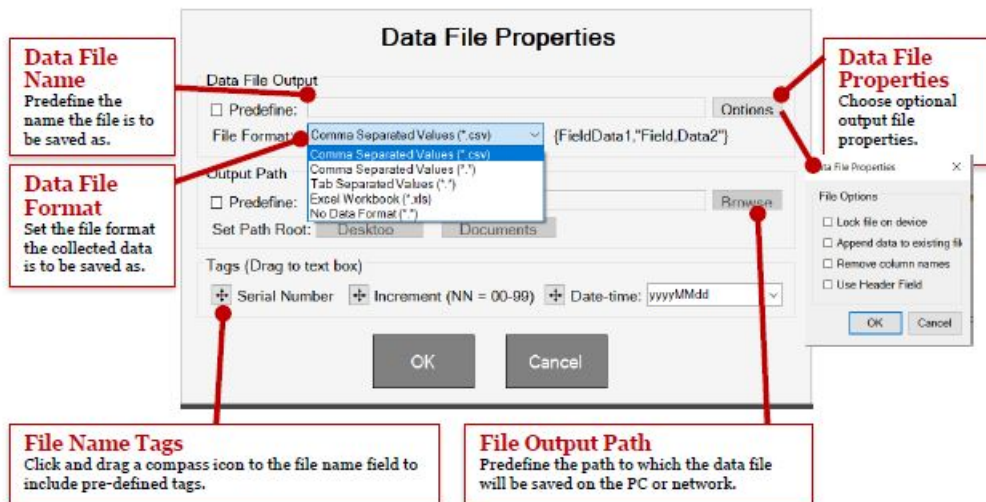
Field Settings

Add a prefix or suffix to the field data and column name.



Data File Settings

See image on next page.



Create a Suite App

1. Click on the New App button in the Suite App Options
2. A new app is now created that can be edited (see 2.3.2)

Edit a Suite App

1. Click the app that you want to edit in the Suite App List
2. The selected app is now in view and can be edited

2.3.2.1 App Name

1. Type a name for the app. This can be anything, but it cannot have the same name as another app in the Suite.

Custom Colors

1. Select the primary color for your app. This will be the main color of the app.
2. Select the selection color for your app. This will be the secondary color of the app.

App Fields

Note: Field names must be unique in the app that you are editing.

1. To add a field to your app, click the Add field button.
2. To delete a field from your app, click the Remove Field icon.
3. To configure the settings for a field, click the Field Settings icon to edit.

Lookup

1. Click the Lookup Settings icon to configure the lookup settings.
2. Click the Import button in the Lookup Settings to select a lookup file to import.
3. Set the Input Field.
4. Set the Lookup Field.
5. The Suite is now configured to use this lookup feature.

Deleting a Suite App

1. Click on the app you want to delete in the Suite App List.
2. Click the Delete App button in the Suite App Options.

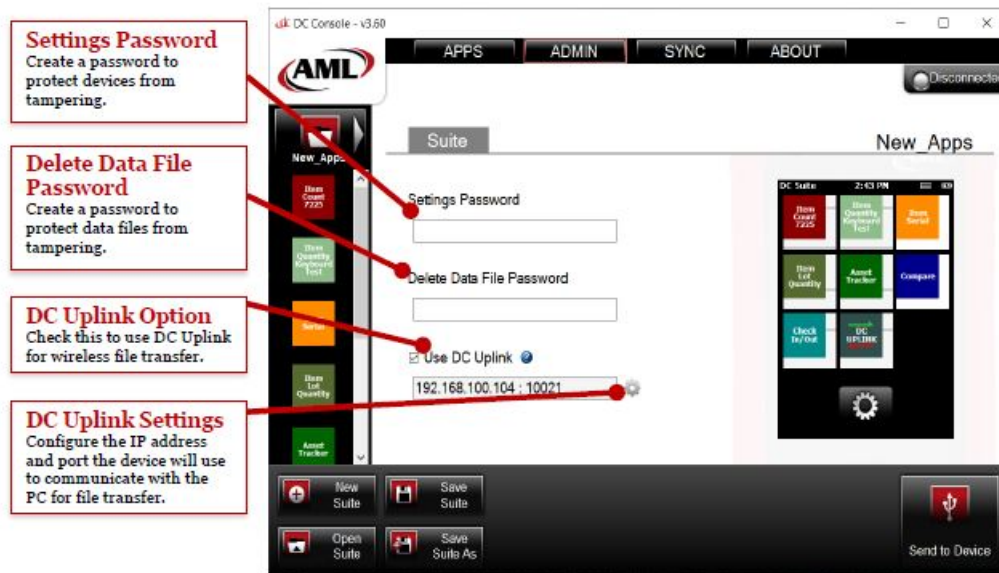
Copying a Suite App

1. Select the app you want to create a copy of in your Suite from the Suite App List.
2. Click the Copy App button in the Suite App Options.
3. A copy of the app will be made in the Suite with a modified App Name.

Copying a Suite App to Another Suite

1. Select the app you want to copy from the Suite App List.
2. Click the Copy App To button in the Suite App Options.
3. Select the Suite file that you want to copy the app to from the file explorer.
4. The App will be copied to the selected Suite file.+

Admin Tab



Settings Password

1. Type a password in the Settings Password box.
2. This sets a password for the user to exit DC Suite on the device.

Delete Data File Password

1. Type a password in the Delete Data File Password box.
2. This sets a password for the user to delete a data file from DC Suite.

DC Uplink Settings

1. To configure DC Uplink for the device Suite, check the box that says Use DC Uplink.
2. Click the gear icon to open the DC Uplink configuration.
3. Select an IP address from the list of available IP addresses.
4. Type a port number.
5. The Suite is now setup for DC Uplink.

Send Suite to Device

1. Connect an AML Device with DC Suite on it to DC Console.
2. Click the Send to Device button at the bottom of DC Console.
3. Sending a Suite to a device will erase all DC Suite data files on the device.

Sync Tab

USB Tab

Device Data Files
Select the data files to be queued for transfer.

Move to Queue
Move selected device data files to transfer queue on right.

Move All to Queue
Move all device data files to transfer queue on right.

Clear List
Click to clear transfer queue on right.

Refresh
Click to refresh the device data file list.

Save to Path
Set the path to save the queued data files. Also, set other procedural options like deleting or overwriting data upon transfer.

Update Device DC Suite
Check if you want DC Console to update DC Suite on the device when it is connected.

Device USB Mode
Select the USB mode that your devices use to communicate. Either AML Serial USB or WMDC Legacy.

Transfer Queue
List of data files queued for transfer from the connected device.

Fetch
Once the proper files are in the transfer queue, click 'Fetch' to download the files.

DEVICE USB MODE:

AML Serial USB: Keep this selected if you want your device to communicate over Serial USB.

WMDC Legacy: Keep this selected if you want your devices to communicate over Windows Mobile Device Center Legacy (not recommended)

Network Tab

Device Connection History
Lists the device connection history, status, serial number, IP address, and last time connected.

Device File History
Lists the files received from the selected device.

Clear Views
Clears the Device File History List.

Delete History
Clears the Device Connection History List.

Server Settings
Configure the IP address and Port for the server.

Start/Stop Server
Click to start the server so it can receive incoming device files.

Server Settings



Fetching Files from a Device

USB Mode

1. Run DC Console and navigate to the Sync Tab
2. Make sure you have a Default Save Path selected and file options configured.
3. Connect a device via USB cable
4. When the device is connected, DC Console will Sync the device files into the Device Data Files list.
5. Click the Move All to Queue arrow button to move the files into the Transfer Queue
6. Click the Fetch button.
7. When the process is finished, you will get a report on the success of the fetch process.

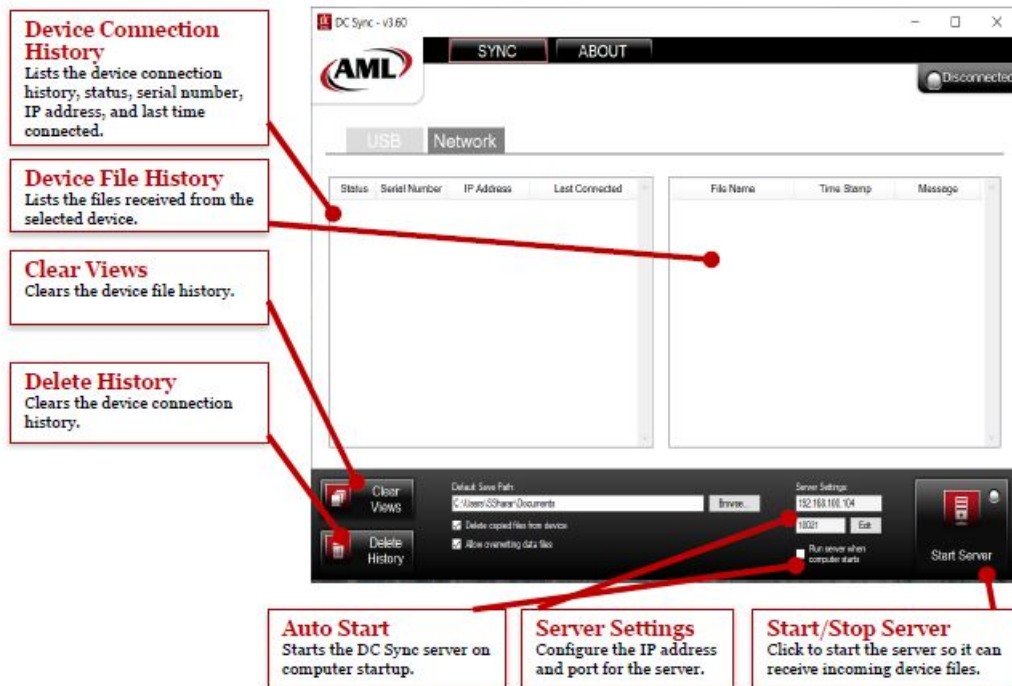
Network Mode

1. Run DC Console and navigate to the Sync Tab
2. Click on the Network tab
3. Make sure you have the correct IP address and Port configured in the Server Settings
4. Make sure you have a Default Save Path selected and file options configured.
5. Click the Start Server button if it is not already running.
6. See Section 4.1.8.3 to initiate the file sync from the device. Once you complete this process, the Device Connection History and Device File History in DC Console Network tab should be populated with a progress report.

DC Sync

Sync Tab

USB Tab



Fetching Files from a Device 3.2.1 USB Mode

Note: See Section 2.7.1

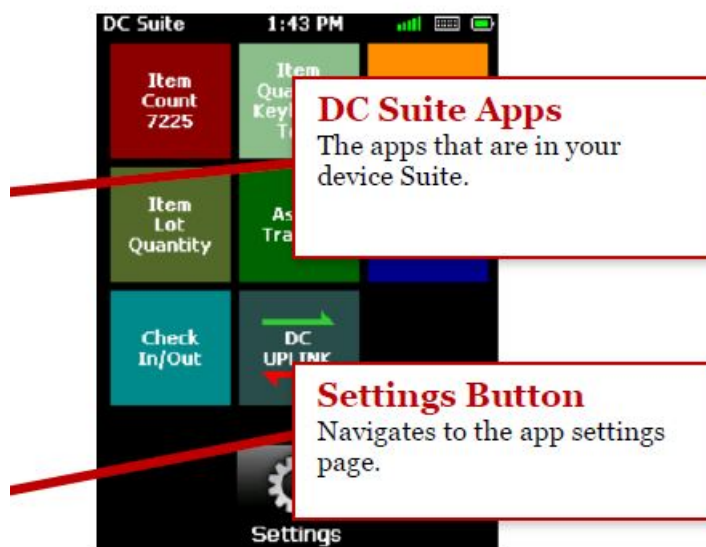
Network Mode

Note: See Section 2.7.2

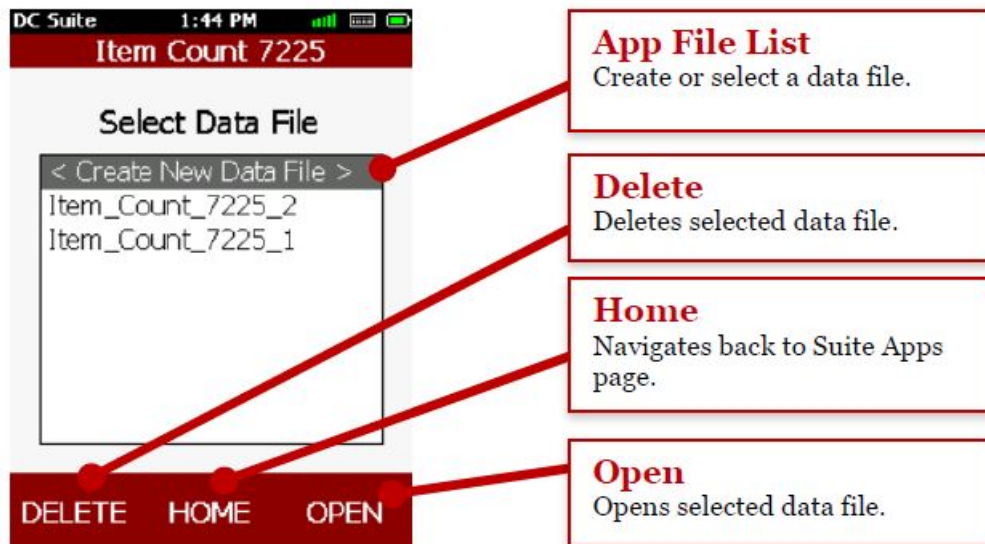
DC Suite

Application

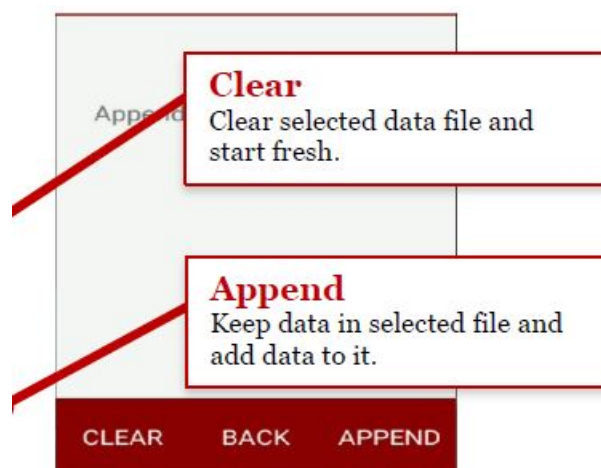
Suite Apps



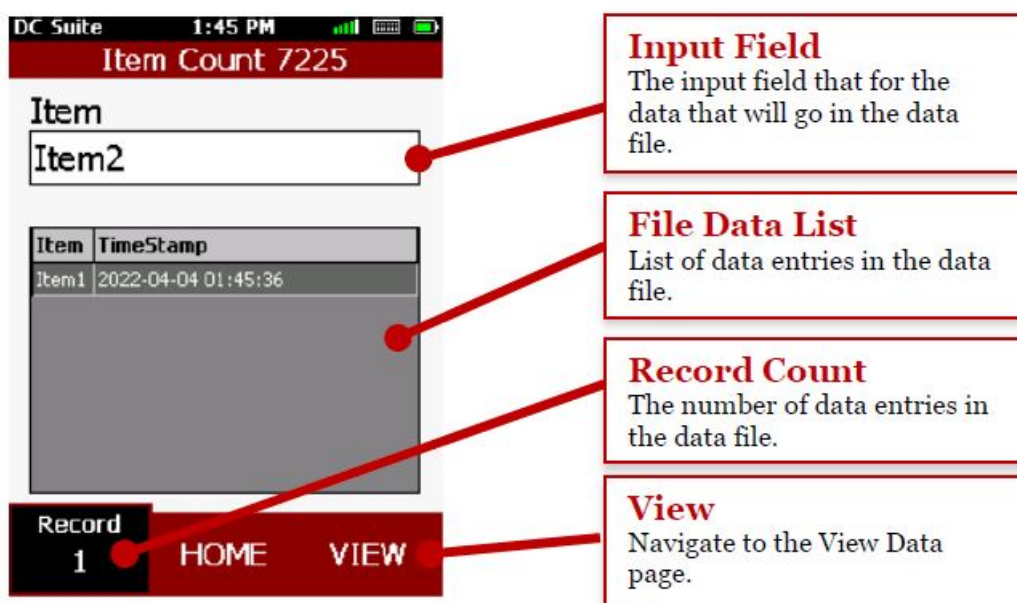
Creating App Data File



Editing App Data File



Input Data



View Data

Item Count 7225

Item	TimeStamp
Item2	2022-04-04 01:46:42
Item1	2022-04-04 01:45:36

Record 2/2 **BACK** **EDIT**

Scroll Data
Scroll the data entry list.

Selected Index
The selected record indexes.

Edit
Edit the selected record.

Edit Data Entries

Item Count 7225

Item
Item2

DELETE **BACK** **SAVE**

Data Entry to Edit
The data entry to edit.

Delete
Delete the data entry.

Save
Save the edited data entry.

Compare App

Compare

Lot Item

Item

Item1
Item1

HOME

Lot Item
Entry to compare against Item.

Compare Type
Equals or Not Equals.

Item
Entry to compare with Lot Item.

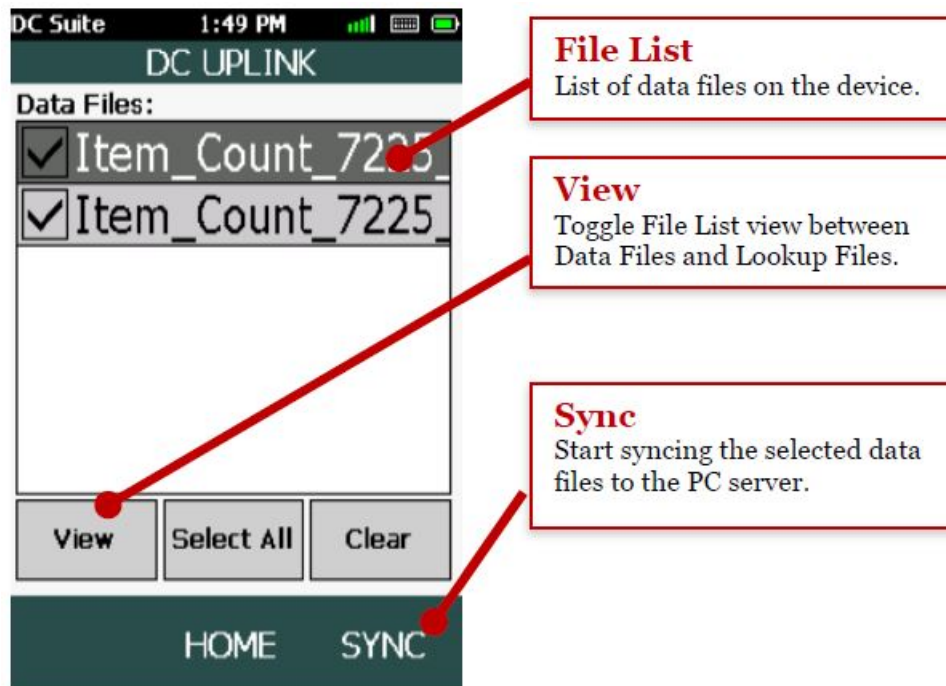
Compare Result
Green if the comparison returns true, otherwise it is red.

Note: Make sure your Suite holds the correct IP address and port to use with DC Uplink. If this has not been configured, follow the directions in Sections 2.4.3 and 2.5 to send a Suite to the device with DC Uplink configured.

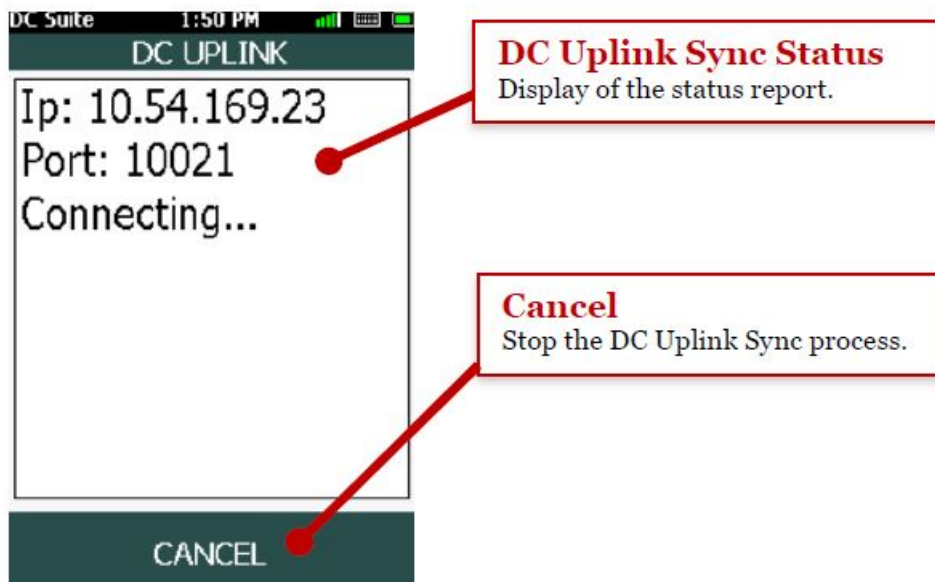
DC Uplink License (Windows Only)

To license DC Uplink for your device, you will need to scan the activation barcode when clicking on the DC Uplink app in DC Suite. You will be prompted to scan the activation barcode if your device is not already registered. If you do not have an activation barcode, contact AML Sales or your AML distributor to obtain one.

Select Files



Syncing

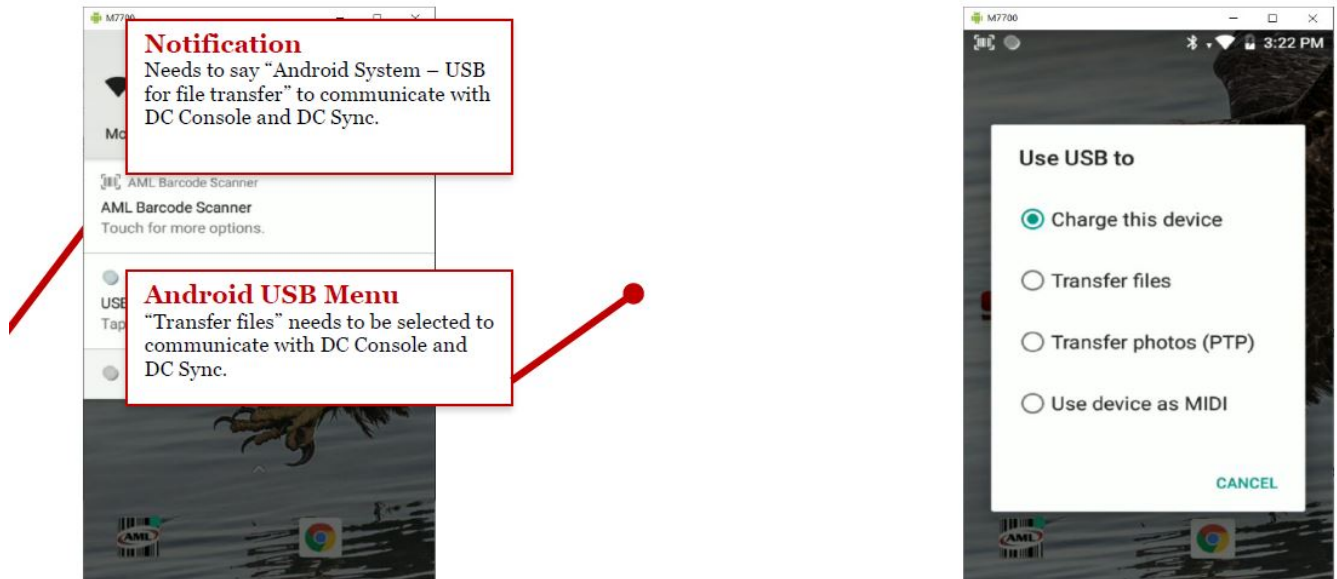


Troubleshooting

Troubleshoot Scepter/Striker Connection

Check Communication Type

1. While the device is connected to the PC via USB, scroll down from the notification bar to display the notifications.
2. Make sure there is a notification that says “Android System – USB for file transfer”
3. If the notification says, “Android System – USB charging this device”, click on the notification to open the Android USB Menu
4. Click the option that says “Transfer Files”



Troubleshoot LDX10 and TDX20 Connection

Determine Communication Mode

1. Connect the device to your PC via USB cable
2. Navigate to Device Manager on your PC
3. The device will show up in Device Manager in one of the following ways: Serial Communication Mode:

Troubleshoot Serial Communication Mode

1. Navigate to the Control Panel on the device.
2. Click on the Remove Programs button.
3. Make sure both AML DC Suite and AML Suite Communication are listed in the Remove Programs List. If either one is not installed, go to Step 4, otherwise skip to step 5.
4. If AML Suite Communication is not listed, then it is not installed, and the device will not communicate with DC Console or DC Sync. To install it, follow these steps:
 - a. Make sure “Support Updating DC Suite” is checked in the Sync tab of DC Console/Sync
 - b. Make sure “AML Serial USB” is selected in the Sync tab of DC Console/Sync
 - c. Connect a device and let it connect to DC Console/Sync
 - d. If you are prompted to update DC Suite, go ahead, and click yes to update that as well
 - e. AML Suite Communication will be auto installed
 - f. Reboot the device (see 5.4.2) and see if the issues are fixed. If not, follow the next steps.
5. Try rebooting (see 5.4.2) the device and see if that fixes communication issues. If not, follow the next steps.
6. Navigate to the Control Panel on the device

7. Click on the Freescale USB driver button.
8. Select ActiveSync from the popup and click Apply.
9. Connect the device to the computer running DC Console.
10. Once connected, select WMDC Legacy in the USB Mode in the Sync tab.
11. Now select AML Serial USB in the USB Mode in the Sync tab. This resets the comm mode. Now reboot the device (see 5.4.2) and see if the issues are fixed.

Troubleshoot Windows Communication Mode

1. Make sure Windows Mobile Device Center is installed on your PC. If not, follow this link to install:
<https://junipersys.com/data/support/drvupdate-amd64.exe>
2. After installing, try to connect the device again to see if the issues are fixed. If not, follow next steps.
3. Navigate to the Control Panel on the device.
4. Click on the Freescale USB driver button.
5. Make sure ActiveSync is selected in the popup and click Apply.
6. Try to connect the device again to see if the issues are fixed. If not, follow next steps.
7. Unplug any Windows CE device from your computer.
8. On your PC, navigate to Services.
9. Find the two services shown in the picture below:
10. Right click on each service and click the Stop option to stop the services.
11. Click on each service to open the properties popup page and navigate to the Log On tab.
12. Make sure Local System account is selected and Allow service to interact with the desktop is not selected.
13. Click the Apply button and close the properties page.
14. Right click on each service and click the Start option to start the services.
15. Try to connect the device again to see if the issues are fixed.

Updating to Serial Communication Mode with SD Card

NOTE: This section is for those who were on WMDC Legacy communication mode but cannot get the device connected to update DC Suite and want to switch to Serial Communication mode. A MicroSD card less than or equal to 32 gig in size is required for this procedure.

1. On your PC, make sure you have the latest version of DC Console/Sync installed. If not, follow Section 1 to install it.
2. Switch the USB Mode to AML Serial USB in USB Mode section of DC Console/Sync after install.
3. On your PC, navigate to \Program Files (x86)\AML\DC Console
4. Find the files DCSuite.CAB and SuiteCommunication.CAB
5. Load the two files onto your SD Card
6. Put the SD Card in the device and navigate to the SD Card folder in the file explorer
7. Double click on each cab file to manually install
8. Once they are both installed, reboot the device (see 5.4.2) and it will now be in serial comm mode
9. Connect to your PC and verify the mode with Section 5.2.1

Troubleshoot DC Uplink

1. If you are getting a "Missing Server IP/Port" message when clicking on DC Uplink in DC Suite, follow the steps

in Sections 2.4.3 and 2.5 to send a Suite to the device with DC Uplink configured.

2. If you are getting a “License Error” message when clicking on DC Uplink in DC Suite, follow the steps in Section 4.1.8.1 to license your device.
3. If the device returns a result message of “Unsuccessful Syncing, Server is not set up properly” when trying to Sync files to the PC in DC Uplink, you may have mismatching IP addresses and ports set up.
 - a. Make sure the IP address and port you have set up in your device Suite (Section 2.4.3) is the same as what is set up for the server (Section 2.6.2.1) and ensure the green light is on in the Start/Stop Server button in DC Console/DC Sync
 - b. Check your network connection to make sure it is active and connected.

Rebooting

Scepter/Striker

1. Press and hold the Red power button until the device reboots.
2. Click and hold the red power button until a popup appears. In the popup, select either Restart or Power Off.

LDX10/TDX20

1. Press and hold the Red power button for 15 seconds, release, and press once to power the device back up.
2. Use the reset button. With the USB cable disconnected, depress the reset button located on the right side of the device with its rubber boot removed. (See the image below)



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Documents / Resources

	<p>AML LDX10 Handheld Striker Mobile Computer [pdf] User Manual LDX10, Handheld Striker Mobile Computer, LDX10 Handheld Striker Mobile Computer, TDX20</p>
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References

-  [AML Mobile Computers and Kiosks](#)
-  junipersys.com/data/support/drvupdate-amd64.exe
-  [DC Software for Simple Barcode Data Collection Tasks – AML Mobile Computers and Kiosks](#)

Manuals+.