

Manual
English

ADVANTECH

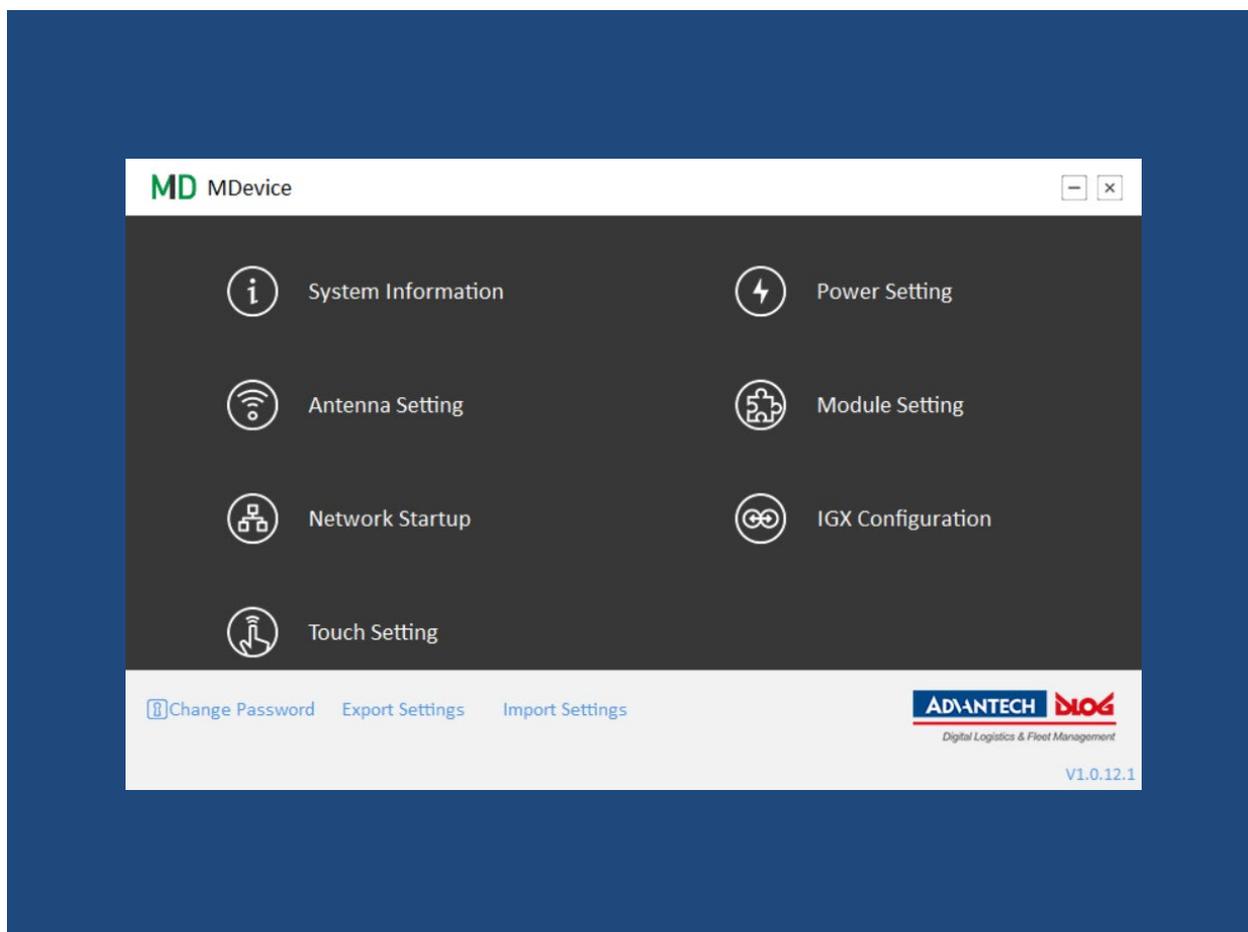
DLOG

Digital Logistics & Fleet Management

ADLoG MDevice

DLT-V6210FL

Manual V1.41 (EN)



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Read this manual carefully.
Keep for future reference.

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1. About this manual

1.1. Target group / Qualifications

NOTICE: Physical damage

MDevice contains important settings for your Advantech-DLoG Industrial PC. Only skilled qualified persons are permitted to configure Industrial PCs with MDevice. If improper changes of the MDevice settings are performed by the customer, this releases Advantech from all liability for warranty claims.

1.2. Software version described

This manual describes the MDevice software versions 1.0.9 \ 1.0.12 and 1.0.2.0.

1.3. Current manuals



Current manuals can be found in our Download Center on the internet at:

www.advantech.com

1.4. Area of applicability

The MDevice settings described in this manual apply to the following Industrial PCs:

- DLT-V6210FL

NOTE

MDevice software automatically recognizes the computer model and the installed operating system. MDevice differentiates the various systems and displays the configuration dialogues according to the respective device. So the parameter settings in the configuration dialogues can be different. Example: In the **Module Settings** menu you can enable/disable **WWAN** also on DLT-V6210FL devices.

1.5. Design method in this manual

The following icons and keywords are used in this manual to indicate dangers, notices etc.



DANGER / WARNING / CAUTION

DANGER means that death or severe bodily injury will occur if this information is not observed.

WARNING means that death or severe bodily injury can occur if this information is not observed.

CAUTION means that slight bodily injury can occur if this information is not observed.

NOTICE: Physical damage

Information about possible physical damage

TIP / HINT

Tips, hints for using the product



Note about additional information in manuals

2. Safety information

NOTICE: Property damage

MDevice contains important settings for your Advantech-DLoG Industrial PC. Only skilled qualified persons are permitted to configure Industrial PCs with MDevice. If improper changes of the MDevice settings are performed by the customer, this releases Advantech from all liability for warranty claims.

3. Starting the program

System requirements

The following operating systems are supported:

- Microsoft Windows® 7 Professional.
- Microsoft Windows® Embedded Standard 7 (WES7)
- Microsoft Windows® Embedded 8 Standard (WE8S)
- Microsoft Windows® 8.1 Industry Professional
- Microsoft Windows® 10 IOT
- Microsoft Windows® Embedded Compact 7 (WEC7)

Starting the program

Start MDevice utility via the Windows **Programs** menu under **Start**.

If a password was entered in the MDevice **Settings** menu, this will be requested when starting the program. The password is case-sensitive; the program terminates after three incorrect entries.

The default password ex works is **gold**. Please change this in the **Settings** menu to suit your requirements.

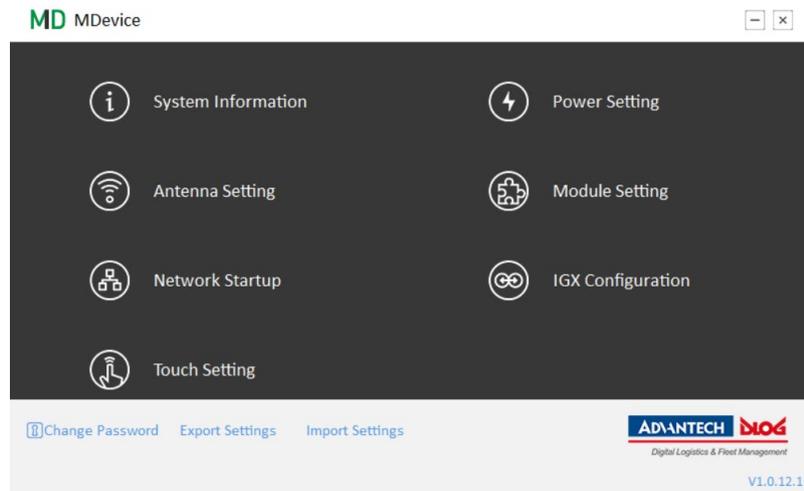
4. Main Menu: Overview of functions

NOTE

MDevice software automatically recognizes the computer model and the installed operating system. MDevice differentiates the various systems and displays the configuration dialogues according to the respective device.

DLT-V6210FL Main Menu

Figure 4.1: MDevice main menu on DLT-V6210FL



5. System Information

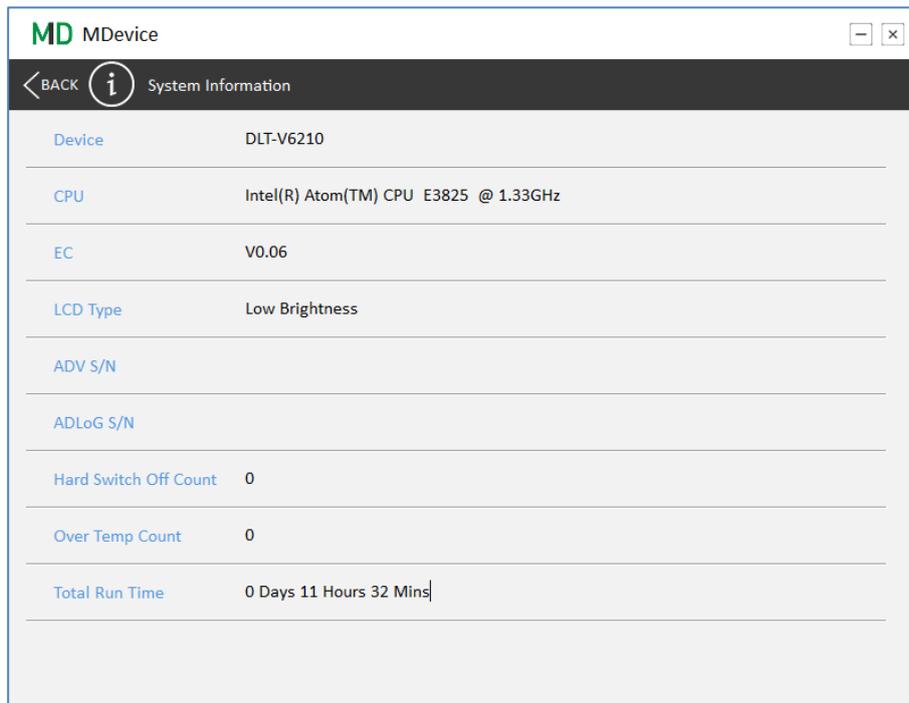
In this menu, Industrial PC system information is displayed.

Examples:

- Device
- CPU
- EC firmware version
- LCD Type
- ADV S/N
- ADLoG S/N
- Hard switch Off Count
- Over Temperature Count
- Total Run Time

DLT-V6210FL System Information Menu

Figure 5.1: System information menu for DLT-V6210FL



Device	DLT-V6210
CPU	Intel(R) Atom(TM) CPU E3825 @ 1.33GHz
EC	V0.06
LCD Type	Low Brightness
ADV S/N	
ADLoG S/N	
Hard Switch Off Count	0
Over Temp Count	0
Total Run Time	0 Days 11 Hours 32 Mins

6. Power Setting

NOTE

MDevice automatically recognizes the computer model and the installed operating system. MDevice differentiates the various systems and displays the configuration dialogues according to the respective device. So the parameter settings in the configuration dialogues can be different.

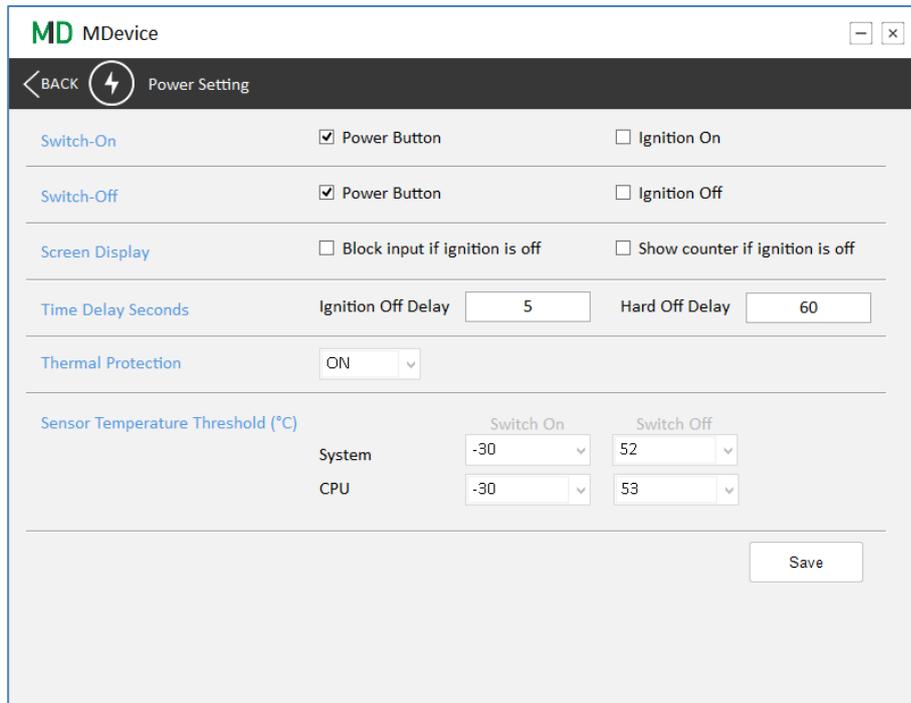
Parameter settings (full set)

Switch-On	To configure which source is allowed to turn on the device.
Switch-Off	To configure which source is allowed to turn off the device.
Screen Display	To configure the behavior while receiving ignition off event. Block input: While receiving ignition off event, all the inputs (ex. touch, keyboard, mouse) will be blocked. Show counter: While receiving ignition off event, utility will show a count down dialog to notify the user.
Time Delay Seconds	To configure the delay seconds. Ignition Off Delay: The waiting time to trigger a OS shutdown event while ignition off. Hard Off Delay: The waiting time to trigger a power shutdown event while ignition off. Figure 6.4: Count down dialog  <u>NOTE for WEC7 OS:</u> Due to quick shutdown time at WEC7 operating system it is highly recommended to leave Hard Off Delay timeout at 1 second . Increasing this value will cause system warm start followed by EC switch off.

<p><u>Note:</u> This settings are not available with WEC7 OS.</p>	Battery Capacity Threshold	To configure the percentage threshold of battery for switch-on/off event.
	Thermal Protection	<p>NOTE: FACTORY SETTING. Not customer configurable.</p> <p>Thermal protection per default is "ON" on ALL terminals.</p> <p>For your information:</p> <p>Bootup: Defines the values the terminal can boot at ambient temperatures in off state.</p> <p>Shut down: Defines the values the terminal releases an emergency shutdown, based on inside temperature.</p>
	Sensor Temperature Threshold	<p>NOTE: FACTORY SETTING. Not customer configurable.</p> <p>For your information: The temperature threshold of each sensor for switch-on/off event is defined.</p>

DLT-V6210FL Power Setting Menu

Figure 6.1: Power setting menu for DLT-V6210FL



7. Function Key Setting

NOTE

This option is not available at DLT-V6210FL.

Parameter settings (full set)

User can switch the type of function. There are 3 types of function user can set:

VK codes	The function key which is set to this type will send virtual key codes which supports max to 3 combinations of keys.
Program	The function key which is set to this type will trigger an application.
Text	The function key which is set to this type will send a plain text.

8. Module Setting

NOTE

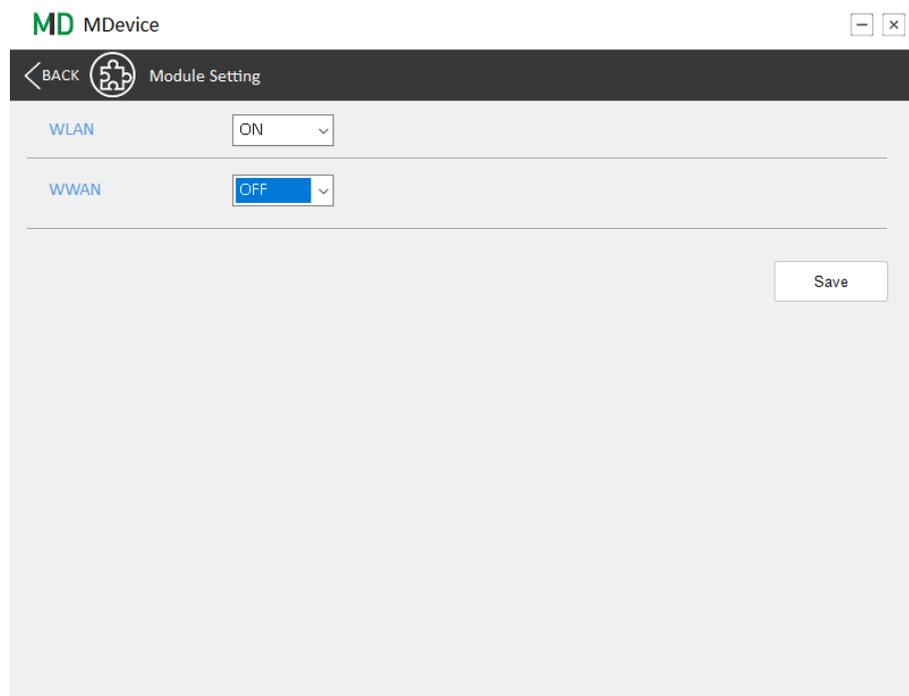
MDevice software automatically recognizes the computer model and the installed operating system. MDevice differentiates the various systems and displays the configuration dialogues according to the respective device. So the parameter settings in the configuration dialogues can be different.

Settings parameters

WLAN / BT / WWAN / GPS	Enable/Disable the respective wireless technology
------------------------	---

DLT-V6210FL Module Setting Menu

Figure 8.1: Module Setting Menu for DLT-V6210FL



NOTE

Hardware based WLAN support is always enabled at DLT-V6210 in combination with WEC7 and cannot be disabled using MDevice utility.

Using Windows CE "Control Panel – Network and Dial-up Connections" dialog allows (enabling \ disabling) WLAN card instead.

WWAN option is only available at DLT-V6210FL.

9. Antenna Settings

9.1. Safety information about radio wave emissions



CAUTION

Danger of radiation emission.

Industrial PCs with WLAN equipment emit high-frequency energy (abbreviation: HF). To protect people from HF radiation and to comply with country-specific regulations:

- ⇒ Install the industrial PC in such a way that the minimum distance between individuals and the PC antenna is 20 to 50 cm.

For the Wi-Fi configuration: Set the correct transmitting power and frequency.

Risks to health are possible due to excessive radio wave emission if the transmission power and the frequency are set incorrectly during the Wi-Fi configuration.

- ⇒ Observe the applicable regulations for your deployment location/country with regard to frequencies and the maximum permissible transmitting power. Responsibility for this lies with the operator of the industrial PC. The regulatory authorities in the relevant country can provide information on this.

Country-specific regulations

Example Germany:

In Germany according to regulations published in the Official Journal 89/2003 of the RegTP (regulating body for telecommunications and mail, now: "Bundesnetzagentur") - Federal Network Agency for electricity, gas, telecommunications, post and railway - the maximum permissible transmitting power, EIRP (Equivalent Isotropically Radiated Power), in the 2.4 GHz frequency band is set at 20 dBm (100 mW).

Set the transmitting power of the Advantech-DLoG antenna so that the permitted EIRP limit value is complied with.

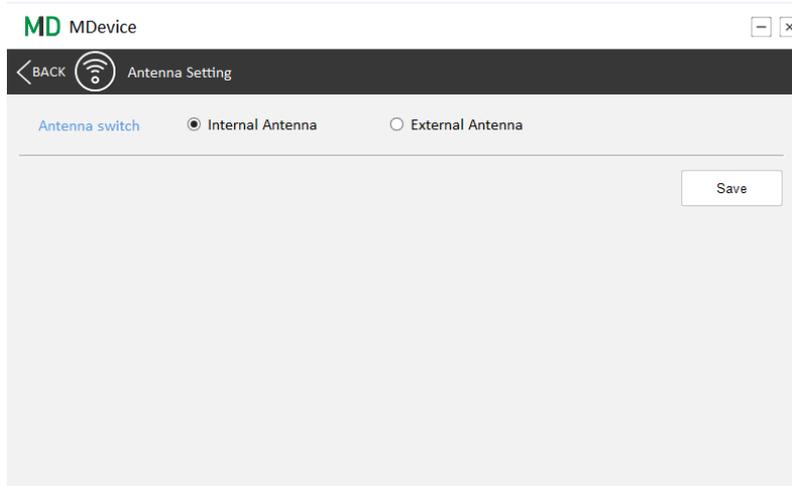
Example worldwide:

Region	Regulatory authority
EU	EU Verification Notified Body V1.9.1 ETSI
China	CNCA-07C-031
Japan	Japan SDoC, Certificate
Taiwan	Taiwan Certification
Canada	Canada Certification Body
USA	USA Certification

9.2. Antenna Settings Menu

DLT-V6210FL Antenna Settings Menu

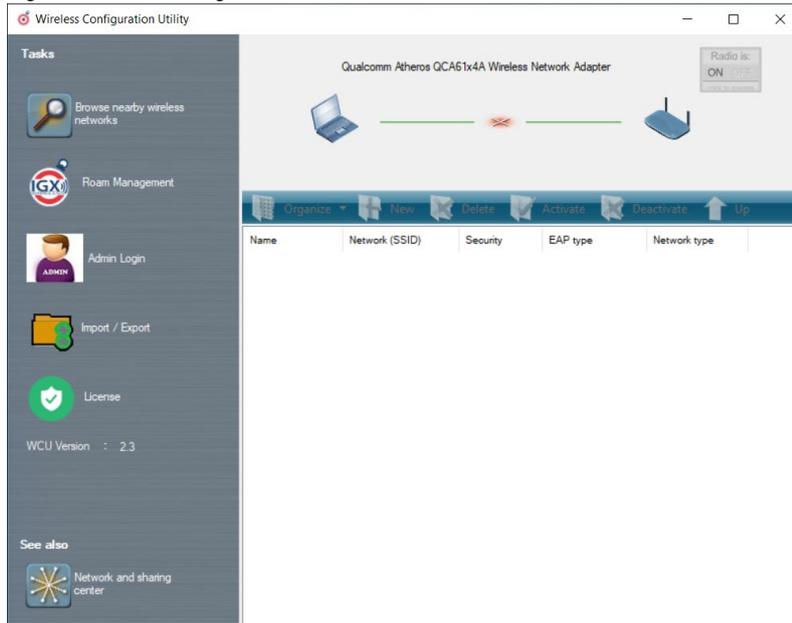
Figure 9.1: Antenna Settings Menu for DLT-V6210FL



User can select using internal antenna or external antenna or auto switch. Other than that, WiFi Config Tool also can launch WiFi setting utility.

9.3. WiFi Config Tool IGX

Figure 9.2: WiFi Config Tool IGX for DLT-V6210FL



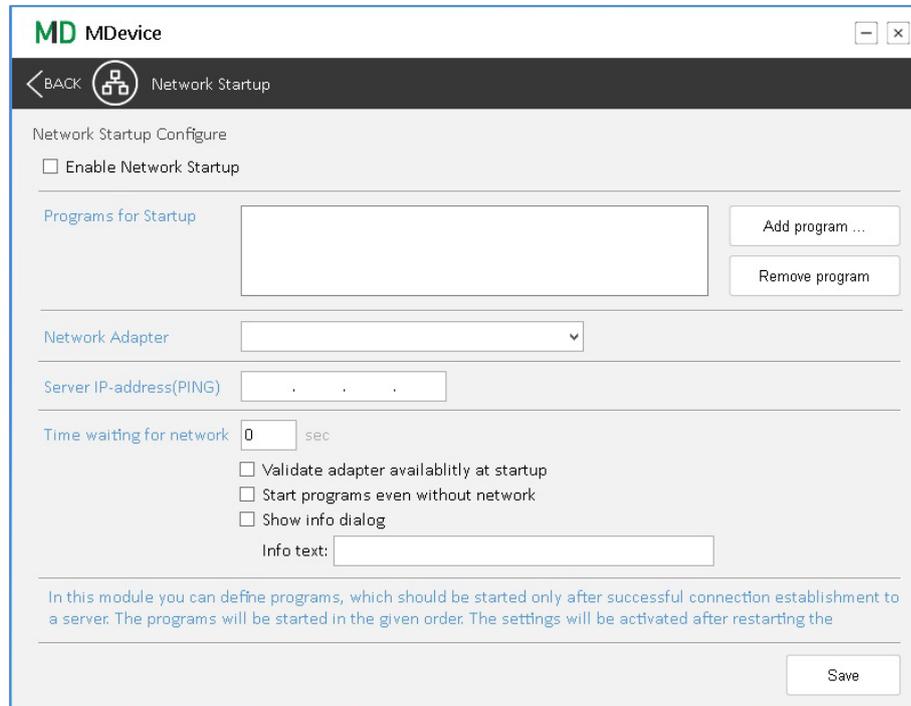
10. Brightness setting

NOTE

This setting is not available at DLT-V6210FL.

11. Network Startup

Figure 11.1: Network Startup Menu



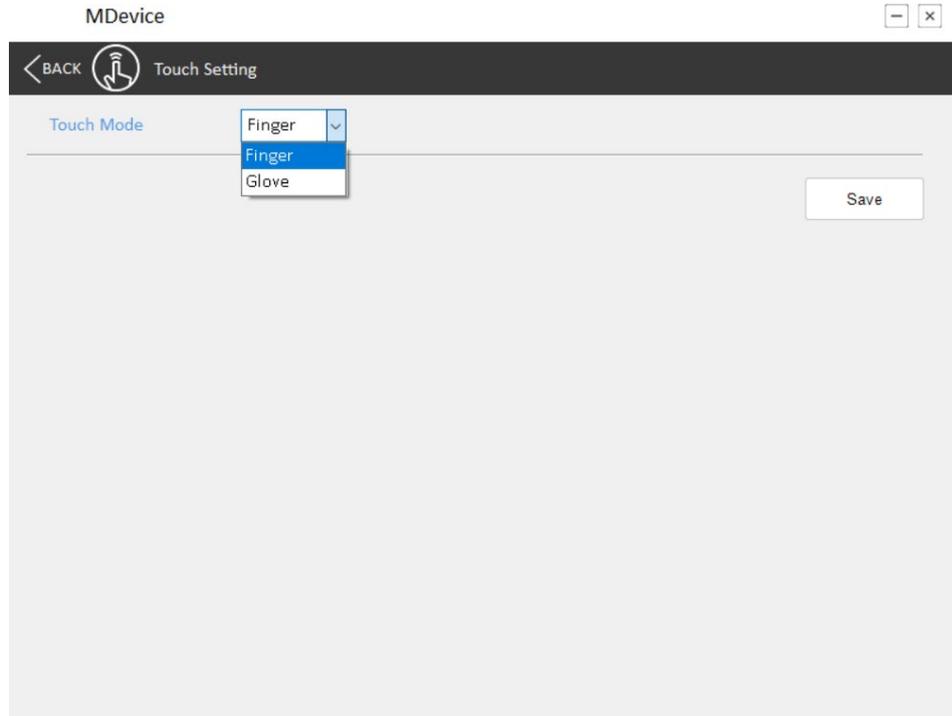
Network startup feature will check whether the device is connected with server at boot-up stage and take action according to the check result.

Enable Network Startup	Checked if user want to enable this feature
Programs for Startup	It's for setting the startup program list, user can add program by clicking <i>Add program ...</i> button, or remove program by Removed program button.
Network Adapter	To specify a network adapter for the network checking event.
Server IP-address(PING)	It's for setting the server IP.
Time Waiting for network	It's for setting the waiting time for network, if devices cannot connect to server within the time limit, the check result of network is failed.
Validate adapter availability at startup	Checked if user need to check the adapter as well.
Start programs even without network	Checked, if user need to launch the startup programs which list in Programs for Startup, even the checking result is failed.
Show info dialog	It is for setting the text information which will be shown during checking network.

12. Touch setting

For Touch Setting, please enter [MDevice] -> Select [Touch Setting].

Figure 12:1: Touch Setting for DLT-V6210FL



NOTE

Touch Mode allows **Finger** and **Glove** mode to be set to allow better touch interaction while wearing gloves.

13. Export \ Import Settings

To export and import done MDevice Settings use **[Export Settings]** and **[Import Settings]** feature from main menu.

Figure 13:1: Export Settings for DLT-V6210FL

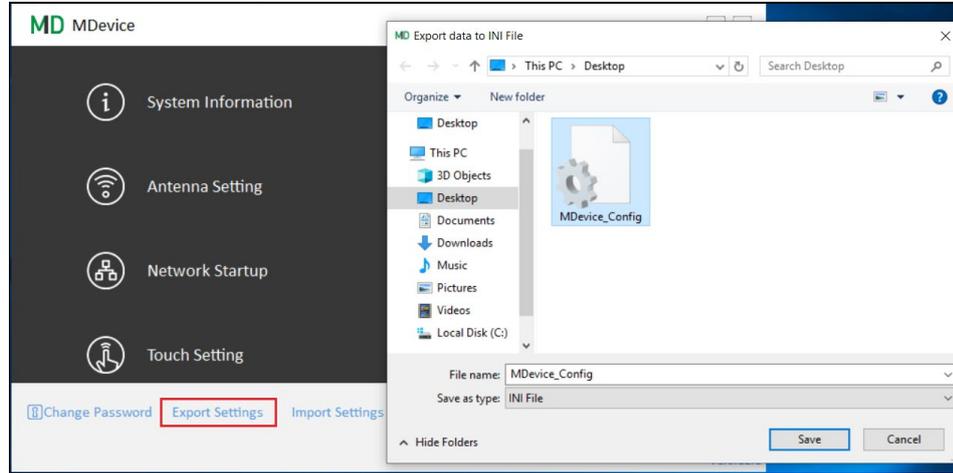


Figure 13:2: Export Settings Success message for DLT-V6210FL

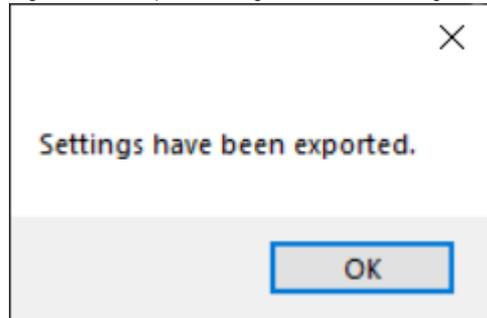


Figure 13:3: Import Settings for DLT-V6210FL

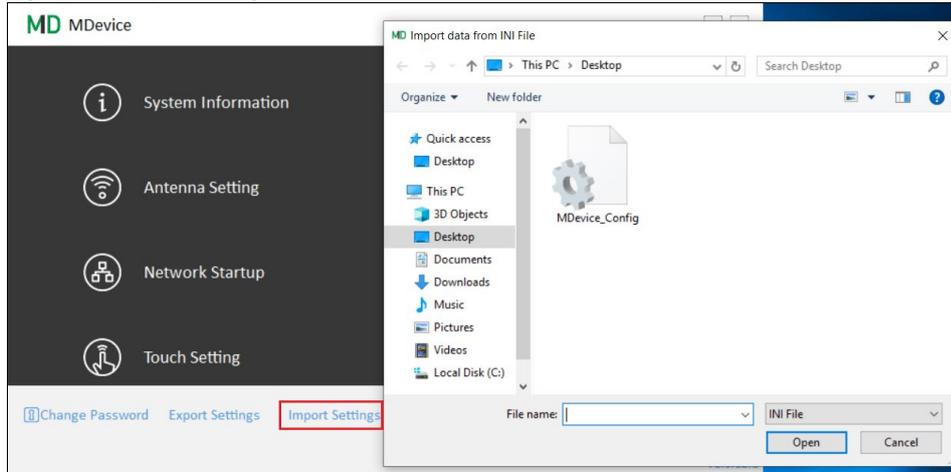
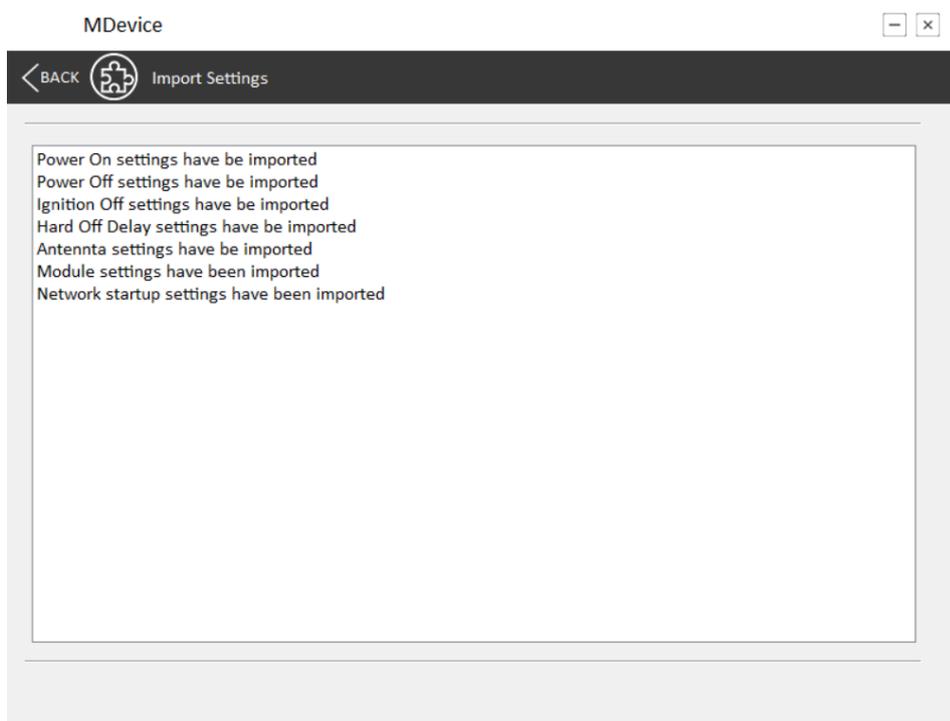


Figure 13:4: Import Settings Success message for DLT-V6210FL



14. Technical customer support

AdvantechService & Support

Find out about our worldwide and comprehensive service offering:

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For Your Notes