



Device Management Server Manage Tool User Guide

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International Telematics Solutions Innovator

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0. Revision History

Version	Date	Author	Description of Change
1.00	2018-12-04	Kora Li	Initial

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1. Device Management Server Manage Tool Interface

Device Management Server Manage Tool is used to configure parameters for device through Data_Cable_M or USB Cable. It is easy for developers to configure the device with it for the interface is simple and functional. All commands can also be sent via SMS or network.

1.1 System Requirements

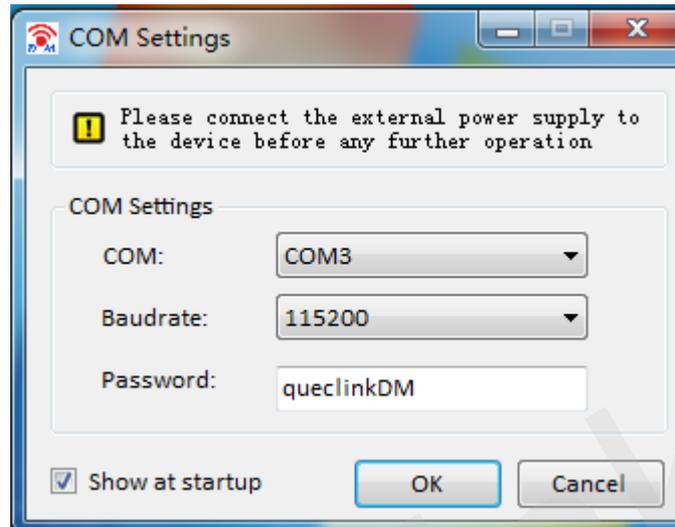
Make sure the computer system meets the following configurations before installing the Manager Tool:

- ◆ Windows 98SE;
- ◆ Windows ME Windows 2000 SP4;
- ◆ Windows XP SP2 and above (32 & 64 bit);
- ◆ Windows Server 2003 (32 & 64 bit);
- ◆ Windows Server 2008 (32 & 64 bit);
- ◆ Windows Vista (32 & 64 bit);
- ◆ Windows 7 (32 & 64 bit);
- ◆ Windows 8 (32 & 64 bit);

Supported System Environments:

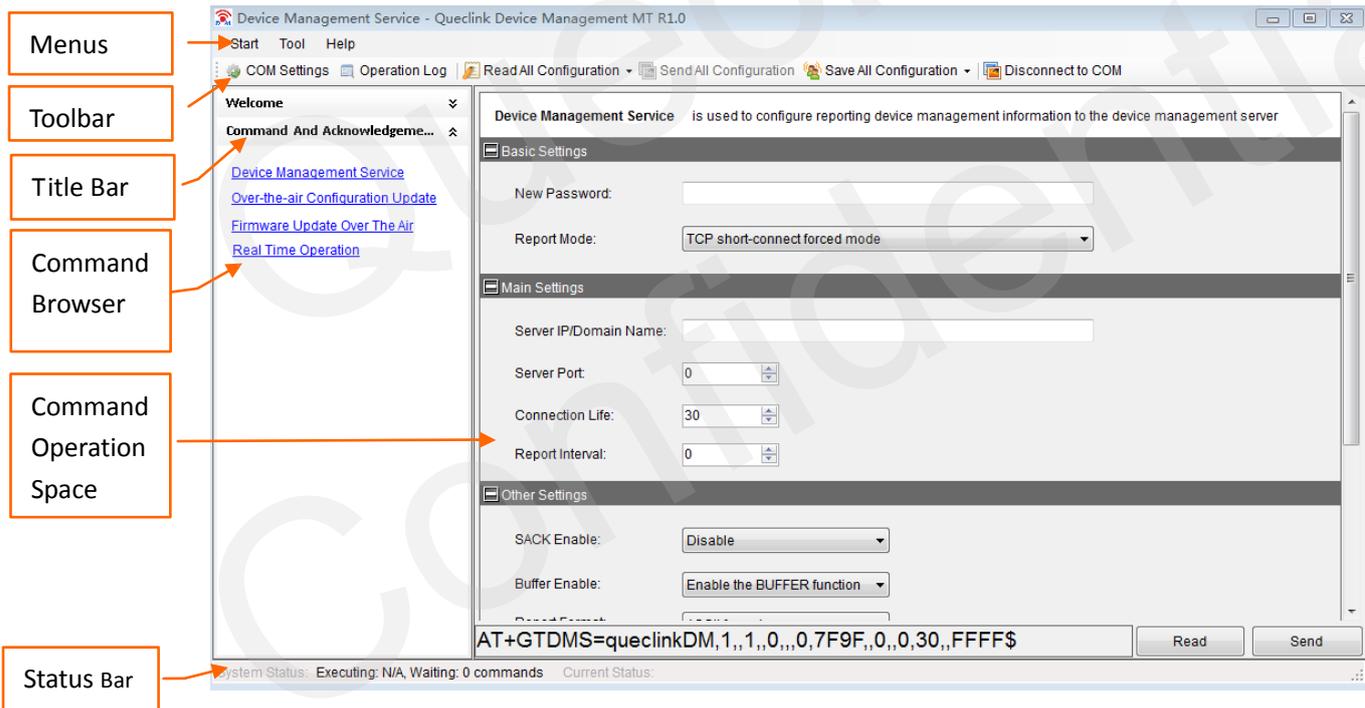
- ◆ Microsoft .NET Framework 2.0 or higher

1.2 COM Settings



Select the COM port, input the password “queclinkDM”, and the main window will be displayed.

1.4 Professional Setting Window



1.4.1 Title Bar

Title Bar indicates the command that is currently being operated.

1.4.2 Menus

There are menu options including “Start”, “Tool”, and “Help”.

1.4.2.1 Start Menu

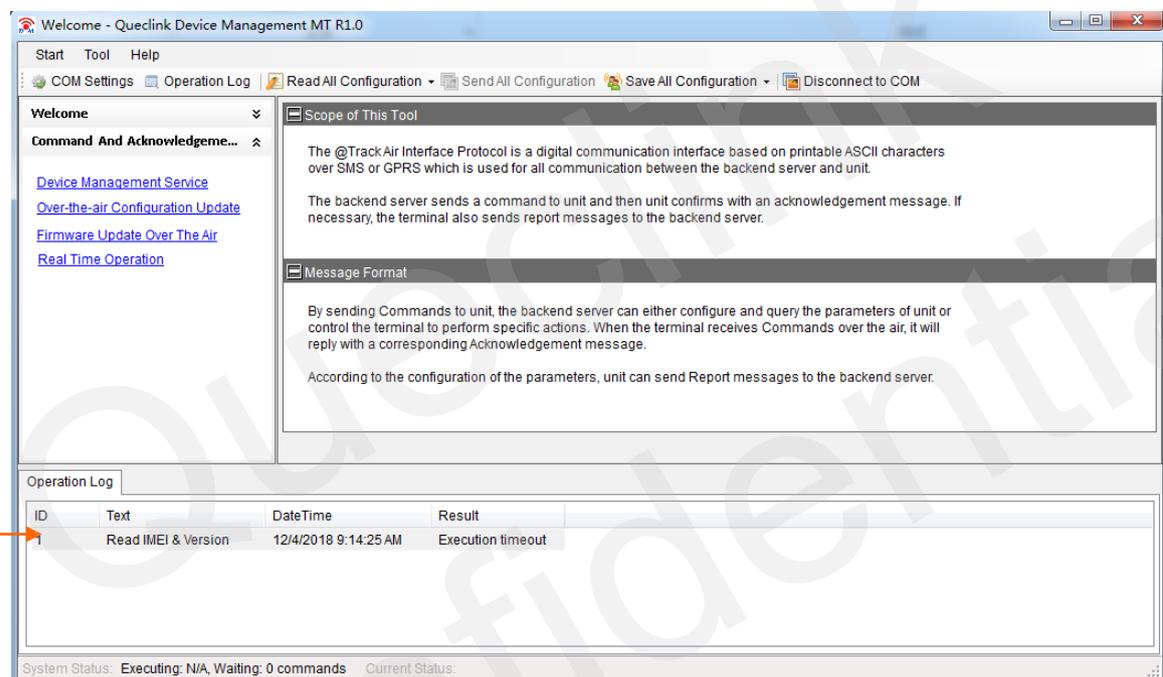
Start menu contains “COM Settings”.

[COM Setting]: It is used to set the COM information and password. Please refer to Chapter 1.2 for more information.

1.4.2.2 Tool Menu

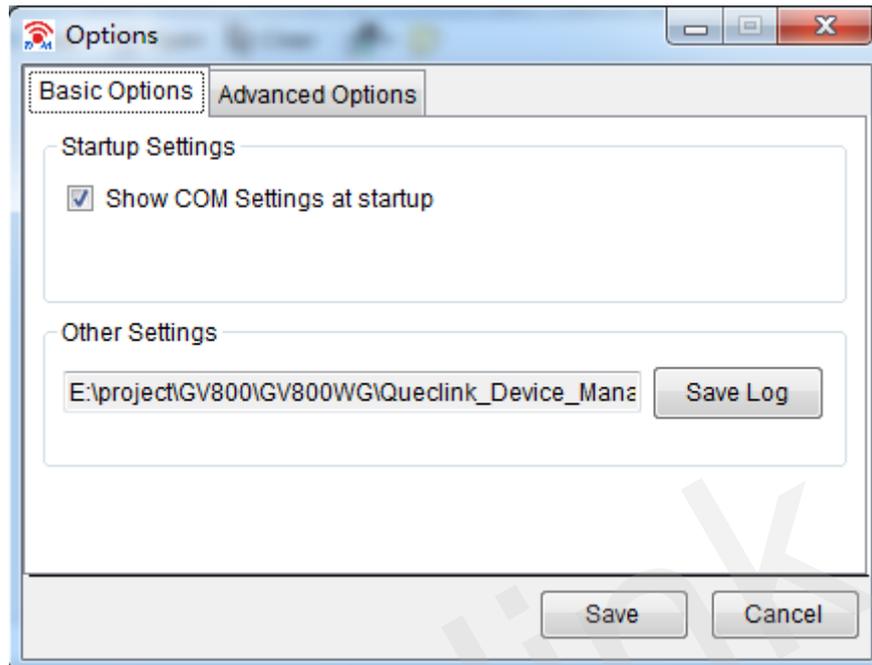
Tool menu contains “Operation Log” and “Options” settings.

[Operation Log]: It is used to display/hide the operation log.



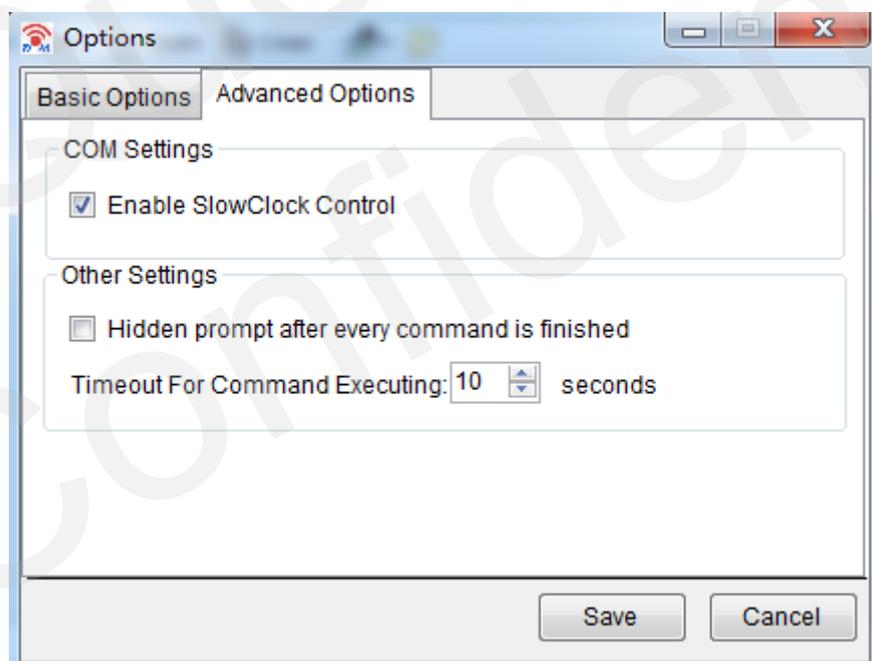
[Options]: It is used to configure the basic settings for the Manage Tool.

“Basic Options” includes Startup Settings option and Save Log option.



“Advanced Options” includes COM Settings and Other Settings.

COM Settings is used to enable/disable slow clock control. It is recommended to use default settings.



1.4.2.3 Help Menu

Help menu contains the option of “About”.

[About]: The following window will pop up upon selecting “About”.



1.4.3 Toolbar

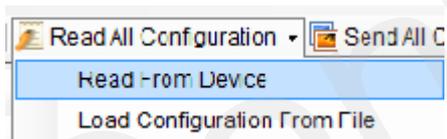
Toolbar contains “COM Setting”, “Operation Log”, “Read All Configuration”, “Send All Configuration”, “Save All Configuration”, and “Connect/Disconnect to COM” as shown below.



[COM Setting]: It is used to set the COM information and password. For details, please refer to Chapter 1.2.

[Operation Log]: It is used to display/hide the operation log.

[Read All Configuration]: There are two options as shown below: “Read From Device” and “Load Configuration From File”.



“Read Configuration From Device”: It is used to read all configurations from the device.

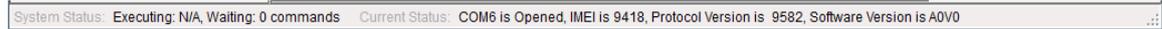
“Load Configuration From File ”: It is used to load local configuration file to the Manage Tool.

[Send All Configuration]: It is used to execute all parameter configurations in Command set except **GTRTO**.

[Save All Configuration]: It is used to save all parameter configurations to file.

[Connect/Disconnect to COM]: It is used to connect/disconnect COM manually.

1.4.4 Status Bar



The Status Bar displays system state and current state.

[System Status]: It indicates the serial number of commands waiting to be executed.

[Current Status]: It indicates the current COM state, IMEI, protocol version and software version which are read from the device.

1.4.5 Command Browser and Command Operation Space

This area is mainly used to read and set the parameters for the device.

1.4.5.1 Command Browser

Command Browser divides all commands into several parts. Click titles in Command Browser, parameters of the current command will be shown in Command Operation Space.

Title Bar	Command Browser	Command
Command and Acknowledgement	Device Management Service	AT+GTDMS
	Over-the-air Configuration Update	AT+GTUPC
	Firmware Update Over The Air	AT+GTUPD
	Real Time Operation	AT+GTRTO

1.4.5.2 Command Operation Space

Command Description: Device Management Service is used to configure reporting device management information to the device management server

Parameters Area:

- Basic Settings:**
 - New Password: queclinkDM
 - Report Mode: TCP short-connect forced mode
- Main Settings:**
 - Server IP/Domain Name: [Text Field]
 - Server Port: 0
 - Connection Life: 0
 - Report Interval: 0
- Other Settings:**
 - SACK Enable: Disable
 - Buffer Enable: Enable the BUFFER function

Command Display: AT+GTDMS=queclinkDM,1,queclinkDM,1,,0,,0,7F9F,,0,,0,,FFFF\$

[Command Description]: It is, as indicated above, a short description of a command.

[Parameters Area]: Set/Read current command parameters in this area.

[Command Display]: It shows the command and corresponding parameter information in Parameters Area.

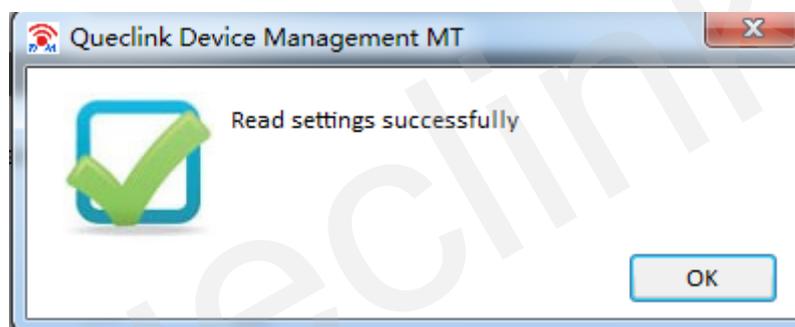
[Read]: Click this button to read the command from the device.

[Send]: Click this button to send the command to the device.

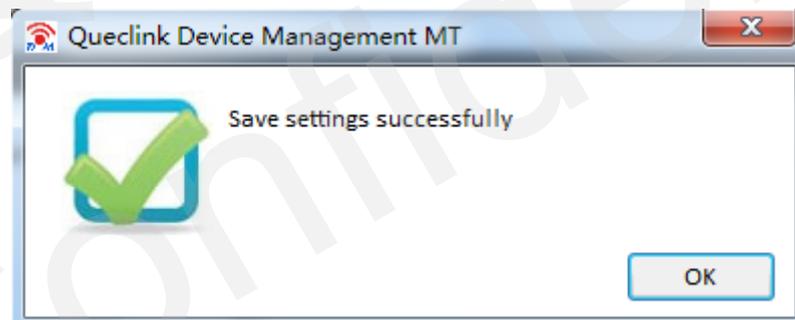
1.5 Operation Result Interfaces

1.5.1 Interfaces for Successful Operation

1.5.1.1 Command Read Successfully

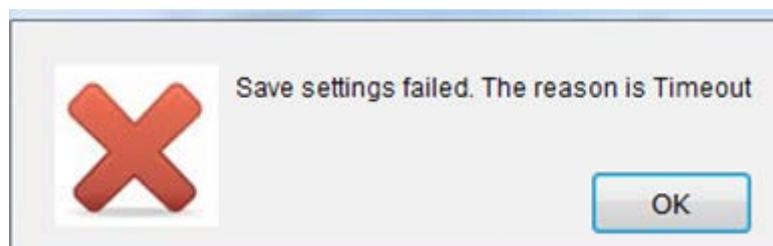


1.5.1.2 Command Sent Successfully

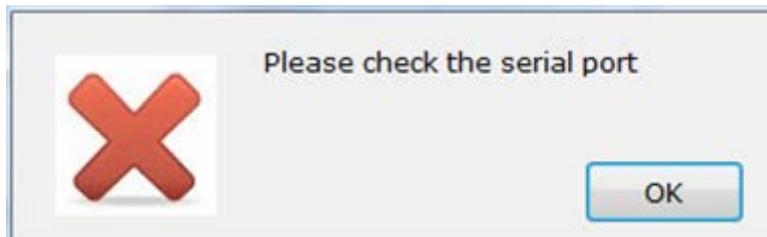


1.5.2 Interfaces for Failed Operation

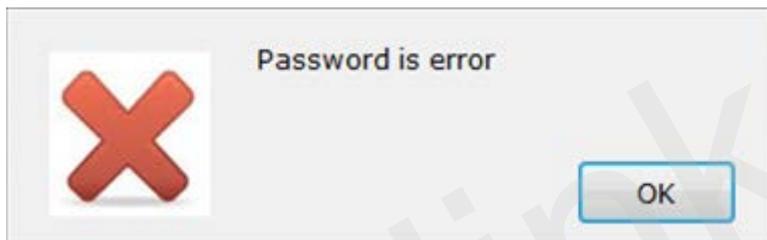
Problem may be with the COM port if following error occurs..



Current COM port is occupied. Please close and open again.



Please input the correct device password if Password Error occurs.

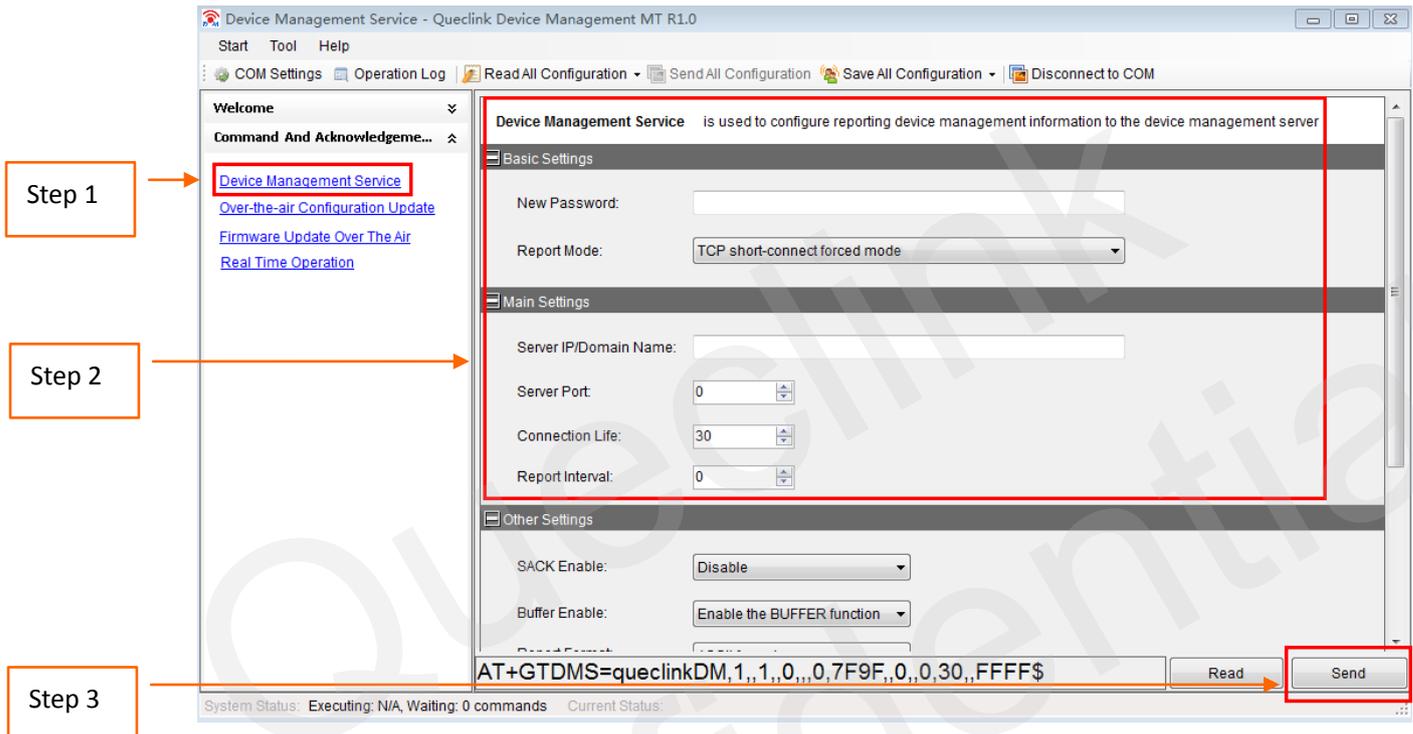


2. Operation Instruction

The Manage Tool is developed based on the Protocol. Please refer to “Queclink Device Management Protocol” for details.

2.2 Device Configuration

The following shows a general procedure to configure the device with the Manage Tool.



Step 1: Select a Command

Select a command in Command Browser Space. After that, the parameters of the function will be shown in Command Operation Space.

Step 2: Create Command

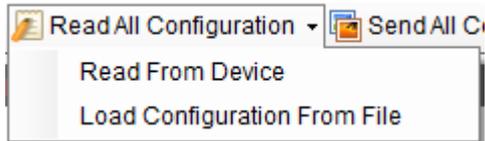
The to-be-sent command message will be generated based on the inputs. Please note that the command message can also be sent to the device via SMS or network.

Step 3: Send a Command to the Device

Click the “Send” button to download the parameters of this command to the device.

2.3 Read/Save All Configurations

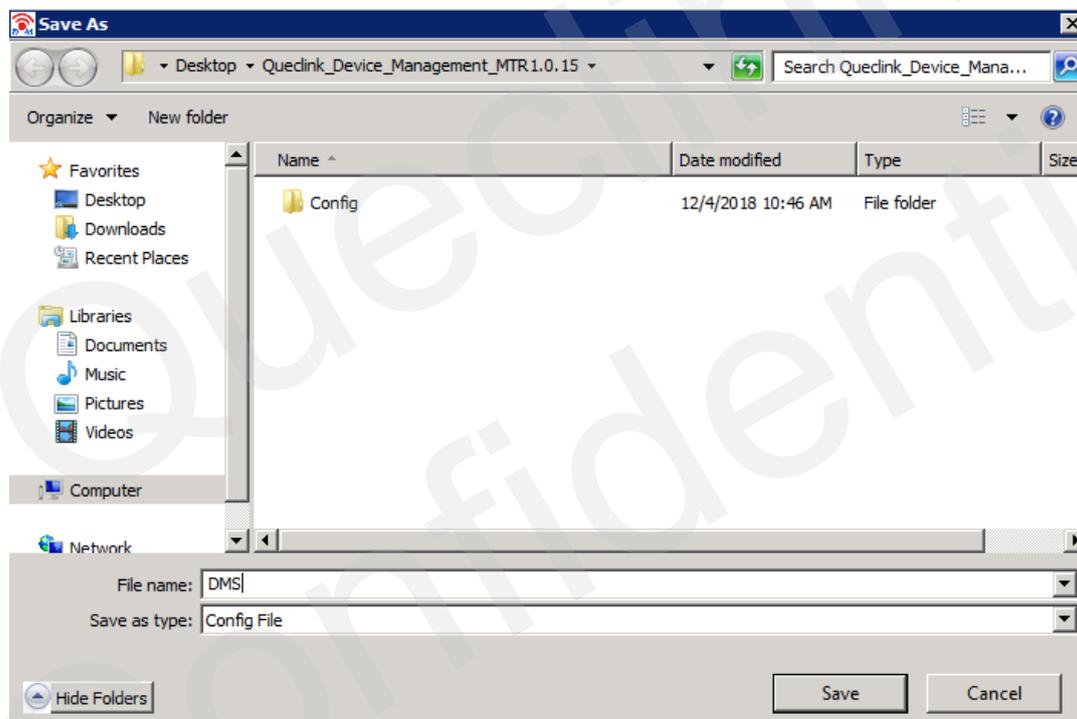
Step 1: It is recommended to read all configurations from the device and save the original configurations to your desktop. Select “Read All Configurations” → “Read From Device”.



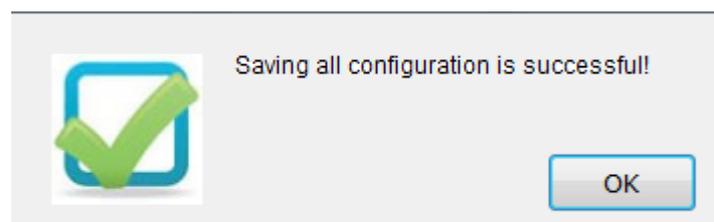
Step 2: After reading the configuration successfully, click “Save All Configuration” in toolbar.



Step 3: Select a folder, type in the name of the configuration file, and then click “Save” button.

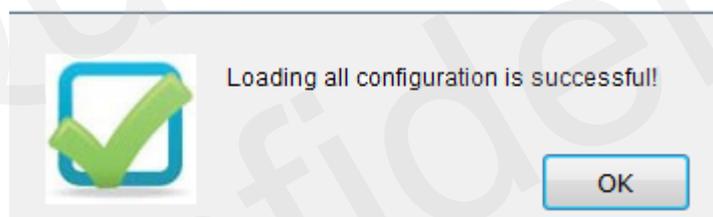
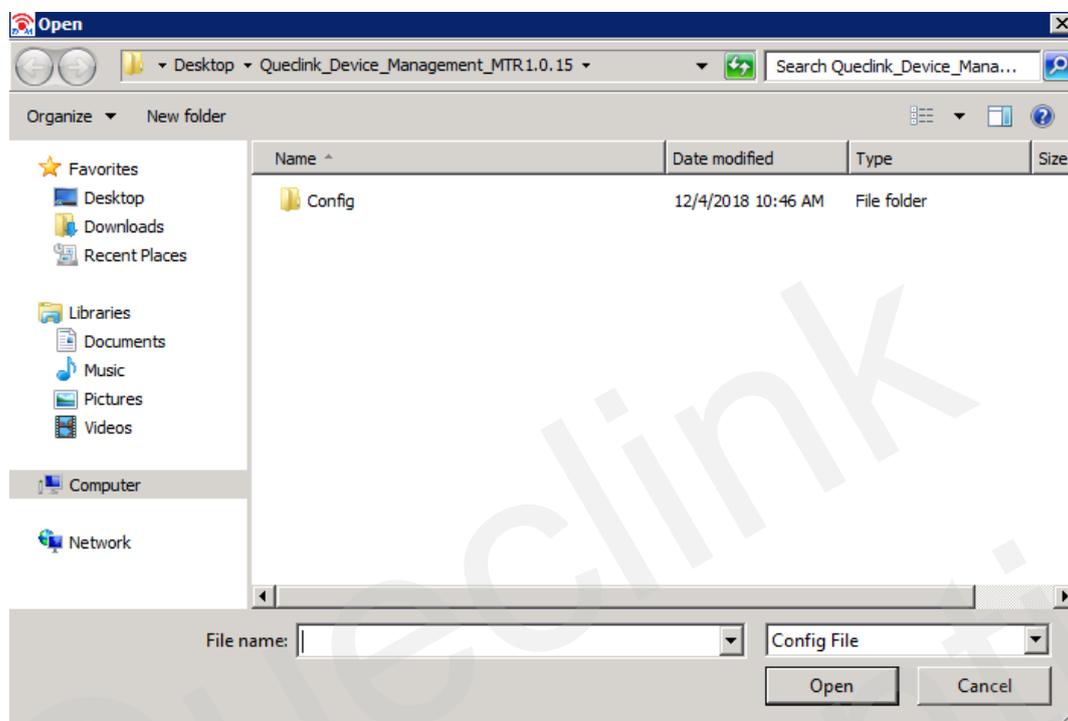


Step 4: The configuration information is saved successfully.



2.4 Load/Send All Configurations

Step 1: Load the configuration file or set all parameters of the commands before executing them. Select “Read All Configuration” → “Load Configurations From File”, and then select the needed configuration file.



Step 2: The user can set the parameters of the commands based on the configuration file, and then click “Send All Configuration” in toolbar.

 Send All Configuration

Step 3: The Manager Tool will write all commands to the device.