QubeVu™ Desktop App

PC Software

Software Manual

QubeVu Desktop App works with all iDimension products

September 4, 2020

RICE LAKE® WEIGHING SYSTEMS

PN 199630 Rev A

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1.0 Introduction

This manual provides an overview of the QubeVu Desktop App installation and configuration procedures.

When interfacing this device to a third party program, please reference the software manufacturer's documentation for setup and configuration parameters as necessary. QubeVu Desktop App is a Windows desktop application designed to send dimensions, weight, barcode and other data acquired from an iDimension device to the active application (Microsoft® Excel® or another online shipping form).

Manuals and additional resources are available from the Rice Lake Weighing Systems website at www.ricelake.com

Note ***Administrative privileges are required to perform proper installation procedures.***

1.1 System Requirements

Specifications subject to change without notice.

QubeVu Desktop App can be installed on any Windows® PC which supports .NET Framework 4.6.1.

Microsoft .NET Framework 4.6.1 is required for the QubeVu Desktop App.

Prerequisites

- Operating system – Windows 7 or newer, 32-bit or higher
- Processor – Intel Pentium Dual Core or better
- RAM – 1 GB or higher
- Storage – Available space of 20 MB, or significantly more if images are retained
- iDimension device connected to the network with IP address configured and identified

Note ***Specifications subject to change without notice.***

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2.0 Installation

This section provides an overview of the QubeVu Desktop App installation procedure.

Microsoft .NET Framework 4.6.1 is required for QubeVu Desktop App. This component is often present on the host system.

IMPORTANT ***If Microsoft .NET Framework 4.6.1 is not installed on the PC, the QubeVu Desktop App installer displays a warning message and will not proceed with the installation.***

1. Download the QubeVuDesktopAppSetup.exe from: www.ricelake.com/software.
2. Double-click the QubeVuDesktopAppSetup.exe installed on the computer to begin installation of QubeVu Desktop App.
3. Press Next > to continue.

Figure 2-1. Application Setup

4. Press Browse... then select the folder where the QubeVu Desktop App should be installed.
5. Press Next > to continue.

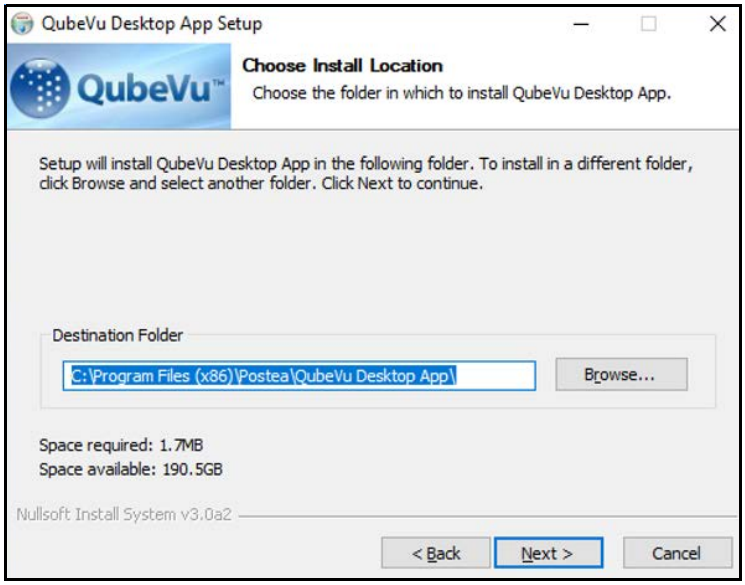

Figure 2-2. Choose Install Location

6. Select the folder where the QubeVu Desktop App desktop icon will be installed.
7. Press Install to continue.

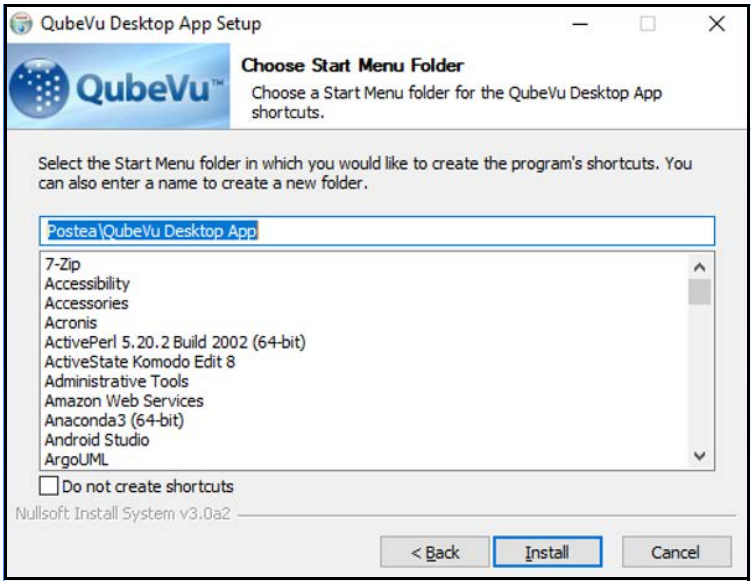

Figure 2-3. Choose Start Menu Folder

8. Press Finish to complete QubeVu Desktop App installation.

Figure 2-4. Complete QubeVu Desktop App Setup

Note

If the Create Desktop Shortcuts is checked, desktop icons will be created for the QubeVu Desktop App and a digital copy of this manual, QubeVu Desktop App Software Manual (PN 199630). The desktop icons will appear in the folder selected in Step 6.

The desktop icon for the QubeVu Desktop App Software Manual (PN 199630) varies depending on the PDF reader software installed on the PC.

Figure 2-5. QubeVu Desktop Shortcut

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3.0 Configuration

This section provides an overview of the QubeVu Desktop App configuration procedure.

3.1 Application Settings

1. When the QubeVu Desktop App launches, the application is minimized.
2. Select in the system tray, located in the notification area of the task-bar then press to restore QubeVu Desktop App to full size.

Note ***Currently running applications are found in the system tray.***

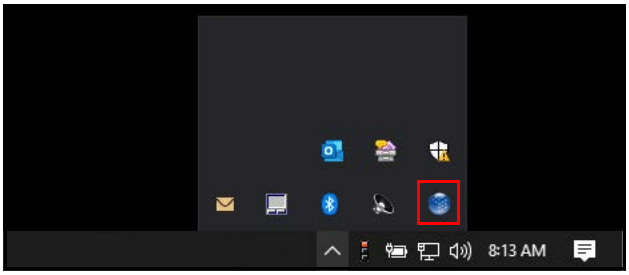

Figure 3-1. System Tray

Note ***The QubeVu Desktop App starts with a notification informing the user to which hotkey is currently configured.***

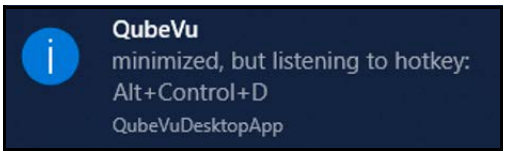

Figure 3-2. QubeVu Notification

The QubeVu Desktop App communicates error conditions during normal operation through similar notifications.

The ***QubeVu Desktop App Menu*** shows the following information:

- Current configured hotkey
- Hostname or IP address of the device it is connected to
- Data output pattern, keyboard wedge emulation
- Log messages regarding the last scan: success or error message(s)
- Verbose Mode – Toggle the amount of status reporting for QubeVu Desktop App

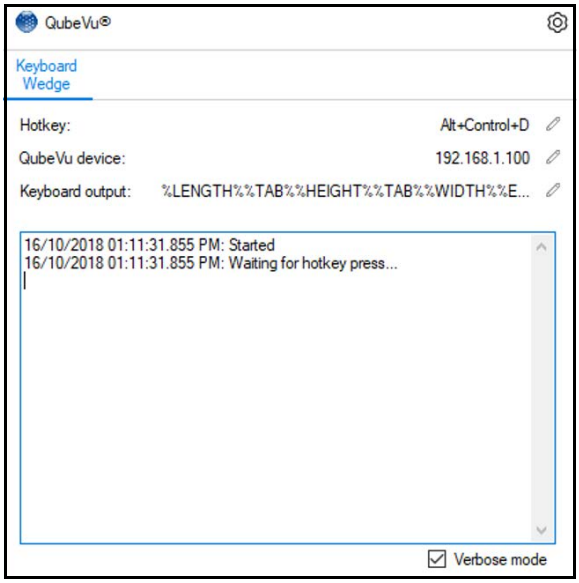

Figure 3-3. QubeVu Desktop App Menu

3. Press ⚙ to open the ***Settings Menu***.

Figure 3-4. Settings Menu Selection

4. Press Preferences... in the ***Settings Menu*** to configure preferences.

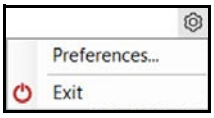

Figure 3-5. Settings Menu

Note ***Press Exit in the Settings Menu to return to the QubeVu Desktop App Menu (Figure 3-3 on page 4).***

5. Press OK in the ***Preferences Menu*** to configure additional settings. The QubeVu Desktop App saves a specific configuration profile to each user.

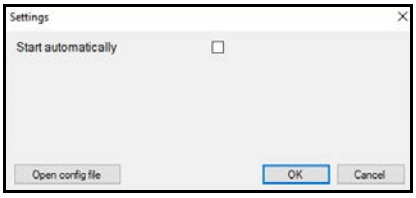

Figure 3-6. Preferences Menu

Note ***Start Automatically – When checked, the application configures itself to start when the user logs onto the PC (default value: off).***
Open Configuration File – Select to open the configuration XML file for the current user. Caution should be taken not to put invalid values in this file or the application may not start or it may start with an error message and not work. Do not modify these settings.

3.1.1 Hotkey

Press ✎ to the right of ***Hotkey*** in the ***QubeVu Desktop App Menu*** (Figure 3-3 on page 4) to enter the ***Hotkey Menu***. The ***Hotkey Menu*** allows the selection of the hotkey.

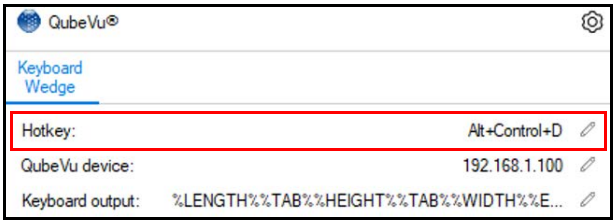

Figure 3-7. Hotkey Menu Selection

Example: If the operator specifies **TAB** *as the hotkey then include %TAB% in the output pattern that would create a never-ending keyboard output. Using a combination of keys that use* **ALT**, **CTRL** *and or* **SHIFT** *is common use.*

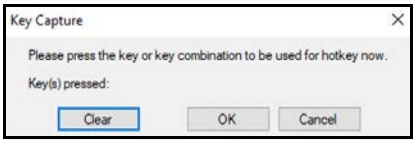

Figure 3-8. Key Capture

Note ***No single character output keys without modifying keys (ALT, CTRL, SHIFT) are allowed. This is to prevent creation of repetitive key output patterns.***

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3.1.2 QubeVu Device

1. Press to the right of ***QubeVu Device*** in the ***QubeVu Desktop App Menu*** (Figure 3-3 on page 4) to enter the ***QubeVu Device Menu***.

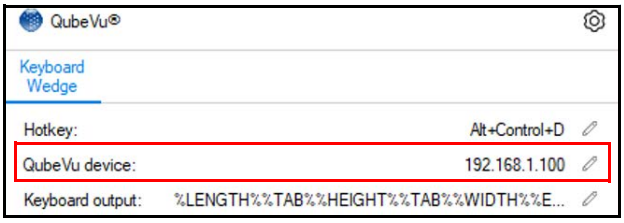

Figure 3-9. QubeVu Device Menu Selection

2. The ***QubeVu Device Menu*** allows the operator to specify the hostname or IP address of the iDimension device used.

Figure 3-10. QubeVu Device Name

3. Press to accept or press to cancel the edits.

Figure 3-11. Accept or Decline Edits

Validation helps identifies invalid IP addresses or if the connection to the iDimension fails by coloring the input field red.

Figure 3-12. Failed Name Validation

4. Press or ***QubeVu*** within the ***QubeVu Desktop App Menu*** (Figure 3-3 on page 4) to display the current version.

Figure 3-13. About Information Selection

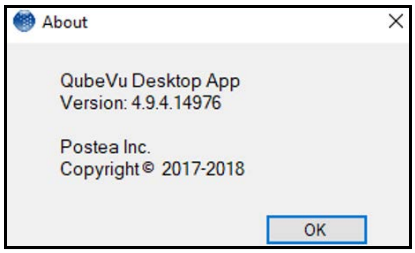

Figure 3-14. About Information

3.1.3 Keyboard Output

1. Press to the right of the ***Keyboard Output*** in the ***QubeVu Desktop App Menu*** (Figure 3-3 on page 4) to enter the ***Keyboard Output Menu***.

The Keyboard Output Menu allows the operator to specify the key sequence which is sent to the currently active window. The active window is the window that the cursor is currently flashing.
It is recommended to use a spreadsheet or word processing application for operation (Section 3.2 on page 8).

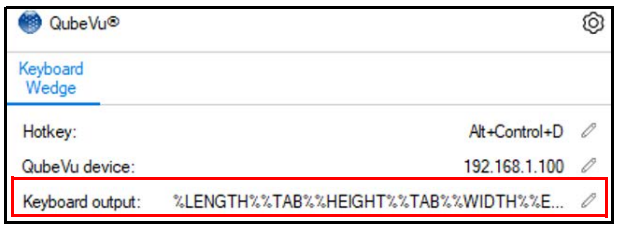

Figure 3-15. Keyboard Output Selection

2. Select the appropriate tokens to easily insert them into the ***Keyboard Output*** text field.

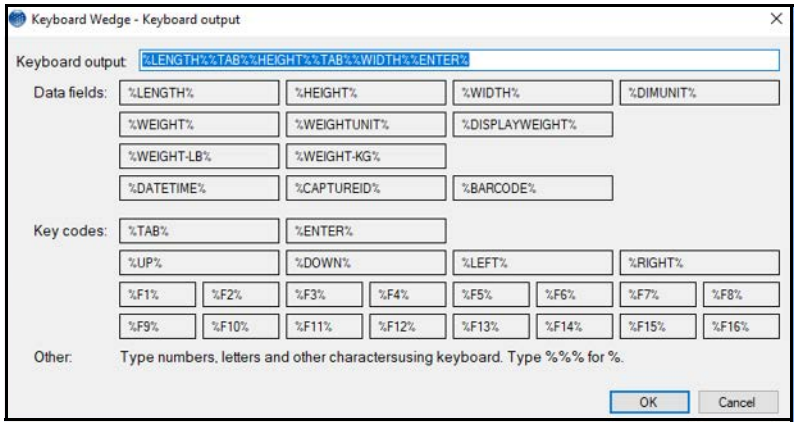

Figure 3-16. Keyboard Output Tokens

Data fields and certain special characters are enclosed by %. Text literals are allowed in the Keyboard Output field. To output "%", specify "%%%".

Data Fields

Data fields pull the information from the iDimension web service API. The following is a definition of the data fields available:

Data Fields	Description
%LENGTH%	Length field
%HEIGHT%	Height field
%WIDTH%	Width field
%DIMUNIT%	Units of measure defined in the ***QubeVu Manager Certification Menu***; Available selections: in, cm, mm, m
%WEIGHT%	Not recommended for use, provides a converted value from the scale display weight either in ounces or grams
%WEIGHTUNIT%	Not recommended for use, provides "oz" when the scale is in ***LB*** or ***LB/OZ*** mode or "g" when the scale is in ***KG*** mode
%DISPLAYWEIGHT%	Provides the scales displayed weight plus units of measure *Examples: 1.64 lb, 1 lb 10.0 oz, 0.74 kg*
%WEIGHT-LB%	Converts the %WEIGHT% data field to lb with no units of measure *Example: 1.64*
%WEIGHT-KG%	Converts the %WEIGHT% data field to kg with no units of measure *Example: 0.74*
%DATETIME%	Prints the iDimension date and time of the transaction *Example: 2019-10-11 17:10:54* ***NOTE: Can be converted in the custom setting of Excel.***
%CAPTUREID%	Prints the capture ID of the iDimension transaction
%BARCODE%	With a barcode reader attached to the iDimension, prints the text data of the supported keyboard wedge mode of the scanner
KeyCodes	Simulates the function of the listed keyboard commands
Other	Add numbers, letters, space key or other keyboard characters to the output format

Table 3-1. API Data Fields

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3.2 Operation

1. With the iDimension in the ***Ready*** state, place the package onto the platform.
2. With the iDimension in the ***Remove*** state, place the cursor in the active window and press **F2** on a connected keyboard. The values are printed.
3. Values are only available while the iDimension is in the ***Remove*** state. When the device returns to the ***Ready*** state all values return to zero and are not available.

Note ***Figure 3-17 is an example of use with Microsoft Excel with the valid configurations found in Figure 3-18 and Figure 3-19.***

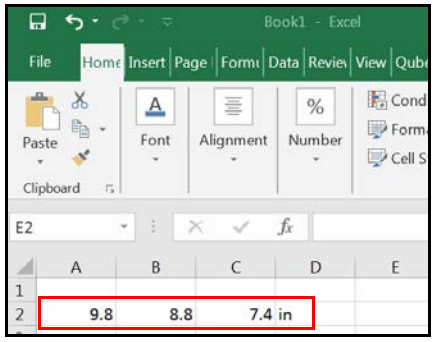

Figure 3-17. Keyboard Output Example

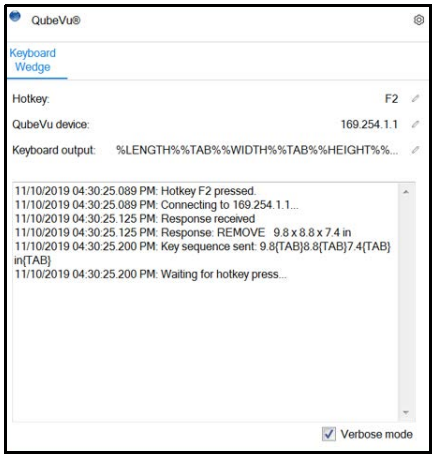

Figure 3-18. Keyboard Wedge Configuration

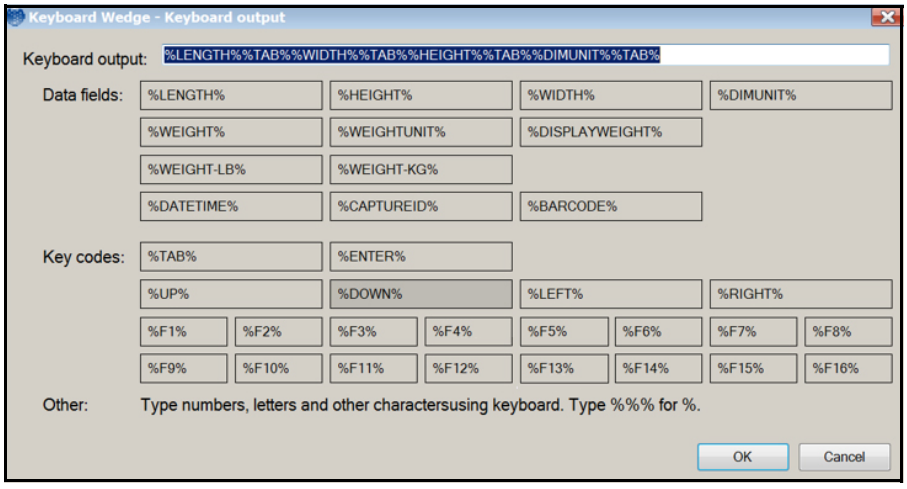

Figure 3-19. Keyboard Wedge - Output Configuration

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