# iDimension<sup>®</sup> CLS Bridge

PC Software

## **Software Manual**





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www.ricelake.com

## **Revision History**

This section tracks and describes manual revisions for awareness of major updates.

Revision	Date	Description
A	December 18, 2023	Initial manual release with product launch; Software version 1.0.0.0
В	March 22, 2024	Added language configuration; Menu updates; Software version 1.1.0.0
С	December 27, 2024	Added manual dimensioning configuration and operation; Software version 2.3.0.0

Table i. Revision Letter History



Technical training seminars are available through Rice Lake Weighing Systems. Course descriptions and dates can be viewed at <u>www.ricelake.com/training</u> or obtained by calling 715-234-9171 and asking for the training department.

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## 1.0 Introduction

This manual provides an overview of the iDim (iDimension<sup>®</sup>) CLS Bridge software installation and configuration procedures. The iDim CLS Bridge software interfaces the industrial PC it is installed on with a scale (CLS-680 indicator, Dini Argeo<sup>®</sup> LTP indicator or VIRTUi<sup>3®</sup>) and the iDimSS (iDimension Software Suite).



Manuals are available from Rice Lake Weighing Systems at www.ricelake.com/manuals

Warranty information is available at www.ricelake.com/warranties

() IMPORTANT: Read and adhere to all safety instructions and warnings from forklift and indicator manufacturers.

#### 1.1 System Requirements

- Windows 10<sup>®</sup> build 1607 or newer (64 bit only) or equivalent Windows<sup>®</sup> Server Operating System
- · 2.0 GHz processor or faster
- 250 MB drive space needed for install. Additional space will vary based on data retention requirements.
- 8 GB ram or greater
- · Ethernet TCP/IP connection for equipment and external system integration
- 802.11 ac/a/b/g/n Wi-Fi or greater for external data communication
- Touchscreen display (suggested)
- iDimSS Version 2.22 or greater running on external PC
- If using a scale, one of the following: VIRTUi<sup>3</sup>, CLS-680, or Dini Argeo LTP scale



## 2.0 Installation and Software Access

#### 2.1 iDim CLS Bridge Installation

- 1. Download the iDim CLS Bridge software from https://www.ricelake.com/software.
- 2. Unzip the file and then launch IDim\_CLS\_Bridge\_PN220981.Installer.exe.
- 3. Read the Rice Lake Weighing Systems License Agreement. Enable the check box if the terms are acceptable.



- 4. (Optional) Perform the following to change the installation location:
  - Select Options and then Browse to install iDimSS CLS Bridge in a user specified file location.
  - Select OK to return to the previous window.

IDim_CLS_Bridge_PN220981 Setup			×
IDim_CLS_Bridge_PN220	981		
Setup Options			
Install location:			
C:\Program Files (x86)\Rice Lake Weighing Systems\IDim_CLS	_Bridge_	Brows	se
	<u>O</u> K	<u>C</u> anc	el

Figure 2-2. iDim CLS Bridge Installation Options

- 5. Select Install.
- 6. The Installation Successfully Completed window displays, select Close. The iDim CLS Bridge is successfully installed.



Figure 2-3. iDim CLS Bridge Complete Installation Window



## 3.0 Basic iDim CLS Bridge Functions

#### 3.1 Launch iDim CLS Bridge Software

- 1. In the Windows Start menu, open the Rice Lake Weighing Systems folder.
- 2. Select Dim CLS Bridge
- 3. The application displays.

-							
R IDim_CLS_Bridge_PN220981						- 0	×
RICELAKE iDim-CLS Bridge (PN220981)				virtui	settings	about	
	WEIGHT						
	PRO Num	ber/Container Id		-			
	_			$\Diamond$			
	Select Din	nensioner					
				-			
	1	Dims and W	eight	<u>i</u> ç,			
	1	Dimensions	Only				
		Weight O	nly	<u> </u>			

Figure 3-1. iDim CLS Bridge

#### 3.2 Close iDim CLS Bridge Software

- 1. In the iDim CLS Bridge application, select the X icon.
- 2. The application closes.

R IDim_CLS_Bridge_PN220981					- 0 >	×
RICE LAKE iDim-CLS Bridge (PN220981)			virtui	settings	about	
	WEIGHT				1	
	PRO Number/Co	ntainer Id	♦			
	Select Dimension	ner				
			•			
	🕅 Di	ms and Weight	<u>86</u> 2			
	🕅 Di	mensions Only				
		Weight Only	802			
≝ () • • • () ≎ • •						

Figure 3-2. iDim CLS Bridge Close Button

### 3.3 Language Configuration

- 1. Navigate to the main view.
- 2. Select the flag that corresponds to the desired language.

R IDim_CLS_Bridge_PN220981				- 0	×
RICELAKE iDim-CLS Bridge (PN22	0981)	virtui	settings	about	
	WEIGHT				
	PRO Number/Container Id	$\diamond$			
	Select Dimensioner	•			
	Dims and Weight	<u>iş</u>			
	Dimensions Only				
	Weight Only	<u>∎</u> £>			
● 0 ● 0 0 ⊂ 0 ●	• 🔶	5			

Figure 3-3. iDim CLS Bridge Language Selection

3. The language in the application changes.

R IDim_CLS_Bridge_PN220981		8 <u>00</u> 0		Х
iDim-CLS Bridge (PN220981	) virtui paramètre	s env	iron	
P	OIDS			
N	imero de colis			
Sé	lectionner Dimensionner			
C	Dimensions et poids 🆦			
C	Dimensions seulemen			
	Poids seulement			
● 0 ● 0 0 ≎ 0 ● ●				

Figure 3-4. New Language Selected in iDim CLS Bridge



## 4.0 iDim CLS Bridge Elements

This section discusses iDim CLS Bridge software elements. Topics in this section include:

- Main View Elements (Section 4.1 on page 9)
- Settings Menu (Section 4.2 on page 10)
- About Window (Section 4.3 on page 12)

#### 4.1 Main View Elements

The main view displays when the software is launched and provides several elements that facilitate operation. Each element is identified in Figure 4-1.

Dim_CLS_Bridge_PN220981				- 0	×
RICE LAKE iDim-CLS Bridge (PN220981)	WEIGHT	A virtui	settings B	about C	~
	PRO Number/Container Id		<b>、</b>		
(E) G	Select Dimensioner	(F	)		
	Dims and Weight	ж (н	)		
K	Dimensions Only		)		
	Weight Only	L)	)		

Figure 4-1. Main View Elements

	Description
virtui	Launches VIRTUi <sup>3</sup> software if installed and configured in iDim CLS Bridge (see Section 5.8 on
	page 23).
settings	Opens the Settings menu (see Section 4.2 on page 10).
about	Opens the About window (see Section 4.3 on page 12).
Neight	Displays weight and unit of measure.
Pro Number/Container	Configures the Pro Number or a container ID with the integrated keypad or optional barcode scanner
D	(see Section 6.0 on page 24).
Eraser Button	Erases data from the Pro Number/Container ID field.
Select Dimensioner	Selects which dimensioner will be used.
	NOTE: The software automatically selects the first name in the drop-down menu when the application launches.
Dims and Weight	Processes the object's dimensions and weight.
Dimensions Only	Processes the object's dimensions.
Neight Only	Processes the object's weight.
QR code	Displays a QR Code containing data received from iDimSS.
	NOTE: The QR code is configured in the iDimSS. See iDimension Software Suite Software Manual (PN 201231) for more information.
₋anguages	Changes the language of the user interface
	<ul> <li>See Section 3.3 on page 8 for quick change configuration.</li> <li>See Section 5.1 on page 14 for default language configuration.</li> </ul>
	rtui ettings bout /eight ro Number/Container ) raser Button elect Dimensioner ims and Weight imensions Only /eight Only IR code anguages

Table 4-1. Main View Elements Descriptions

NOTE: Alibi compatibility is embedded in the software. There are no software parameters to modify this feature.

### 4.2 Settings Menu

#### 4.2.1 Access Settings Menu

1. From the main view, select **settings**.

R IDim_CLS_Bridge_PN220981						- 0	×
RICELAKE iDim-CLS Bridge (PN220981)				virtui	settings	about	
	WEIGHT				<b>≜</b>		
	PRO Num	ber/Container Id	Ì	$\Diamond$	I		
	Select Dir	nensioner					
				*			
		Dims and Wei	ght 📱	(c)			
	Ð	Dimensions O	nly				
		Weight Only	y B	₿ <mark>₽</mark>			
≜ () - = 0 = 3 ● ●							

Figure 4-2. Main View settings Button

2. The Settings menu appears.

R IDim_(	CLS_Bridge_PN	1220981			-	×
$\bigotimes$	Sett	ings				
	⊕	Languages Configure Language Settings	Home View Configure Home View Settings	Barcode Scanner Configure Barcode Scanner Settings	iDimSS Integration Configure (Limps) Integration	
		Forklift Configure Forklift Details	Dini Scale Configure Dini LTP Scale Settings	CLS CLS-680 Scale Configure CLS-680 Scale Settings	VIRTUI3 Scale Configure VIRTUIB Scale Settings	
	Vi	VIRTUI3 Viewer Configure VIRTUI3 Viewer				

Figure 4-3. Settings Menu



#### 4.2.2 Settings Menu Elements

Settings Menu contains several elements launch additional menus that facilitate configuration. Each element is identified in Figure 4-4.

R IDim_CL	.S_Bridge_PN220981			-	×
€	Settings	D	F	H	
A	Languages Configure Language Settings	Home View Configure Home View Settings	Barcode Scanner Configure Barcode Scanner bettings	iDimSS Integration Configure (JambS) Integration	
B	Forklift Configure Forklift Details	Dini Scale Configure Dini LTP Scale Settings	CLS CLS-680 Scale Configure CLS-680 Scale Settings	VIRTUI3 Scale Configure VIRTUI3 Scale Settings	
C	VIRTUI3 Viewer Configure VIRTUI3 Viewer	E	G		

Figure 4-4. Settings Menu with Elements Identified

ltem	Function	Description					
Α	Languages	Opens Language Settings (see Section 5.1 on page 14)					
В	Forklift	Opens Forklift Settings (see Section 5.5 on page 21)					
С	C VIRTUI3 Viewer Opens VIRTUi3 Viewer (see Section 5.8.2 on page 23)						
D	Home View	Opens Home View Settings (see Section 5.2 on page 15)					
E	Dini Scale	Opens Dini Scale Settings (see Section 5.6 on page 21)					
F	Barcode Scanner	Opens Barcode Scanner Settings (see Section 5.1 on page 14)					
G	CLS-680 Scale	Opens CLS-680 Settings (see Section 5.7 on page 22)					
Н	IDimSS Integration	Opens iDimSS Integration Settings (see Section 5.4 on page 18)					
I	VIRTUI3 Scale	Opens VIRTUi3 Scale Settings (see Section 5.8.1 on page 23)					

Table 4-2. Settings Menu Element Descriptions



#### 4.3 About Window

#### 4.3.1 Access About Window

- 1. Navigate to the main view.
- 2. Select about.

R IDim_CLS_Bridge_PN220981					- 0	×
PICELAKE iDim-CLS Bridge (PN220981)			virtui	settings	about	
	WEIGHT					
					T	
	PRO Number	/Container Id				
			$\diamond$			
IDIM-CLS Bridge (PN220981)  WEIGHT PRO Number, Select Dimens						
	Select Dimens	sioner				
		Dims and Weight	<u> </u>			
		Dimensions Only				
		Weight Only	<u>B</u> Q2			
🚍 U 🗶 🛡 U 🖕 🔍 🚍 💻						

Figure 4-5. Main View about Button

3. The About window slides out from the right side.

R IDim_CLS_Bridge_PN220981						×
RICE LAKE iDim-CLS Br	$\bigcirc$	About				
		Product:	IDim_CLS_Bridge_PN220981			
		Version:	1.1.0.0			6
		Build Date:	Mon 03/11/2024 8:24:03.21			1
0		Copyright:	Copyright © Rice Lake Weighing Systems			
		Company:	Rice Lake Weighing Systems			3
		Details:	IDim-CLS Bridge PN220981			
			This application requires iDimSS version 2.22 or newer to op	oerate o	correct	ly.

Figure 4-6. About Window



#### 4.3.2 About Elements

The About window contains several elements that provide supplemental information about the software. Each element is identified in Figure 4-7.

R IDim_CLS_Bridge_PN220981			<u></u>		×
RICELAKE iDim-CLS Br					
	A Product:	IDim_CLS_Bridge_PN220981			
	B Version:	1.1.0.0			
	C Build Date:	Mon 03/11/2024 8:24:03.21			
	D Copyright:	Copyright © Rice Lake Weighing Systems			
	$\underbrace{(E)}_{E}$ Company:	Rice Lake Weighing Systems			
	F Details:	IDim-CLS Bridge PN220981			
	(6	This application requires iDimSS version 2.22 or newer to op	erate o	correctl	ly.

Figure 4-7. About Window with Elements Identified

Item	Function	Description
А	Product	Displays the product name
В	Version	Displays the software version number
С	Build Date	Displays when the software was released
D	Copyright	Displays copyright information
E	Company	Displays developer company name
F	Details	Displays name and part number of the software
G	iDimmSS Requirements	Displays iDimSS version requirements

Table 4-3. About Window Element Descriptions



## 5.0 Configuration

This section discusses how to configure settings. In order for the iDim CLS Bridge to operate, ensure iDimSS, Forklift and Scale settings are configured.



NOTE: The Settings menu contains multiple scale settings menus (VIRTUi<sup>3</sup>, CLS-680, or Dini Argeo LTP scale), only settings for the scale installed on the forklift must be configured. The following topics are discussed in this section:

- Default Language Configuration (see Section 5.1)
- Home View Configuration (see Section 5.2 on page 15)
- iDimSS Integration Configuration (see Section 5.4 on page 18)
- Forklift Settings Configuration (see Section 5.5 on page 21)
- Dini Argeo LTP Scale Settings Configuration (see Section 5.6 on page 21)
- CLS-680 Scale Settings Configuration (see Section 5.7 on page 22)
- VIRTUi3 Configuration (see Section 5.7 on page 22)

#### 5.1 Default Language Configuration

- 1. Navigate to Language Settings
- 2. Select the Default Language drop-down menu.
- 3. Select the default language.
- 4. Select Save to commit the changes or select Cancel to abort.

Dim_C	LS_Bridge_PN220981		100 C	٥	×
	Language	Settings			
->	Default Language:	English			•
		Save	C	ancel	

Figure 5-1. iDim CLS Bridge Default Language Selection

NOTE: The language changes only on the application screen.

R IDim_CLS_Bridge_PN220981				- 0	Х
RICE LAKE iDim-CLS Bridge (PN2209	81)	virtui	paramètres	environ	
	POIDS	٦			
	Numero de colis				
	Sélectionner Dimensionner	•			
	Dimensions et poids	<b>1</b> 0-			
	Dimensions seulemen				
	Poids seulement	<b>1</b> 62			
(≜ () ← © () ⊂ () ● ●					-

Figure 5-2. New Language Selected in iDim CLS Bridge

#### 5.2 Home View Configuration

- 1. Navigate to Home View Settings.
- 2. Configure the following parameters:
  - Dim and Weight Button Enabled: Check the box to enable the Dim and Weight Button function.
  - Dim Only Button Enabled: Check the box to enable the Dim Only Button function.
  - Weight Only Button Enabled: Check the box to enable the Weight Only Button function.
  - · Select Capture Results Display Method: Choose between the following display options.
    - As Text: Shows weight results as numerical data.(see Section Figure 5-4. on page 16)
    - As Thumbs Up/Down: Shows weight results as a thumbs up or down icon (see Section Figure 5-5. on page 16)

Dim_CLS_Bridge_PN220981	– <del>0</del> ×
	gs
Dim and Weight Button Enabled: Dim Only Button Enabled: Weight Only Button Enabled: Select Capture Results Display Method:	As Text     Save Cancel

Figure 5-3. Home View Settings

3. Select Save to commit the changes or select Cancel to abort.

RIDim_CLS_Bridge_PN220981					×
IDim-CLS Bridge (PN220981)	vi	rtui s	settings	about	
	2835 lb	1	2	3	
	PRO Number/Container Id	4	5	6	
	123456789 ♦ Select Dimensioner	7	8	9	
	Home		0	Q	
	🗊 Dims and Weight 👪	Capture F Length: Width:	Results 14.0 in 11.8 in		x
	Dimensions Only	Height: Volume: Weight:	3.0 in 495.60 sq in 2835 lb	1	
国际起来	Weight Only 🏼 😂				

Figure 5-4. Weight Results as Numerical Data

Dim_CLS_Bridge_PN220981	241	vilatur!		- 0 >
IDIM-CLS Bridge (PN2209)	31)	VIFTUI	settings	about
	WEIGHT 110 Ib	1	2	3
	PRO Number/Container Id	4	5	6
		7	8	9
	Select Dimensioner	×	0	
	Dims and Weight (F1)	Capture Re	esults	9
	Dimensions Only (F2)			

Figure 5-5. Weight Results as Thumbs Up/Down



#### 5.3 Barcode Scanner Settings Configuration

NOTE: A barcode scanner is optional and configuration may not apply to all systems.

- 1. Navigate to Barcode Scanner Settings.
- 2. Activate the Enabled check box.
- 3. Set the Connection type as either TCP/IP or RS232.
- 4. Perform one of the following:
  - A. If using TCP/IP, configure the **Listening Port** as the TCP Port number used by the application to listen for incoming TCP/IP data from the barcode scanner.
  - B. If using RS232, configure the following:
    - Serial Port: Set the communication port number on the PC the barcode scanner is connected to.
    - Baud Rate: Set the baud rate of the serial port (1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200).
    - Data Bits: Set data bits of the serial port (7 or 8).
    - Parity: Set the parity of the serial port (none, odd, even, mark or space).
    - Stop Bits: Set the number of stop bits transmitted or received by the port (none, one, two, onepointfive).

R IDim_C	LS_Bridge_PN220981		_		×
$\bigotimes$	Barcode	Scanner Settings			
211	Enabled:	$\checkmark$			
	Connection Type:	TCP/IP		,	•
	Listening Port:	39171			
	Serial Port:			,	-
	Baud Rate:	9600			•
	Data Bits:	8		,	•
	Parity:	None		,	•
	Stop Bits:	One			•
	Changing these settings wi	Il require a restart of the application for the changes to take effect.			
		Save	C	ancel	
		Figure F.C. Demanda Oceaning Octions			

Figure 5-6. Barcode Scanner Settings

5. Select Save to commit the changes or select Cancel to abort.

#### 5.4 iDimSS Integration Configuration

#### 5.4.1 Add a iDimSS Integration

- 1. Navigate to **iDimSS Integration**.
- 2. Select Add.

R IDim_	CLS_Bridge_PN220981					-	
¢	iDimSS I	ntegratio	on	<b>↓</b>			
	Search		<u>۶</u>	+ Add			
	Dimensioner Name	iDimSS IP Address	iDimSS Port	Enabled	Manual		
	Default	127.0.0.1	5001	<ul> <li>Image: A start of the start of</li></ul>		Edit	Delete

Figure 5-7. Edit iDimSS Integration Add Button

- 3. The Edit iDimSS Integration window displays.
- 4. Configure the following parameters:
  - Enabled: Enable this check box to display the dimensioner in the Select Dimensioner drop-down menu (see Figure 4-2 on page 10) in the main view.
  - Manual Entry: Enable this check box to allow for manual dimensioning.
  - Dimensioner Name: Add the exact name of the dimensioner that is configured in iDimSS.
  - IP Address: Enter the IP address of the computer running iDimSS. The IP address can be configured as the same value for multiple dimensioners setup in the iDimSS.
  - Port: Enter the listening port used by the computer running iDimSS (the default port for iDimSS is 5001).
- 5. Select Save to commit the changes or select Cancel to abort.

R IDim	_CLS_Bridge_PN220981					-		×
${}^{\textcircled{\baselineskip}}$	Edit iDim	SS Integration						
l r	Enabled:	$\checkmark$	Manual Entry:					
	Dimensioner Name:	Home			Dimensioner name must match t configured dimensioner name in iDimSS.			e
	iDimSS IP Address:	127.0.0.2						
[	iDimSS Port:	5001						
				->	► Save	С	ancel	

Figure 5-8. Edit iDimSS Integration Configured

6. If **Save** is selected, the new dimensioner is added to iDimSS Integration.

R IDim_(	CLS_Bridge_PN220981							×
$\bigotimes$	iDimSS I	ntegratio	on					
	Search	Search		Add				
	Dimensioner Name	iDimSS IP Address	iDimSS Port	Enabled	Manual			
	Default	127.0.0.1	5001	✓		Edit	Delet	e
	Home	127.0.0.2	5001	✓		Edit	Delet	e

Figure 5-9. Edit iDimSS Integration Configured



#### 5.4.2 Edit a Dimensioner

- 1. Navigate to **iDimSS Integration**.
- 2. Select **Edit** to change a configured iDimSS integration.

R IDim_(	CLS_Bridge_PN220981							×
$\bigotimes$	iDimSS I	ntegratic	n					
	Search		<u>۶</u>	Add				
	Dimensioner Name	iDimSS IP Address	iDimSS Port	Enabled	Manual			
	Default	127.0.0.1	5001	$\checkmark$		Edit	Delet	e
	Home	127.0.0.2	5001	$\checkmark$		Edit	Delet	e

Figure 5-10. Edit iDimSS Integration Edit Button

- 3. The Edit iDimSS Integration window displays.
- 4. Edit parameters as required (see Section 5.4.1 on page 18 for parameter descriptions).
- 5. Select **Save** to commit the changes or select **Cancel** to abort.

R IDin	_CLS_Bridge_PN220981					_		$\times$
	Edit iDim	SS Integration						
	Enabled:	$\checkmark$	Manual Entry:					
	Dimensioner Name:	Home			Dimensioner nam configured dimen: iDimSS.	match tl ame in	ne	
	iDimSS IP Address:	127.0.0.4						
	iDimSS Port:	5001						
				>	► Save	С	ancel	

Figure 5-11. Edit iDimSS Integration

6. If **Save** is selected, the changes to the dimensioner's configuration are saved.

R IDim_(	CLS_Bridge_PN220981						$\rightarrow$		$\times$
$\bigotimes$	iDimSS I	ntegratio	on						
	Search		⊘ (	+ Add					
	Dimensioner Name	iDimSS IP Address	iDimSS Port	Enabled	Manual				
	Default	127.0.0.1	5001	✓		Edit		Delete	
	Home	127.0.0.4	5001	✓		Edit		Delete	
		- <u> </u>							

Figure 5-12. Edit iDimSS Integration Configured



#### 5.4.3 Delete a Dimensionser

- 1. Navigate to iDimSS Integration.
- 2. Select Delete adjacent to the iDimmSS integration to be removed.

R IDim_	CLS_Bridge_PN220981						-		$\times$
$\bigotimes$	iDimSS I	ntegratio	on						
	Search		$\diamond$	🕂 Add					
	Dimensioner Name	iDimSS IP Address	iDimSS Port	Enabled	Manual				
	Default	127.0.0.1	5001	$\checkmark$		Edit		Delete	:
	Home	127.0.0.4	5001	<ul> <li>Image: A start of the start of</li></ul>		Edit		Delete	
	Home	127.0.0.4	001			Edit		Dele	te

Figure 5-13. iDimSS Integration Delete Button

- 3. A delete confirmation window appears.
- 4. Select Yes to delete or No to cancel.

R IDim_CLS_Bridge_PN220981 -	×
Confirm Delete iDimSS Dimensioner	
Are you sure you want to delete this iDimSS dimensioner?	
Yes No	

Figure 5-14. iDimSS Integration Delete Confirmation

5. If **Yes** is selected, the iDimSS Integration is removed.

R IDim_	CLS_Bridge_PN220981						—		×
$\bigotimes$	iDimSS I	ntegratic	on						
	Search		<u>&gt;</u> (+	Add					
	Dimensioner Name Default	iDimSS IP Address	iDimSS Port	Enabled	Manual	Edit		Delet	
	<u> </u>		 		 				

Figure 5-15. iDimSS Entry Removed



#### 5.5 Forklift Settings Configuration

- 1. Navigate to Forklift Settings.
- 2. Configure the following parameters:
  - Forklift Id: Set the forklift Id that is used to identify the forklift in iDimSS. This enables dimensioner Stop and Go functionality.

NOTE: If the selected dimensioner does not support Stop and Go functionality, avoid configuring this field. Configuring this parameter for dimensioners incompatible with Stop and Go causes the capture operation to function incorrectly.

- Indicator Type: Set the type of indicator used on the forklift as either VIUTUi3, Dini LTP, CLS-680 or None. This configuration must match the type of installed hardware to receive weight information.
- 3. Select Save to commit the changes or select Cancel to abort.

R IDim_	CLS_Bridge_PN220981		_		×		
	Forklift Se	ttings					
Г	Forklift Id:	2					
	Entering a Forklift Id will change the dimensioning process from 'Drop and Clear' to 'Stop and Go'.						
	Indicator Type:	Virtui 3			·		
			С	ancel			

Figure 5-16. Forklift Settings

4. If **Save** is selected, the configuration settings are saved.

#### 5.6 Dini Argeo LTP Scale Settings Configuration

MOTE: The Dini Argeo LTP scale requires the Alibi memory module to be installed to function correctly with iDim CLS Bridge.

- 1. Navigate to Dini LTP Scale Settings.
- 2. Configure the following parameters:
  - Serial Port: Set the communication port number on the PC the Dini Argeo LTP scale is connected to.
  - Baud Rate: Set the baud rate of the serial port (9600, 19200, 38400, 57600, or 115200).
  - Data Bits: Set data bits of the serial port (7 or 8).
  - **Parity:** Set the parity of the serial port (none, odd, even, mark or space).
  - Stop Bits: Set the number of stop bits transmitted or received by the port (none, one, two, onepointfive).
- 3. Select **Save** to commit the changes or select **Cancel** to abort.

R IDim_	CLS_Bridge_PN220981		-		×
${}^{\textcircled{\baselineskip}}$	Dini LTP S	cale Settings			
	Serial Port:	COM8			-
	Baud Rate:	115200			-
	Data Bits:	8			-
	Parity:	None			-
	Stop Bits:	One			3
		Save	C	ancel	

Figure 5-17. Dini LTP Scale Settings



4. If **Save** is selected, the configuration settings are saved.

#### 5.7 CLS-680 Scale Settings Configuration

- 1. Navigate to CLS-680 Scale Settings.
- 2. Set the **Connection type** as either **TCP** or **RS232**.
- 3. Perform one of the following:
  - A. If using TCP, configure the following:
    - IP Address: Set as the IP address of the CLS-680 scale.
    - Port: Set as the port of the CLS-680 scale.
  - B. If using RS232, configure the following:
    - Serial Port: Set the communication port number on the PC the CLS-680 scale is connected to.
    - Baud Rate: Set the baud rate of the serial port (9600, 19200, 38400, 57600, or 115200).
    - Data Bits: Set data bits of the serial port (7 or 8).
    - Parity: Set the parity of the serial port (none, odd, even, mark or space).
    - Stop Bits: Set the number of stop bits transmitted or received by the port (none, one, two, onepointfive).
- 4. Select Save to commit the changes or select Cancel to abort.

RIDim_CLS_Bridge_PN220981		-	0	×
	Scale Settings			
Connection Type:	ТСР			•
IP Address:	192.168.1.145			
Port:	10001			
Serial Port:	СОМЗ			•
Baud Rate:	9600			•
Data Bits:	8			•
Parity:	None			•
Stop Bits:	One			•
	Save	) c	ancel	

Figure 5-18. CLS-680 Scale Settings

5. If **Save** is selected, the configuration settings are saved.

## 5.8 VIRTUi<sup>3</sup> Configuration

#### 5.8.1 VIRTUi3 Scale Settings

- 1. Navigate to VIRTUi3 Scale Settings.
- 2. Configure the following:
  - IP Address: Set as the IP address of the PC running VIRTUi<sup>3</sup>.
  - **Port:** Set as the port of the PC running VIRTUi<sup>3</sup>.
- 3. Select **Save** to commit the changes or select **Cancel** to abort.

RIDim_C	LS_Bridge_PN220981		-		×
$\bigcirc$	VIRTUi3 S	cale Settings			
	IP Address:	127.0.0.1			
	Port:	30355			
		Save	с	ancel	

Figure 5-19. VIRTUi3 Scale Settings

4. If **Save** is selected, the configuration settings are saved.

#### 5.8.2 VIRTUi3 Viewer Settings

- 1. Navigate to VIRTUi3 Viewer Settings.
- 2. Set VIRTUi3 Path as the file path of the VIRTUi<sup>3</sup> viewer.
- 3. Select **Save** to commit the changes or select **Cancel** to abort.

0	×
Cancel	
	Cancel

Figure 5-20. VIRTUi3 Viewer Settings

4. If **Save** is selected, the configuration settings are saved.

## 6.0 Operation

Processing a container transmits the container Id and results to iDimSS. The type of results vary depending on the aquisition function (Dims and Weight, Dimensions Only or Weight Only).

WARNING: The following procedure involves using a forklift. Before using the forklift, read and adhere to the manufacturer's safety warnings and information.

#### 6.1 Using a Dimensioner

1. Select a dimensioner from the Select Dimensioner drop-down menu.

R IDim_CLS_Bridge_PN220981				-		×
RICELAKE iDim-CLS Bridge (PN2209	81) vir	tui	settings	abou	t	
	WEIGHT	]				
	PRO Number/Container Id					
	Select Dimensioner					
->	LTL	·				
	LTL					
	LTL XL					
	*					
	Weight Only 🐁					
≜0∙•0≎ 0 = •				-		d

Figure 6-1. iDim CLS Bridge with Select Dimensioner Expanded

- 2. Select the PRO Number/Container Id field. A keypad adjacent to the field appears.
- 3. Enter a value in the PRO Number/Container Id field by using the keypad or optional barcode scanner.

R IDim_CLS_Bridge_PN220981				_	
RICELAKE iDim-CLS Bridge (PN220981)		virtui	settir	ngs ab	out
WEIG	нт				
			1	2	3
PRO	Number/Container Id	_ [	4	5	6
→ <u>12</u>	234567890		7	8	9
LT		•	×	0	
	Dims and Weight	<u>j</u> ç,			
Ŷ	Dimensions Only				
	Weight Only	<u> </u>			

Figure 6-2. iDim CLS Bridge with Keypad Displayed



- 4. Lift the container with the forklift. If using a scale, ensure a valid weight is displayed in the application.
- 5. Transport the object to the dimensioner and align with the dimensioning system.
- 6. Park the forklift.
- 7. Select **Dims and Weight**, **Dimensions Only** or **Weight Only** to perform data acquisition.

NOTE: Acquisition buttons are only available when the scale is stabilized.

8. Once complete, the captured data displays in the application and is sent to the iDimSS.

PN220981			-	0	×
DIGE LAKE iDim-CLS Bridge (PN220981)	v	rirtui se	ettings a	bout	
	WEIGHT 2835 Ib	1	2	3	
	PRO Number/Container Id	4	5	6	
	Select Dimensioner	7	8	9	
	Home	• 🗵	0		
		Capture R	esults		x
	🐑 Dims and Weight 🔛	Length: Width:	14.0 in 11.8 in		
1201 1201 1201	Dimensions Only	Height: Volume: Weight:	3.0 in 495.60 sq in 2835 lb		
国際超短	Weight Only 🎎				

Figure 6-3. iDim CLS Bridge with Capture Results (Using Dimensioner)

9. Resume transporting the container.

#### 6.2 Using Manual Dimensioning Functions

1. Select a dimensioner from the **Select Dimensioner** drop-down menu.

R IDim_CLS_Bridge_PN220981					- 0	×
RICELAKE iDim-CLS Bridge (PN22098)	1)	virtui	set	tings	about	
	WEIGHT					
	~~~~~		1	2	3	
	PRO Number/Container Id		4	5	6	
	123456789 4	2	7	8	9	
	Select Dimensioner		X	0		a
	Default	•		U		
	Default					
	Manual Dimensioner	-				
	Dimensions Only (F2)	J				
	Weight Only (F3)					

Figure 6-4. iDim CLS Bridge with Select Dimensioner Expanded

**NOTE:** Manual Dimensioning functions will not be accessible unless the Manual Entry option was checked when adding dimensioner (See "iDimSS Integration Configuration" on page 18).



2. Select the Units drop-down menu and select desired unit of measure.

R IDim_CLS_Bridge_PN220981				- 0	×
RICELAKE iDim-CLS Bridge (PN22098	31)	virtui	settings	about	
Units:	ANDIAN STREET	virtui	settings 1 2 4 5 7 8 × 0	about 3 6 9	
	•				

Figure 6-5. iDim CLS Bridge with Units Expanded

3. Enter values for Length, Width and Height fields.

R IDim_CLS_Bridge_PN220981				
iDim-CLS Bridge (PN22	0981)	/irtui	settings	about
	WEIGHT	1		
Units: in	~~~~~	1	2	3
Length: 16	PRO Number/Container Id	4	5	6
Width: 12	123456789	7	8	9
Height: 9	Manual Dimensioner	×	0	
	Dims and Weight (F1)			
	Dimensions Only (F2)			
	Weight Only (F3)			

Figure 6-6. iDim CLS Bridge with Units Entered

- 4. Select the PRO Number/Container Id field. A keypad adjacent to the field appears.
- 5. Enter a value in the PRO Number/Container Id field by using the keypad or optional barcode scanner.
- 6. Lift the container with the forklift to weigh.
- 7. Select Dims and Weight or Dimensions Only to perform data acquisition using manual dimension input.



8. Once complete, the captured data displays in the application and is sent to the iDimSS.

Dim-CLS Bridge (DN220981)			sattings	ahor
TOWINGES BRUKE (PN220761)			settings	abou
	WEIGHT			
Units: in	· ~~~~~	1	2	3
Length: 16	DPO Number (Container Id	4	5	e
10	123456789	<u>م</u>		
Width: 12		/	8	,
Height: 9	Select Dimensioner Manual Dimensioner	. ×	0	0
		Capture Resu	lts	
	Dims and Weight (F1)	Length: Width:	16.0 in 12.0 in	
		Height: Volume:	9.0 in 1728.00 sq in	
	Dimensions Only (F2)	Weight:	552.0 lb	
	Weight Only (F3)			
	Weight Only (F3)			

Figure 6-7. iDim CLS Bridge with Capture Results (Manual Dimensioner)

9. Resume transporting the container.

## 7.0 Error Messages

#### 7.1 Application Error Message

In the event of an error, the application displays an error message. These messages provide details regarding what caused the error to occur. Read the message and attempt to resolve the issue. The following is an example when an IP Address was incorrectly set in the CLS-680 configuration.

R IDim_CLS_Bridge_PN220981		<u></u>	×
€ CLS-680 S	Scale Settings		
CLS-	680 Scale Settings		
	Unable to save the CLS-680 scale settings to the database. The error details have been logged.		

Figure 7-1. Application Error Message Example

The application records errors in log files on the PC in the following location:

C:\ProgramData\Rice Lake Weighing Systems\IDim\_CLS\_Bridge\_PN220981\logs\

#### NOTE: See Windows Help to display Hidden Folders if the ProgramData folder is missing.

The file creation date is embedded into the log filename using the format of logYYYYMMDD.JSON. Where:

YYYY = Year MM = Month DD = Day JSON = JavaScript Object Notation For example, log20231127.JSON



#### 7.2 Capture Result Errors

The following examples display an error where capture results return err (error) messages. Frequently these messages occur when the iDimSS IP address is set incorrectly. Verify IP addresses are set correctly and retry processing.

RIDim_CLS_Bridge_PN220981						- 0 ×	<
RICELAKE iDim-CLS Bridge (PN220981)			vir	tui se	ettings	about	
	WEIGHT	2835	lb	1	2	3	
	PRO Num	ber/Container Id		4	5	6	
	Select Dim	ensioner		7	8	9	
	Hon	ne	•	×	0		
				Capture R	esults	X	
	<b>(</b>	Dims and Weight	<u>i</u>	Length: Width	err		
	1	Dimensions Only		Height: Volume:	err err		
		Weight Only	<u></u>	Weight:	err		
							đ

Figure 7-2. Capture Results Error Messages Example as Text

R IDim_CLS_Bridge_PN220981				- 0 X
RICELAKE iDim-CLS Bridge (PN220981)		virtui	settings	about
	WEIGHT 110			
	110	o 1	2	3
	PRO Number/Container Id	4	5	6
	123	2 7	8	9
	Select Dimensioner	. 🗵	0	
		Capture	Results	x
	Dims and Weight (F1)		-	
	Dimensions Only (F2)			
	Weight Only (F3)			
≜ () – € () ⊂ 3 ● ●				

Figure 7-3. Capture Results Error Messages Example as Thumbs Up/Down







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