PrimeVue Manager – ServCom Configuration

Purpose of Document

To demonstrate how to configure ServCom in PrimeVue Manager (also referred to as Server Config).

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0.0 Introduction

Log in using your user name and password.

PrimeVue - Manager	
username	
password	
Cancel	Login

To configure ServCom for a new sign, click "Create new sign profile." For other options, *see 9. Sign Management*.

	PrimeVue Manager (2.1.18v)	- 8 ×
G O-	No. 20 Defende Michele 704 11. 2012 Co. 20 000000	
	Name: Default Wildm: 704 Height 192 Senai: 000000	
Basic Settings		
Sign Layout		
Advanced		
Channels	Sign Management	
Diagnostics	Please select a method for editing a profile Create new sign profile	
Color Management		
Peripheral Devices	Load profile from file	
Live Status	Download profile from sign	
Sign Management		
	Please select a method for saving a profile Save profile to disk	
	create server installation	
	Upload profile to sign	
	View Live Sign Status	
	Update Sign Software	
Zoom Level		
100%		
	1	

1.0 Basic Settings

1.1 Name

Enter the desired name of sign into the text box. If unchanged, sign's name will remain "Default."

	PrimeVue Manager (2.1.18v)	- 0 ×
 Basic Settings Sign Layout Advanced Channels Diagnostics Color Management Peripheral Devices Live Status Sign Management 	Name: Default Width: 704 Height: 192 Serial: 000000	
Zoom Level		

1.2 Serial Number

The Serial Number field is used for the TeamViewer number. This number appears in feedback emails. Enter the TeamViewer of the sign in the Serial Number field, if the sign has a TeamViewer number.

1.3 Sign Resolution

Use the **Width** and **Height** boxes to enter in the appropriate resolution of the sign. Always enter the physical size of the sign, not the Virtual Pixel size.

If an improper measurement is entered, the number will be displayed in red. Correct measurements are displayed in black.

	PrimeVue Manager (2.1.18v)	- 0 ×
G 0.	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings Sign Layout Advanced Channels Diagnostics Color Management Peripheral Devices Live Status Sign Management	Name: Default Width: 704 Height: 192 Serial: 000000 Basic Settings Name: Default Serial #: 000000 Width: 704 Height: 192 Controller: DIS14 Data Direction: Top to Botton Output Rate: 30 FPS Role: NONE Display Board LED Board: P20DPD_X Board Width: 16 Style: Color Board Width: 16 Style: Color	
Zoom Level	Driver: MBI5030 ~ Set	

1.4 Controller

The controller refers to the hardware that drives the LED boards.

Select the type of controller the board uses. Options are DIS12+ and DIS14.



1.5 Data Direction

Data direction refers to the way the sign is wired. Most signs are wired top to bottom. Select this option unless the sign, usually an EMC sign, is wired from bottom to top.



1.6 Output Rate

The output rate should be set to 30 fps for EMC signs and 5 fps for billboards.

	PrimeVue Manager (2.1.18v) -	ð ×
G O•	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings		
Sign Layout		
Advanced		
Channels		
Diagnostics	Basic Settings	
Color Management		
Peripheral Devices	Name: Default Serial #: 000000	
Live Status	Width: 704 Height: 192 Controller: DIS14 ~	
Sign Management	Data Direction: Top to Botton V Output Rate: 30 FPS V	
	None Dienlay Board	
	LED Board: P20DPD_X ~	
	Board Width: 16 Style: Color Board Heighth 8 Style: Last and	
	Driver: MBI5030 V	
	Set	
Zoom Level		
100%		

1.7 Computer Role

Under "Role," select the appropriate role for the configuration. Options are as follows:

NONE – A stand-alone computer SENDER – A primary computer BACKUP – A secondary computer MASTER – Not implemented. Do not use

	PrimeVue Manager (2.1.18v)	- 0 ×
0 0.	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings Sign Layout Advanced Channels Diagnostics Color Management Peripheral Devices Live Status Sign Management	Name: Default Width: 704 Height: 192 Sena: 000000 Basic Settings Name: Default Serial #: 000000 Width: 704 Height: 192 Controller: DIS14 Data Direction: Top to Bottor Utput Rate: 30 FPS Board Width: 16 Style: Color Board Width: 16 Style: Color Board Width: 16 Style: Color Board Height: 8 Virtual Pixel: True Drive: MBI5030 Set	
Zoom Level		

Specifying NONE means there is no backup computer. Starting ServCom will allow the sign to send frames immediately.

Specifying SENDER sets the sign to rely on a backup. If a sender finds a backup, it sends frames immediately. If it doesn't, it times out before sending frames. (Timing out typically takes a minute or two.)

IMPORTANT: A primary computer needs to have a backup defined. If no backup is defined, it will not send out frames, resulting in a blank screen.

A computer specified as a BACKUP will not send out frames if it finds the primary source. It idles until the primary source fails; this causes the BACKUP to send out frames immediately.

Specifying MASTER is not yet implemented. Please ignore this option.

1.8 LED Board

In the display board section, select the appropriate model of LED Board. Corresponding information for each board will be displayed below the drop-down menu.

	PrimeVue Manager (2.1.18v)	- 0 ×
0 0-	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings		
Sign Layout		
Advanced		
Channels		
Diagnostics	Basic Settings	
Color Management		
Peripheral Devices	Name: Default Serial #: 000000	
Live Status	Width: 704 Height: 192 Controller: DIS14 Y	
Sign Management	Data Direction: Top to Botton * Output Rate: 30 FPS *	
	Display Board LED Board: P20DPD_X Board Width: 16 Style: Color Board Height: 8 Virtual Pixel: True Driver: MBI5030 Set	
Zoom Level		
100%		

1.9 Driver

Beneath the Display Board section, use the Driver drop-down menu to select the appropriate driver.

WARNING: Selecting an inappropriate driver will give erroneous feedback reports.

Once all the above information fields have been properly completed, **click the Set button.** This will open the Sign Layout section, which may also be accessed via the "Sign Layout" tab.

2.0 Sign Layout

2.1 Controller Creation

In the Sign Layout section, a matrix of the sign's display boards will be displayed according to the resolution of the sign as entered in the **Basic Settings** section.

To enter controller setup into the program: Click and drag to select the number of boards for the first controller. When the "Create Controller from Selection" dialog appears, click "Yes" to create the controller.

	PrimeVue Manager (2.1.18v)	- 🗇 🗙
G O-		
	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings	Controllers Face: Add Face Face v	
Sign Layout		
Advanced		
Channels		
Diagnostics		
Color Management		
Peripheral Devices		
Live Status		
Sign Management		
Zoom Level		
100%		

2.2 Controller Settings

The next page will give the option to Auto Assign Outputs. This should be selected if and only if the sign has one row of display boards per output on the controller.

		PrimeVue Manager (2.1.18v)	-	ð ×
G0.	Name: Default Width: 704 Height: 192 Serial: 000000			
	Controllers Face: Add Face Face *			
		Output Settings		
		Auto Assign Outputs Set Outputs		
		Cancel Apply		
Zoom Level				
100%				

For other wirings, uncheck "Auto Assign Outputs" and click the "Set Outputs" button. This will bring you to a display of the board matrix for the controller currently being created. Click and drag to select the number of rows in the first controller. When the "Assign Selection to Output?" option appears, select the letter of the corresponding output. (These outputs are marked on the physical controller.) Repeat for each output.

	PrimeVue Manager (2.1.18v)	- 8 ×
O O•	News Default Wester 704 Historie 100 Sector 00000	
	race: Add race Face *	
	Manual Controller Output Assignment	
	وماحت الأرغابة الأراها بقارية القراعة بقابة بقابة بقابة فالقراعة فالقراعة القرعات القراعة القريفة القراعة القر	
	Assign Selection to Output? A 🗸	
	No Yes	
Zoom Level		
	c	
100%	Done	

Click **Done** to return to the Output Settings page. Click **Apply** to apply your changes.

2.3 Adding Additional Controllers

Repeat the above steps for each controller. They will be automatically named c_0, c_1, etc.

Output letters should correspond to the letters on the physical controller. They should match the physical controller exactly.

2.4 Managing Controllers

Manage controllers with the "Controller" drop-down menu. This menu displays controller settings and allows the deletion of controller configurations.

(Note: The "Edit" button currently has no functionality.)

Click Add Face to add another face of controllers to the sign. Add as many faces as the sign requires.

Select the face you wish to edit from the Face drop-down menu.

If desired, use the zoom bar in the lower left of the screen to zoom in on specific portions of controller

layouts.

3.0 Advanced

Most advanced settings do not need to be changed from default. Explanations of these settings are found in this section.

3.1 Photo Cell Limits

Control maximum and minimum brightness allowed during day and night. Default setting for brightness sliders is optimal in most situations.



3.2 Backward Compatibility

Do not change **Backward Compatibility** options. The default is correct for all current signs.



3.3 Data Transmission Settings

	PrimeVue Manager (2.1.18v)	- 0 ×
0 0-	Name: Default Width: 64 Height: 16 Serial: 000000	
Basic Settings		
Advanced	Advanced Options	
Channels	Photo Cell Limits Backward Compatibility Console Window	
Diagnostics	Night Day Disable Register Loading Manual Position	
Color Management Peripheral Devices	12 Bit Color Y: 0 Render Output to Screen	
Live Status	Data Transmission Settings Enable Data Clock: 8MHz × X: 0	
Sign Management	G Clock: 4MHz v Y: 0	
	Dunamic Power Limit DC Reset Timeouth 0 Minutes	
	Power Limit	
	Target Current: 0 Amps Green Current: 0 Amps	
	White Current: 0 Amps Blue Current: 0 Amps Red Current: 0 Amps Black Current: 0 Amps	
	Auto Refresh Driver Config Frequencys 120 Minutes Set	
Zoom Level		

The **Data Clock** determines how quickly color information is sent across the sign. This setting defaults to 8MHz, which is correct for all current signs.

The **G Clock** determines how quickly the LEDs flicker on and off. The higher the G Clock, the smoother the image. In general, perform warehouse testing at 8MHz. If setting a sign up for field use, set the G Clock to 4MHz.

3.4 Parallel Output

To use the Parallel Output option, a board must have 1) exactly 1 row per output, 2) rows of the same length, and 3) connectors which are arranged sequentially without any spaces (e.g. if E goes bad, it should not be plugged into G instead. All rows must be reconnected to remain sequential)

	PrimeVue	e Manager (2.1.18v)		- 🗇 🗙
O O•				
	Name: Default Width: 64 Height: 16 Serial: 000000			
Basic Settings				
Sign Layout				
Advanced	Advanced Op	tions		
Channels	Photo Cell Limits	Backward Compatibility	Console Window	
Diagnostics	Night Day	Disable Register Loading	Manual Position X: 0	
Color Management		12 Bit Color	Y: 0	
Peripheral Devices		Data Transmission Settings	Render Output to Screen	
Live Status		Data Clock: 8MHz 👻	X: 0	
Sign Management		G Clock: 4MHz ×	Y: 0	
	3,53% 100%	Parallel Output		
	Dynamic Power Limit	PC Reset Timeout: 0 Minute:	s	
	Power Limit			
	Target Current: 0	Amps Green Current: 0 Amp	s	
	White Current: 0	Amps Blue Current: ⁰ Amp	s	
	Red Current: 0	Amps Black Current: 0 Amps	s	
	Auto Refresh Driver Config	J		
	Frequency: 120 Minute	s Set		
Zoom Level				
100%				

If the sign fails even one of these requirements, do not use the **Parallel Output** option. In general, all billboards meet this requirement. Many EMC signs, however, do not.

3.5 Console Window

Under Console Window, enter the x and y coordinates at which you wish to display ServCom on the computer running ServCom.



3.6 Render Output to Screen

If enabled, this option outputs of ServCom on screen. Purpose is to allow the use of a greater variety of controllers, or two display sign output on a desired screen.

		PrimeVue Manager (2.1.18v)	- 0 ×
G O-			
	Name: Default Width: 64 Height: 16 Serial: 000000		
Basic Settings			
Sign Layout			
Advanced		Advanced Options	
Channels		Photo Cell Limits Backward Compatibility Console Window	
Diagnostics		Night Day Disable Register Loading Manual Position	
Color Management		12 Bit Color V: 0	
Peripheral Devices		Data Transmission Settings Enable	
Live Status		Data Clock: 8MHz Y X: 0	
Sign Management		G Clock: 4MHz Y V: 0	
		3.53% 100% Parallel Output	
		Dynamic Power Limit PC Reset Timeout: 0 Minutes	
		Power Limit	
		Target Current: 0 Amps Green Current: 0 Amps	
		White Current: 0 Amps Blue Current: 0 Amps	
		Red Current: 0 Amps Black Current: 0 Amps	
		Auto Refresh Driver Config	
		Frequency: 120 Minutes Set	
Zoom Level			

3.7 Dynamic Power Limit

The Dynamic Power Limit caps the maximum power-usage of the sign. This feature is rarely used. The **Power Limit** section beneath is a part of this feature. (The usage of this feature is separate from the purpose of this document.)



Please ignore Dynamic Power Limit for most signs.

3.8 PC Reset Timeout

Enter number of minutes sign will display last image once sign stops receiving data. When this time expires, the sign will go black.

		PrimeVue Ma	anager (2.1.18v)		-	O ×
G O.						
	Name: Default Width: 64 Height: 16 Serial: 000000					
Basic Settings						
Sign Layout						
Advanced		Advanced Optic	ons			
Channels		Photo Cell Limits	Backward Compatibility	Console Window		
Diagnostics		Night Day	Disable Register Loading	Manual Position		
Color Management			 Global Dimmer 12 Bit Color 	Y: 0		
Peripheral Devices				Render Output to Screen		
Live Status			Data Transmission Settings	Enable		
			Data Clock: 8MHz Y	X: 0		
Sign Management			G Clock: 4MHz Y	Y: 0		
		3.53% 100%	Parallel Output			
		Dynamic Power Limit	PC Reset Timeout: 0 Minutes			
		Power Limit		_		
		Target Current: 0 Amps	Green Current: ⁰ Amps			
		White Current: 0 Amps	s Blue Current: 0 Amps			
		Red Current: 0 Amps	Black Current: 0 Amps	;		
		Auto Refresh Driver Config				
		Frequency: 120 Minutes	Set			
Zoom Level						
100%						

3.9 Auto Refresh Driver Config

Use this setting for EMCs, which do not have native feedback error detection. This setting allows the sign to automatically refresh the driver config at set intervals to remove potential display artifacts (due to driver config errors).



If setting up an EMC, enable Auto Refresh Config with the default frequency of 120 entered into the text book.

Do not use this setting for billboards. If setting up a billboard, ensure this option is unchecked.

4.0 Channels

Assigned appropriate channel(s) to your sign by using the "Channels" tab. New profiles in PrimeVue Manager will have a single PrimeVue Messages channel created as a default.

To add a new channel, click the "Add Channel" button at the lower-right of the window.



Select the type of channel you wish to create.

	Pi	imeVue Manager (2.1.18v)	- 6	×
G 0•	Name: Default Width: 704 Height: 192 Serial: 000000			
Basic Settings		Select channel type to add		
Advanced				
Channels		PrimeVue Messages		
Diagnostics Color Management		Screen Rake		
Peripheral Devices		DeckLink Live Video		
Live Status				
Sign Management				
Zoom Level				

For EMCs, use the default PrimeVue Messages channel.

For billboards, remove the PrimeVue Messages channel by clicking the "x" button. Then click **Add Channel** and select **Screen Rake** from the three options.

For signs with a video capture option, add a DeckLink Live Video channel. This allows you to display live video on the sign. Click **Add Channel** and select **DeckLink Live Video** from the three options.

Once you have created the appropriate channels, click the desired channel to configure its settings.

4.1 PrimeVue Messages settings

No editable settings at this time. Simply creating the channel enables its use.

4.2 Screen Rake settings

4.2.1 Channel Name

Enter desired channel name in the text box.

	PrimeVue Manager (2.1.18v)	- 0 ×
G ⊙•	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings Sign Layout Advanced Channels	Screen Rake Channel Settings Channel Name: Screen Rake Channel Output Rate: 30 fps	
Diagnostics Color Management Peripheral Devices Live Status Sign Management	X Offset: 0 Show outline V Offset: 0 Capture Area @ Lock to sign size G full Screen Custom Width: 1408 Height: 384	
Zoom Level		ОК

4.2.2 Output Range

Billboards should be set to 5 fps. Signs displaying animations should use a higher frame rate.

		PrimeVue Manager (2.1.18v)	- 0 ×
G⊙•	Name: Default Width: 704 Height: 192 Serial: 000000		
Basic Settings Sign Layout Advanced	Screen Rake Channel Settings		
Channels			
Diagnostics	Output Rate: 30 tps Ap	pp Check: DBCApp	
Color Management	X Offset: 0	✓ keep outline on top	
Peripheral Devices	Y Offset: 0		
Live Status	Capture Area O Lock to sign size		
Sign Management	O Full Screen Custom Width: 1408 Height: 384		
Zoom Level			ОК

4.2.3 App Check

Looks for a the application which runs the billboard (DBCApp) so the sign only outputs when it finds the application. In a test environment, the field may be changed to *system* so that the sign will always output. Change back to DBCApp once testing is completed.



4.2.4 X and Y Offsets

This setting sets which portion of the screen is transmitted to the sign. The default is 0/0, which will display the upper left-hand corner of the desktop.

	PrimeVue Manager (2.1.18v)	- 0 ×
G O.		
	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings	Screen Bake Channel Settings	
Sign Layout	Screen Rake Channel Settings	
Advanced	Channel Name: Screen Rake Channel	
Channels	Output Rate: 30 fps × App Check DBCApp	
Color Management	X Offset: 0 Show outline	
Peripheral Devices	Y Offset: 0	
Live Status	Capture Area Lock to sign size 	
Sign Management	 Full Screen Custom Width: 1408 Height: 384 	
Zoom Level		OK

If using a secondary monitor, set the X Offset to start at the resolution of the primary monitor so that the output image begins on the secondary monitor.

4.2.5 Capture Area

Lock to sign size: captures just the resolution it needs to output to the sign.

Full Screen: Captures entire screen and resizes it to fit the sign (does not maintain aspect ratio)..

Custom: Defines size to be resized to the sign (does not maintain aspect ratio).

	PrimeVue Manager (2.1.18v)	- 0 ×
G O		
Basic Settings Sign Layout Advanced Channels Diagnostics Color Management Peripheral Devices	Name: Default Width: 704 Height: 192 Serial: 000000 Screen Rake Channel Settings Channel Name: Screen Rake Channel Output Rate: 30 fps X Offset: 0 Y Offset: 0 Capture Area Keep outline on top	
Live Status Sign Management Zoom Level	Ockto sign size Full Screen Custom Width: 1408 Height: 384	
100%		ОК

4.2.6 Show Outline

To display a green line identifying the capture, enable Show Outline. The setting can be disabled if there are relevant problems in Windows.

Click **OK** to save settings

4.3 DeckLink Capture settings

4.3.1 Channel Name

Enter desired channel name in the text box.

		l.	PrimeVue Manager (2.1.18v)	- 0 ×
G).	Name: Default Width: 704 Height: 192	Serial: 000000		
Basic Settings Sign Layout	DeckLink Capture sett	ings		
Channels	Channel Name: DeckLink Live Vid	eo Channel		
Diagnostics	Decklink ID*	Model Mini Recorder		
Color Management	O Capture full screen	Video Mode		
Peripheral Devices	Keep aspect ratio	720p 59.94Hz ~		
Live Status Sign Management	Capture sign resolution X and Y offsets 0 O	Pixel Format 8Bit YUV ~		
	X and Y offsets Width and I	reight		
Zoom Level	* ID should be '0' unless there is more than	one DeckLink card installed		ОК

4.3.2 DeckLink ID

If you have multiple live videos coming to the sign, enter which capture card you wish to display. The default is 0.

		PrimeVue Manager (2.1.18v)	_ 0 ×
G O•			
	Name: Default Width: 704 Height: 192	Serial: 000000	
Basic Settings			
Sign Layout	DeckLink Capture sett	ings	
Advanced	Channel Name: DeckLink Live Vid	leo Channel	
Channels	D. U. LUDY		
Diagnostics		Mini Recorder v	
Color Management	○ Capture full screen	Video Mode	
Peripheral Devices	Keep aspect ratio	720p 59.94Hz *	
Live Status	Capture sign resolution	Pixel Format	
Sign Management	X and Y offsets	8Bit YUV ~	
	○ Custom resolution		
	X and Y offsets Width and H 0 0 0 0	neight	
Zoom Level			
-			
100%			ОК
	* ID should be '0' unless there is more than	i one DeckLink card installed	

4.3.3 Model

Setting not yet implemented. Please ignore this field.

4.3.4 Video Mode

Must exactly match the capture source, otherwise output will fail.

		PrimeVue Manager (2.1.18v)	- 🗇 🗙
G O+	Name: Default Width 704 Height 102 Serial 00000		
	Name: Delaut: Width: 704 Height: 192 Senai: 000000		
Basic Settings	Dacklink Capture settings		
Sign Layout	Decklink Capture settings		
Advanced	Channel Name: DeckLink Live Video Channel		
Channels	Decklink ID* Model		
Diagnostics	0 ~ Mini Recorder ~		
Color Management	O Capture full screen Video Mode		
Peripheral Devices	Keep aspect ratio 720p 59.94Hz ×		
Live Status	Capture sign resolution Pixel Format		
Sign Management	X and V offsets 0 0		
	O Custom resolution		
	X and Y offsets Width and height		
Zoom Level			
100%			ОК
	* ID should be '0' unless there is more than one DeckLink card installed		

4.3.5 Pixel Format

Setting not yet implemented. Leave at 8Bit YUV.

4.3.6 Capture full screen

Allows entire source to be output to the sign. Selecting "Keep aspect ratio" will force the sign to drop portions of the video that do not fit into the sign.

Capture sign resolution: allows to capture a specific portion of the screen. Enter the X and Y axes at which the capture area will begin (default is 0/0, which will start from the upper-left corner of the screen).

	PrimeVue Manager (2.1.18v)	- 0 ×
A D.		
	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings Sign Layout	DeckLink Capture settings	
Advanced	Channel Name: DeckLink Live Video Channel	
Channels Diagnostics Color Management	Decklink ID* Model 0 Mini Recorder Capture full screen Video Mode	
Peripheral Devices	Keep aspect ratio 7/20p 59:94Hz *	
Live Status Sign Management	O Capture sign resolution Pixel Format X and Y offsets 8Bit YUV ~	
	Custom resolution X and Y offsets Width and height 0 0 0 0	
Zoom Level	* ID should be '0' unless there is more than one DeckLink card installed	OK

4.3.7 Custom resolution

Set exact dimensions to be displayed. Sign will resize to fit (will not keep aspect ratio).

		PrimeVu	e Manager (2.1.18v)	- 0	×
G O+	Name Default Width 704 Height 10	Sevial 000000			_
	Name: Delaute Width: 704 Height: 192	Senai: 000000			
Basic Settings	Deald inly Contume and	tin			
Sign Layout	DeckLink Capture se	ungs			
Advanced	Channel Name: DeckLink Live V	deo Channel			
Channels	Decklink ID*	Model			
Diagnostics	0 ~	Mini Recorder			
Color Management	Capture full screen	Video Mode			
Peripheral Devices	Keep aspect ratio	720p 59.94Hz ~			
Live Status	 Capture sign resolution 	Pixel Format			
Sign Management	X and Y offsets	8Bit YUV ~			
	 Custom resolution 				
	X and Y offsets Width and	height			
Zoom Level					
100%					
	* ID should be '0' unless there is more th	n one DeckLink card installed		UK	

Click OK to apply settings.

Multiple channels may be created for each sign by clicking the "Add Channel" button.

5.0 Diagnostics

5.1 Feedback Options

Click "Enable Feedback" to enable feedback



Click **Enable Email Reporting** to enable the sending of feedback emails. Enter email frequency (default is 1440 minutes). Change or add email addresses by entering the address into the **To** field and clicking **Add**. Remove emails by selecting the desired email to remove and clicking **Remove**.

	PrimeVue Manager (2.1.18v)	- 0 ×
G O-		
Basic Settings Sign Layout Advanced Channels Diagnostics Color Management Peripheral Devices Live Status Sign Management	Name: Default Width: 704 Height: 192 Serial: 000000 Feedback Options Verail Enable Feedback Verail Setup Host: smtp:gmail.com Port: 25 Verail: Ssl. Verail Setup Port: 25 Verail: Ssl. Verail: Setup Port: 25 Verail: Ssl. Verail: Setup Port: 25 Verail: Sol. Port: 26 Verail: Sol. Port: 27 Verail: Sol. Port: 28 Verail: Sol. Port: 29 Verail: Sol. Port: 29 Verail: Sol. Port: 29 Verail: Sol. Port: 20	
Zoom Level	Attach web-cam image App freeze finited is a straight of the str	

Other email settings should not be changed.

DBC App Freeze Check: enables email notifications for possible freezing of DBC App. Enter frequency of emails in "App Freeze Notification Timeout" field. Enter time before timeout is detected in "App Freeze Timeout" field.



Click "Attach web-cam image" to enable a web cam to send pictures with feedback emails. Default IP address should work for most web cams.

	PrimeVue Manager (2.1.18v)	- 0 ×
G O •		
	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings		
Sign Layout		
Advanced		
Channels		
Diagnostics	Feedback Options	
Color Management	Enable Feedback	
Peripheral Devices	Enable Email Reporting Email Frequency: 1440 (minutes)	
Live Status	Email Setup	
Sign Management	Host: smtp.gmail.com To: Add Another Email LEDservice@formetco.com Port: 25 V SSL Remove Username: inoreply@adtechintlsupg Password: techsupport From: inoreply@adtechintlsupg < >> DBC App Freeze Check App Freeze Notification Timeout 120 Attach web-cam image Web Cam: http://192.168.0.51:81/Snapshot (Minutes) Notes: Set	
Zoom Level		

Notes: blanket field for information to include in feedback emails, such as contact information.

Click **Set** to apply settings.

6. Color Management

6.1 Sign Wide Adjustment

Click the "+" symbol to the right of **Sign Wide Adjustment** to enter color settings.

	PrimeVue Manager (2.1.18v) – 🗇 🗙
G⊙•	Name: Default Width: 704 Height: 192 Serial: 000000
Basic Settings	Sign Wide Adjustment +
Sign Layout	Board Level Adjustment +
Advanced	LED Level Adjustment +
Channels	
Diagnostics	
Color Management	
Peripheral Devices	
Live Status	
Sign Management	
Zoom Level	
100%	

6.1.1 LED Current Level Adjustment

A new sign ships at the optimal brightness. As LED boards dim, these sliders may be raised to maintain optimal brightness.

	PrimeVue Manager (2.1.18v)	- 0 ×
G ⊙ ▼ Basic Settings Sign Layout Advanced	Name: Default Width: 704 Height: 192 Serial: 000000 Sign Wide Adjustment	
Channels Diagnostics Color Management Peripheral Devices Live Status Sign Management	Gamma Curve	
Zoom Level	Board Level Adjustment LED Level Adjustment	•

Sliders may also be adjusted to maintain color balance. For example, if the sign looks too pink, turn down the red settings (or raise green and blue settings).

Avoid raising LED levels over 100. Doing so reduces the lifespan of the LEDs.

The Lock Channels Together setting is not currently implemented. Please ignore.

6.1.2 Gamma Curve

Bottom three sliders (Gamma Curve) should always remain at 2.2



Click "Set" to apply settings.

6.2 Board Level Adjustment

Ignore Board Level Adjustment. Feature not yet implemented.

6.3 LED Level Adjustment

Ignore LED Level Adjustment. Feature not yet implemented.

7.0 Peripheral Devices

Peripheral devices can communicate with ServCom.

Use the drop-down at the bottom of the window to select which type of device to add. Click "Add" to add the device.

	PrimeVue Manager (2.1.18v)	- 8 ×
G⊙•	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings Sign Layout	Peripheral Devices	X
Advanced	Physical Address: 192.168.13.200 Trip Point Recover Point	
Channels Diagnostics	Reconnect Timeout: 5 (minutes) Voltage Sag 90 100 Event Check interval: 10 Image: Voltage Peak 130 125	
Color Management	Power Service: Two Phase Power Peak 12500 12000 A B C Current Peak 150 140	
Peripheral Devices		
Live Status	CPS100	X
Sign Management	Physical Address: 192.105.02.10 Reconnect Timeout: 3 (minutes) Heartbeat Interval: 1 Plugged into outlet: A · Heartbeat Timeout: 10 (when the CPS100 power cycles the outlet)	
	SBC Device Physical Address: 192.168.0.3 9765 Reconnect Timeout: 1 (minutes) Role: Master Heartbeat Interval: 1 Heartbeat Timeout: 2 (When notification should be sent)	X
200m Level	Add SBC v	Set

7.1 LM100 Power Monitor

To add a device that monitors power to the sign, enter the IP Address of the device. Select appropriate Power Service Phase.

	PrimeVue Manager (2.1.18v)	- 0 ×
G⊙•	Name: Default Width: 704 Height: 192 Serial: 000000	
Basic Settings	Peripheral Devices	
Sign Layout		X
Advanced	Physical Address: 192.168.13.200 Trip Point Recover Point	<u></u>
Channels	Reconnect Timeout: 5 (minutes) Voltage Sag 90 100	
Diagnostics	Event Check interval: 10 Voltage Peak 130 125	
Color Management	Power Service: Two Phase v Power Peak 12500 12000	
Peripheral Devices	ABC Current Peak 150 140	
Live Status	CPS100	X
Sign Management	Physical Address: 192.168.0.210	
	Reconnect Timeout: 3 (minutes)	
	Heartbeat Interval: 1 Plugged into outlet: A ·	
	HeartDeat TIMeOUT. (when the CPS100 power cycles the outlet)	
	SBC Device	X
	Physical Address: 192.168.0.3 9765	
	Reconnect Timeout: 1 (minutes) Role: Master *	
	Heartbeat Interval:	
Zoom Level	Heartbeat Timeout: 2 (When notification should be sent)	
100%	Add SEC v	Set

For Voltage Sag, Voltage Peak, and Power Peak, the default values should be sufficient for most signs.

		PrimeVue Manager (2.1.18v)	- 0 ×
G O-	Name: Default Width: 704 Height: 19	12 Serial: 000000	
	Hume belaak maan rot Height ib		
Basic Settings	Peripheral Dev	ices	
Sign Layout	LM100 240V		X
Advanced	Physical Address: 192.	168.13.200 Trip Point Recover Point	
Channels	Reconnect Timeout: 5	(minutes) Voltage Sag 90 100	
Diagnostics	Event Check interval: ¹⁰	Voltage Peak 130 125	
Color Management	Power Service: Two	Phase Power Peak 12500 12000	
Peripheral Devices	A	B C Current Peak 150 140	
Live Status	CPS100		X
Sign Management	Physical Address: 192.	168.0.210	
	Reconnect Timeout: 3	(minutes)	
	Heartbeat Interval: 1	Plugged into outlet: 🔺 🗸	
	Heartbeat Timeout: 10	(when the CPS100 power cycles the outlet)	
	SBC Device		x
	Physical Address: 192.	168.0.3 9765	
	Reconnect Timeout: 1	(minutes) Role: Master *	
	Heartbeat Interval: 1		
7	Heartbeat Timeout: 2	(When notification should be sent)	
200m Level			
100%			~
	Add SBC	v	Set

Enable Current Peak if monitor supports current monitoring

Leave Reconnect Timeout and Event Check interval at default settings.

7.2 CPS100 Power Strip

To add a power strip to the sign, select "CPS100 Power Strip from the dropdown menu.

Enter IP address of power strip.

	PrimeVue Manager (2.1.18v) – 🗇 🗙			
G ⊙•	Name: Default Width: 704 Height: 192 Serial: 000000			
Basic Settings Sign Layout	Peripheral Devices			
Advanced	LMIUU 24UV Physical Address: 19216813200 Tric Print Present Print	X		
Channels	Reconnect Timeout: 5 (minutes) Voltage Sag 90 100			
Diagnostics	Event Check interval: 10 Voltage Peak 130 125			
Color Management	Power Service: Two Phase Power Peak 12500 12000			
Peripheral Devices	ABC Current Peak 150 140			
Live Status	CPS100	X		
Sign Management	Physical Address: 192.168.0.210			
	Reconnect Timeout: 3 (minutes)			
	Heartbeat Interval: 1 Plugged into outlet: A ·			
	Heartbeat Timeout: 10 (when the CPS100 power cycles the outlet)			
	SBC Device	X		
	Physical Address: 192.168.0.3 9765			
	Reconnect Timeout: 1 (minutes) Role: Master *			
	Heartbeat Interval: 1			
Zoom Level	Heartbeat Timeout: 2 (When notification should be sent)	~		
100%	Add SBC ~	Set		

Enter outlet that the computer is plugged into. If primary (sender), it will be plugged into A; if secondary (backup), it will be plugged into B.

	PrimeVue Manager (2.1.18v)	_ 0 ×			
GOT	Name: Default Width: 704 Height: 192 Serial: 000000				
Basic Settings	ettings Peripheral Devices				
Sign Layout	LM100 240V	X			
Advanced	Physical Address: 192.168.13.200 Trip Point Recover Point				
Channels	Reconnect Timeout: 5 (minutes) Voltage Sag 90 100				
Diagnostics	Event Check interval: 10 Voltage Peak 130 125				
Color Management	Power Service: Two Phase v Power Peak 12500 12000				
Peripheral Devices	ABC Current Peak 150 140				
Live Status	CPS100	X			
Sign Management	Physical Address: 192.168.0.210				
	Reconnect Timeout: 3 (minutes) Heartbeat Interval: 1 Plugged into outlet: A Heartbeat Timeout: 10 (when the CPS100 power cycles the outlet)				
	SBC Device Physical Address: 192.168.0.3 Reconnect Timeout: 1 (minutes) Role: Master	X			
Zoom Level	Heartbeat Timeout: 2 (When notification should be sent) Add SBC ~	Set			

Leave Reconnect Timeout, Heartbeat Interval, and Heartbeat Timeout at default.

7.3 SBC (Single Board Computer)

Enter IP address of single board computer (SBC). This is the section in which to configure the backup computer's connection. If a backup connection is not added here, the primary computer will not output frames.

	PrimeVue Manager (2.1.18v)	- 🗇 🗙		
GO+	Name: Default Width: 704 Height: 192 Serial: 000000			
Basic Settings	Peripheral Devices			
Advanced		X		
Channels	Physical Address: 192.108.13.200 Trip Point Recover Point			
Diagnostics	Fvent Check interval: 10 Voltage Peak 130 125			
Color Management	Power Service: Two Phase V Power Peak 12500 12000			
Peripheral Devices	A B C Current Peak 150 140			
Live Status	CPS100	X		
Sign Management	Physical Address: 192.168.0.210			
	Reconnect Timeout: 3 (minutes) Heartbeat Interval: 1 Plugged into outlet: A Heartbeat Timeout: 10 (when the CPS100 power cycles the outlet)			
	SBC Device Physical Address: 192.168.0.3 Reconnect Timeout: 1 Heartbeat Interval: 1	X		
Zoom Level	Heartbeat Timeout: 2 (When notification should be sent) Add SBC Y	Set		

Leave Role drop-down at default. Option not yet implemented.

Leave Reconnect Timeout, Heartbeat Interval, and Heartbeat Timeout at default.

Click "Set" to apply settings.

8.0 Live Status

Under "Download Profile," enter the IP address of the sign and click "Connect." An invalid IP address will cause the program to time out after 30 seconds.

To refresh information, click overview, then click the refresh button.

When finished, click disconnect to end connection with sign. This connection is separate from configuration of setting (i.e. live status can be run independently of sign configuration).

8.1 Overview

This section gives an overview of sign information. Each controller is listed separately.

		PrimeVue Manager (2.1.18v)	- 0 ×
G O+	No Config Loaded		Disconnect
Basic Settings	Sign Status Overview Latest Diagnostics Raw Config		0
Sign Layout Advanced Channels	Name: Default Width: 192 Height: 96 Serial: 000000 Color: True Virtual Pixel: True Version: 2.26.5352.25945 Memory Usage: 34.44MB		
Diagnostics Color Management Peripheral Devices	Controller: Driver: 0 Type: DIS14 Cable Status: OK IP Addres: 192.168.13.3 Temp: 89.6° Firmware: 1.3.1.11 Photo Cell: NA		Controller: Feedback: 0 Type: DIS14 Cable Status: OK IP Address: 192,168,13.50 Temp: 91.4* Firmware: 1.3.1.11 Photo Cell: NA
Live Status Sign Management	Controller: Driver: 1 Type: DIS14 Cable Status: OK IP Address: 192.168.13.4 Temp: 89.6° Firmware: 1.3.1.11 Photo Cell: NA		Controller: Feedback: 1 Type: DIS14 Cable Status: OK IP Address: 192:168:13.51 Temp: 87.8° Firmware: 1.3.1.11 Photo Cell: NA
Zoom Level			

8.2 Latest Diagnostics

LED test is no longer implemented. Please ignore.

Cable test displays health of cables (healthy cables are displayed in green).

Board Configuration displays health of the board (healthy boards are displayed in green). If a board is displayed as red, click on it to see which driver is bad.

8.3 Raw Config

Not implemented. Please ignore.

9.0 Sign Management

		PrimeVue Manager (2.1.18v)		- 0 ×
G O-				
	Name: Default Width: 704 Height: 192 Serial: 000000			
Basic Settings				
Sign Layout				
Advanced				
Channels		Sign Management		
Diagnostics		Please select a method for editing a profile	Create new sign profile	
Color Management				
Peripheral Devices			Load profile from file	
Live Status			Download profile from sign	
Sign Management				
		Please select a method for saving a profile	Save profile to disk	
			create server installation	
			Upload profile to sign	
		Other Options	View Live Sign Status	
			Update Sign Software	
7				
100%				

9.1 Editing a Profile

Create new profile: Create new sign configuration

Load profile: Open a sign config file (.cfg)

Download profile from sign: Down the sign's current configuration

9.2 Saving a Profile

Save profile to disk: Saves PrimeVue's current configuration to computer running PrimeVue

Create serer installation: Not implemented

Upload profile to sign: Upload PrimeVue's current configuration to the connected sign

9.3 Other Options

View Live Sign Status: Opens Live Status section (see 8. Live Status)

Update Sign Software: Used to update ServCom. Select appropriate software, enter in the sign's IP address, and click "Connect."

Update success may be checked on ServCom or in Live Status under "Overview."