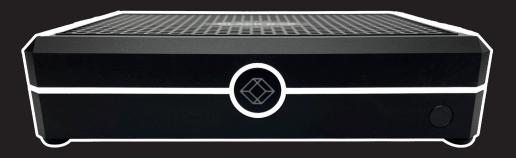
USER MANUAL

EMD5004-R

EMERALD[®] DESKVUE KVM RECEIVER

24/7 TECHNICAL SUPPORT AT 1.877.877.2269 OR VISIT BLACKBOX.COM







This page intentionally left blank.





2



QUICK START GUIDE	
CHAPTER 1: INTRODUCTION	7
1.2 FEATURES	
1.3 WHAT'S INCLUDED	
1.4 PRODUCT IMAGES	9
CHAPTER 2: APPLICATION DIAGRAM AND SPECIFI	CATIONS10
2.1 APPLICATION DIAGRAM	
CHAPTER 3: APPLICATION	
31 LOGIN SCREEN	
3.2 ON SCREEN DISPLAY (OSD)	
3.3 NETWORK TAB	
3.4 DISPLAY TAB	
3.5 SETTINGS TAB	
3.6 CONNECTIONS TAB	
3.6.1 Add New Connection	
3.7 TEMPLATES TAB	
3.7.1 One Tile on One Display	
3.7.2 Four Tiles on One Display	
3.7.3 Four Tiles - PiP Right on One Display	
3.7.4 Four Tiles - PiP Left on One Display	
3.7.5 Eight Tiles on One Display	
3.8 WORKSPACES TAB	
3.8.1 Add New Workspace	
3.9 USERS TAB	
3.9.1 Add New User	
3.9.2 User Menu Options	
3.10 SYSTEM TAB	
APPENDIX A: BOXILLA DISCOVERY	
A.1.1 Discovering and Managing the DESKVUE Unit	



APPENDIX B: WORKSPACE CONFIGURATION	61
B.1 WORKSPACE CREATION/ASSIGNMENT	61
B.1.1 Creating a Workspace	61
B.1.2 Assigning a user to a workspace	70
B.1.3 Editing a Workspace	71
B.1.4 Deleting a Workspace	72
B.1.5 Additional configuration options	73
B.1.6. Configurating User Access through Boxilla	75

1 FCC STATEMENT	76
.2 CE STATEMENT	76
.3 TSCA STATEMENT	76
.4 ROHS	76
.5 REACH	76
.6 NOM STATEMENT	77

APPENDIX D: DISCLAIMER/TRADEMARKS	78
D.1 DISCLAIMERS	78
D.2 TRADEMARKS USED IN THIS MANUAL	78





SETTING UP AND USING DESKVUE

In order to begin using the Emerald[®] DESKVUE, several steps need to be completed:

- 1. Physically connect the monitor(s), keyboard and mouse, and power supply.
- 2. Turn on the unit and let it boot up.
- 3. When prompted for a login, enter the default credentials of "admin" (without the quotes) for both the username and password. These credentials can be changed later.
- 4. Configure the Emerald DESKVUE. Reference the table below:

NOTE: If using Boxilla, these settings will be available through the Boxilla administrative web interface.

5. You can now make connection(s) through the Workspace tab by clicking on them.

NOTE: Refer to the corresponding sections of this user manual for detailed instructions for each of the above steps



This page intentionally left blank.





6



1.1 INTRODUCTION

KVM users today need to view, monitor, and interact with multiple computer targets and video streams that can reside on various networks, such as post-production editing, IPTV, live feeds, Command and Control, and rendering jobs.

In a completely new concept in KVM over IP, Emerald® DESKVUE enables these users to arrange their individual workspace for optimal simultaneous interaction with up to 16 different systems. It supports connections to physical systems via Emerald transmitters, Virtual Machines using RDP, PCoIP, PCoIP Ultra, standard H.264/265 sources, and Virtual Network Computing (VNC).

NOTE: VNC and H.264 / H.265 will be supported in a future firmware release.

The Emerald DESKVUE receiver—as part of the Emerald KVM family and Boxilla KVM Manager—uniquely allows users to tailor their own workspace by connecting a single keyboard, mouse, USB 3/2 devices, audio, and up to four 4k monitors. Each system can be positioned across the screens with pre-defined layouts or freely movable windows. Interacting with each system is as simple as moving the mouse over a window. In this way, each operator has complete situational awareness and full control within easy reach.

Interact with up to 16 systems simultaneously

Connect to physical systems via Emerald transmitters and Virtual Machines using RDP, PCoIP, PCoIP Ultra, H.264/5, and VNC.

Tailor your individual workspace

Freely place and size your systems across up to four monitors; view and interact with them in the most efficient way.

Up to 4k/5k video resolutions

Attach up to four screens at once, with HDMI resolutions supporting up to 3840 x 2160 and USB-C (DisplayPort™) resolutions supporting up to 5120 x 2880.

NOTE: There is a maximum limit of 16,384 pixels across all four monitors in either the horizontal or vertical dimension. Therefore, the maximum "pixel-space" for an individual DESKVUE is 16,384 x 16,384. For example, when a 5K monitor with a 5120 × 2880 resolution is connected to a DESKVUE, only 2 UHD monitors can be supported since you need to stay less than 16,384 pixels in the horizontal dimension.

Highly Secure KVM over IP

Fully integrates with Emerald Unified KVM and the Boxilla KVM manager for device configuration, monitoring, and authentication.

Design follows User Needs

An extremely small footprint and various mounting options provide a welcoming workspace.





1.2 FEATURES

- Future Proof KVM, Universal Access System: Access both physical and virtual machines including Emerald[®] Transmitters, PCoIP, RDP, and H.264/H.265 targets
- Up to 16 connections over 4 Video Heads
- Up to 4 UHD Screens, optionally 1 can be 5K (USB-C DisplayPort™ Alt Mode)
- Option for 'Dual-Head" 4K deployments
- Excellent Video up to 5K Resolutions
- Highly scalable through IP Networking / Low Bandwidth
- Built for 24/7 Operation with no single point of failure: Redundant managers / Redundant Links with Local database in Receiver in case manager is offline
- Remote access to KVM systems to allow operation across IP Network through Software Application
- Compatible with Boxilla Managers (for management)
- Connects to physical Emerald Transmitters
- Connects to Virtual Machines (RDP and PCoIP)
- Connects to H.264/H.265 Devices, such as IP Cameras

1.3 WHAT'S INCLUDED

- (1) Emerald DESKVUE KVM Receiver
- (1) 19 VDC, 3A, Desktop Power Supply
- (1) VESA Mount Kit
- (1) Country-specific power cord
- Screws and jumper

If anything is missing or damaged, contact Black Box Technical Support at 877-877-2269 or info@blackbox.com.





1.4 PRODUCT IMAGES



FIGURE 1-1: FRONT VIEW

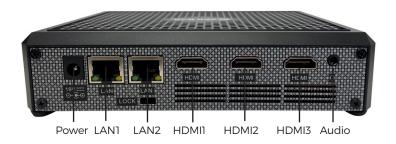


FIGURE 1-2: BACK VIEW

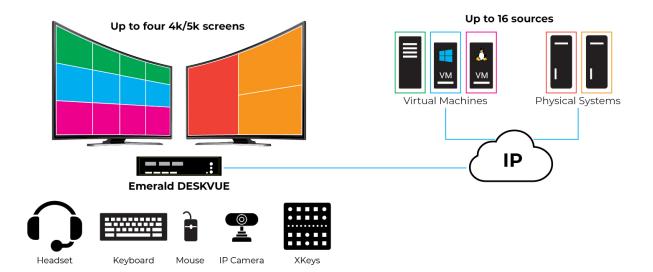


FIGURE 1-3: SIDE VIEW

CHAPTER 2: APPLICATION DIAGRAM AND SPECIFICATIONS



2.1 APPLICATION DIAGRAM







CHAPTER 2: APPLICATION DIAGRAM AND SPECIFICATIONS



TABLE 2-1. PRODUCT SPECIFICATIONS

SPECIFICATION	DESCRIPTION
Dimensions	Unit: 1.47" H x 6.61" W x 4.52" D, (37.4 x 168 x 115 mm)
Weight	Product: 1.21 lb. (0.55 kg); Power Supply: 0.56 lb. (0.25 kg); Product and Packaging: 3.10 lb (1.4 kg)
Connectors	 (3) HDMI Female; (1) USB C (USB4) for DP output; (1) 3.5mm Audio; (4) USB Type A Female; (1) Micro SD port; (1) 1G RJ-45 Network Connection; (1) 2.5G RJ-45 Network Connection; (1) 19VDC Barrel for power
Maximum Distance from Network	328 feet (100 m), network limits, extend with network switches
User Interface	Emerald® On Screen Display
Mounting Kits	VESA Mount included / Kensington Lock Support
Power	External desktop power supply
Input Voltage/Volts	100-240VAC, 50/60Hz
Input Current/Amps	1.5 Amps
Output Voltage/Volts	19 VDC
Output Current/Amps	3 Amps
Power Consumption/Watts	57 Watts MAX (Power consumption can vary depending upon the configuration and devices that are being used.)
Heat Dissipation/BTU/h	194.37 BTU/h MAX (Voltage x Nominal Current) * 3.41 = BTU/h
Power Supply Cord Length	4.5 feet (1.37 meters)
Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-22 to +176°F (-30 to +80°C)
Operating Humidity	10% to 90% non-condensing
Maximum Altitude/Feet	<6,561 feet (2,000 meters)
Compatibility	Boxilla Managers, Emerald Transmitters, and Virtual machines (RDP, PCoIP, H.264/H.265)



3.1 LOGIN SCREEN

Upon startup, the DESKVUE unit displays three screens in sequence: the boot screen, the product name screen, and the login screen, as shown in Figure 3-1, Figure 3-2, and Figuare 3-3 starting below:



FIGURE 3-1: BOOT SCREEN



FIGURE 3-2: PRODUCT NAME SCREEN



CHAPTER 3: APPLICATION





FIGURE 3-3: LOGIN SCREEN

To log into DESKVUE, click on the "Login" button, as shown in Figure 3-3 above.

After you click on the "Login" button, the system displays the Username and Password screen, as shown in Figure 3-4 below:

	S⊗X
Welcome to DE Please login to your a	
Username	C Remember me
Password 💩	
US ~	Ċ

FIGURE 3-4: USERNAME AND PASSWORD SCREEN



Table 3-1 explains the options on the Username and Password screen.

FIELD/ITEM	DESCRIPTION		
Username	Enter the username. By default, the username is "admin" (without the quotes). You can change the username. This is a unique name that uses 1-32 characters. The username can be any valid username for a Microsoft® operating system. This means the username cannot contain " "/ \ [] ; = + * ? < > `		
	can view the password that yo	t, the password is "admin" (without the quotes). You entered by clicking on the View symbol that is sword entry area, as shown in Figure 3-5 below:	
	Ø		
Password		FIGURE 3-5: VIEW ICON	
	(blank) and a maximum of 32 password for a Microsoft oper	I. This field can be a minimum of 0 characters characters. The password can be any valid ating system. The user password MAY contain the -:! @ # \$ % ^ & `{ } which means the password *? <> ``	
Remember me checkbox	Click in the check box if you want the system to remember the last username that you entered. A check mark will appear in the checkbox to indicate that the credentials will be remembered. If you don't want the system to remember the last username and password that you entered, leave the check box empty. If a check mark appears in the box, click on the check box again to remove the check mark.		
	Click on the drop-down menu symbol in the keyboard selection box select the appropriate keyboard type. The drop-down menu displays options, as shown in Figure 3-6 below:		
		UK	
		US	
Keyboard type drop-down list box		German	
		French	
		Italian	
		Japanese	
	FIGURE	3-6: KEYBOARD SELECTION BOX	
Log On button	After you enter the username and password, and (optionally) click in the "Remember me" check box, click on the "Login" button to log into the system.		
	Click on this button to turn off the system.		





3.2 ON SCREEN DISPLAY (OSD)

After you log in, the system displays the OSD (On Screen Display), as shown in Figure 3-7 below:

Boxilla Operation Mode : Unmanag	ged	BLACK	B⊗X			ᆂ admin 🗸
📶 Network 🔍 🛡 Disj	play 🌣 Settings	<i> </i>	Templates	Workspaces	🚢 Users	③ System
	Search workspace	Connections Click or		+ Add New	LUsers	0 System

FIGURE 3-7: ON SCREEN DISPLAY



Table 3-2 explains the information and options on the OSD screen.

TABLE 3-2. OSD

ITEM	DESCRIPTION		
	In the top left corner of the screen, the system will display "Unmanaged" when the device is not managed by a Boxilla unit. It will display "Managed" when the device is managed by a Boxilla unit. An unmanaged unit can only connect to unmanaged transmitters and both RDP and PCoIP virtual machines. When the Boxilla Operation Mode is "Managed," you can hover your mouse over the "Boxilla Operation Mode" text to see the device's IP address, which is shown in Figure 3-8 below:		
Boxilla Operation Mode	Boxilla Operation Mode : Managed Mac Address : 00:8c:10:1c:c9:ad IP Address : 10.8.60.20		
	NOTE: To connect to managed transmitters that are part of a KVM domain, your device must be managed by the same Boxilla that manages the other parts of the KVM domain.		
	communicate with other managed transmitters. You need to add the connections, workspaces, and users via the Emerald® DESKVUE unit. In the top right corner of the screen, the system will show the user that is logged		
User	 communicate with other managed transmitters. You need to add the connections, workspaces, and users via the Emerald® DESKVUE unit. In the top right corner of the screen, the system will show the user that is logged into the DESKVUE unit. It will also show that user's access level. The "admin" user can also log out, shut down, or restart the system by clicking on the drop-down menu symbol to the right of "admin" and then clicking on the corresponding option from the drop-down menu. The options are shown in 		
User	 communicate with other managed transmitters. You need to add the connections, workspaces, and users via the Emerald® DESKVUE unit. In the top right corner of the screen, the system will show the user that is logged into the DESKVUE unit. It will also show that user's access level. The "admin" user can also log out, shut down, or restart the system by clicking on the drop-down menu symbol to the right of "admin" and then clicking on the corresponding option from the drop-down menu. The options are shown in Figure 3-9 below: 		
User	communicate with other managed transmitters. You need to add the connections, workspaces, and users via the Emerald® DESKVUE unit. In the top right corner of the screen, the system will show the user that is logged into the DESKVUE unit. It will also show that user's access level. The "admin" user can also log out, shut down, or restart the system by clicking on the drop-down menu symbol to the right of "admin" and then clicking on the corresponding option from the drop-down menu. The options are shown in Figure 3-9 below:		
User	 communicate with other managed transmitters. You need to add the connections, workspaces, and users via the Emerald® DESKVUE unit. In the top right corner of the screen, the system will show the user that is logged into the DESKVUE unit. It will also show that user's access level. The "admin" user can also log out, shut down, or restart the system by clicking on the drop-down menu symbol to the right of "admin" and then clicking on the corresponding option from the drop-down menu. The options are shown in Figure 3-9 below: 		





TABLE 3-2. OSD (CONTINUED)

ITEM	DESCRIPTION
	Network: This tab allows you to enter network settings.
	Display: This tab shows you what monitors are connected to the device.
	Settings: This tab allows you to customize settings.
	Connections: This tab allows you to set up device connections.
Tabs	Templates: This tab allows you to choose your screen's layout.
Tabs	Workspaces: This tab allows you to configure the templates.
	Users: This tab allows you to create admin users, power users, and regular users.
	System: This tab allows you to set system parameters.
	NOTE: Standard users and Power users will not have access to any options that conflict with the rights granted to that group of users.



3.3 NETWORK TAB

When the "Network" tab is selected, the system displays the "Network Settings" screen, as shown in Figure 3-10 below:

Boxilla Operation Mode : Unmanaged	E	BLACK B®X			🛓 admin 🗸
.₄I Network ■ Display	Settings 🛛 🔗 Connec	tions 🚦 Templates	Workspaces	# Users	O System
	Net	work Settings			
	Obtain an IP addres	s automatically			
	IP Address	192.168.1.21			
	Subnet Mask	255.255.255.0			1
	Gateway	192.168.1.1			
	Primary DNS Address	Enter Primary DNS			
	Secondary DNS Address	Enter Secondary DNS	5		
	Save	Refresh			

FIGURE 3-10: NETWORK SETTINGS SCREEN







Table 3-3 explains the options on the Network Settings screen.

TABLE 3-3. NETWORK SETTINGS

ITEM	DESCRIPTION		
	When you set this DHCP Slider Bar to the "ON" position by dragging it to the right and then click on the "Save" button, the system tries to obtain an IP address automatically. If successful, it displays a message stating that the IP address was saved successfully, as shown in Figure 3-11 below:		
Obtain an IP address automatically (DHCP Slider Bar)	IP Saved Successfully Close		
	FIGURE 3-11: SUCCESSFUL IP SAVE MESSAGE Click on the message's "Close" button to exit the message screen.		
IP Address	By default, the IP address is set to 192.168.1.21. You can keep this IP address, edit it, or use the DHCP Slider Bar to obtain an IP address automatically.		
Subnet Mask	You can keep or edit the subnet mask displayed on the screen.		
Gateway	By default, the Gateway address is 192.168.1.1. You can keep this address or edit it.		
Primary DNS Address	(optional) You can enter the Primary DNS address in this field.		
Secondary DNS Address	(optional) You can enter the Secondary IP address in this field.		
	Click on the "Save" button to save information that you entered. Click on the "Cancel" button to discard information that you entered. The "Save" and "Cancel" buttons are shown in Figure 3-12 below:		
Save/Cancel buttons	Save Cancel		
	FIGURE 3-12: SAVE AND CANCEL BUTTONS		
	After you click on the "Save" button, the system shows the message shown in Figure 3-11 after it successfully saves the IP address.		





3.4 DISPLAY TAB

When the "Display" tab is selected, the system displays the "Display Settings" screen, as shown in Figure 3-13A and Figure 3-13B below:

Boxilla Operation Mode : Unr	nanaged	BLACK B⊗X		ᆂ admin 🗸
🗚 Network 🗖	Display 🌣 Settings	𝒞 Connections S Templates	🖥 Workspaces 🛛 🛎 Users	O System
	Display Settings	Iden	Detect	
	-	Elgato		

FIGURE 3-13A: TOP SECTION OF DISPLAY SETTINGS SCREEN

Primary Display	Elgato +
Selected Display	Elgato
Manufacturer Info	Elgato Systems LLC 0.8"
Resolution	1920 x 1080 *
Refresh Rate	60.0 -
Connected Interface	HDMI-1
Save	el

FIGURE 3-13B: BOTTOM SECTION OF DISPLAY SETTINGS SCREEN

This screen shows the monitor(s) that are connected to the DESKVUE unit along with the settings for the selected monitor.

NOTE: The system displays a number on each monitor icon to identify it within the DESKVUE system.



Table 3-4 explains the options on the "Display Settings" screen.

TABLE 3-4. DISPLAY SETTINGS

ITEM	DESCRIPTION					
	The "Identify" function places numerical numbers on each connected display to show the orientation/order that the system is using. An example is shown in Figure 3-14 below:					
Identify	e admin ∽ ⊙ System 1					
	FIGURE 3-14: SCREEN NUMBER FROM IDENTIFY FUNCTION					
Detect	Use the "Detect" button to determine what displays are connected to the DESKVUE unit. This function is best used when new displays were added or switched around after the unit has been powered on. There will not be a confirmation message, but the system will update within approximately one second.					
Primary Display	Choose the primary display from the option(s) in the drop-down list box.					
Selected Display	The system automatically displays the currently selected display, so this information cannot be edited.					
Manufacturer Info	This is the name of attached display provided by its EDID table.					
Resolution	Choose the desired screen resolution for the selected display from the drop-down list box. Resolutions that are displayed in the list are provided by the display's EDID table and can vary depending on the type of display used. The display's preferred resolution includes an asterisk to the right of the resolution name.					
Refresh Rate	Choose the desired refresh rate for the selected display from the drop-down list box. Refresh Rates are defined by the type of monitor that is used, and the information is derived from the attached display's EDID table.					
Connected Interface	This is the label that DESKVUE applies to the display's physical interface. Figure 1-2 identifies the interfaces.					
	Click on the "Save" button to save information that you entered. Click on the "Cancel" button to discard information that you entered. The "Save" and "Cancel" buttons are shown in Figure 3-15 below:					
Save/Cancel buttons	Save Cancel					
	FIGURE 3-15: SAVE AND CANCEL BUTTONS					



3.5 SETTINGS TAB

When the "Settings" tab is selected, the system displays the "Global Settings" screen, as shown in Figure 3-16 below:

Boxilla Operation Mode : Unmana	ged	BLACK	K B⊗X			ᆂ admin 🗸
.al Network 💻 Dis	play 🌣 Settings	ℓ Connections	🚦 Templates	Workspaces	🛎 Users	③ System
		Global S	settings			
	Hot-keys	WINDO	ows	•		
	Audio Interface	Select	audio interface	>		
	System Volume			· · · · · · · · · · · · · · · · · · ·		1
	Overlays	Enable	d	·		

FIGURE 3-16: GLOBAL SETTINGS PAGE

Table 3-5 explains the options on the "Global Settings" page.

TABLE 3-5. GLOBAL SETTINGS

ITEM	DESCRIPTION					
Hot keys	Select the desired hot key from the drop-down list box. NOTE: In the initial release the only available hot key is assigned to the Windows key on the keyboard.					
	Choose the desired audio output from the drop-down list box options. An example of the drop-down menu and submenu appears in Figure 3-17 below:					
Audio Interface	Audio Interface Select audio interface sub-C-Media Electr System Volume pci-0000_0 outputanalog-stereo Overlays Enabled talback					
	FIGURE 3-17: GLOBAL SETTINGS PAGE Use this slider bar, as shown in Figure 3-18 below, to adjust the system volume. Mov the bar to the left to decrease the volume, and move it to the right to increase th volume.					
System Volume	FIGURE 3-18: SLIDER BAR					

BLACKBOX.COM





TABLE 3-5. GLOBAL SETTINGS (CONTINUED)

ITEM	DESCRIPTION					
	Use this option to configure if the DESKVUE unit shows overlays by either disabling overlays via the drop-down menu. These options are shown in below:					
Overlays	Overlays	Enabled				
	•	Disabled				
	FIGURE 3-19: GLOBAL SETTINGS PAGE					

3.6 CONNECTIONS TAB

When the "Connections" tab is selected, the system displays the "Connections List" screen, as shown in Figure 3-20 below:

Boxilla Operation Mode : Unmanaged			BLACI	K B⊗X			🛓 admin	~
🗚 Network 🛛 🛡		Settings		Templates	Workspaces	🛎 Users	System	
▲ Network ●	Search Filter By Conn	Settings connections c TX RD ection List Graphics #1 Graphics #2 Prod #1		templates (4) ● (4) ● (4) ●	Workspaces + Add Nev Check Check Check c		System	

FIGURE 3-20: CONNECTIONS LIST SCREEN

NOTE: The items shown in the Connection List are provided for example only; the list shown on your screen is dependent upon connections made with your DESKVUE unit or connections configured in Boxilla if the DESKVUE unit is managed.



Table 3-6 explains the options on the Connections List screen.

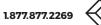
TABLE 3-6. CONNECTION LIST OPTIONS

ITEM DESCRIPTION Search connections box Type in this search box to customize the items shown in the Connection List. When you type in this box, all connections containing that search term will be displayed, as shown in the example in Figure 3-21 below: GR Filter By: TX RDP PCOIP **Connection List** + Add New Graphics #1 (J)) (O) Check Graphics #2 (J)) (O) Check

FIGURE 3-21: CONNECTION SEARCH BOX RESULTS

Filter By	Click in the appropriate check box(es) if you want to filter your results by a specific connection type: Transmitter, RDP, or PCoIP.				
Add New	Click on this button to manually add a new transmitter, RDP, PCoIP, or H.264 / H.265 Stream Connection connection.				
	Click on the "Check" button to test the connection. When you click on this button, the system attempts to reach the connection and displays a connection status message, as shown in Figure 3-22 below:				
Check Button	Connecting to 10.8.1.50				

FIGURE 3-22: CONNECTION STATUS SCREEN.





3.6.1 ADD NEW CONNECTION

After you click on the "Add New" button, the system displays a configuration screen. The configuration screen shown will depend upon the connection type selected, as shown in Figure 3-23, Figure 3-24A and Figure 3-24B, and Figure 3-25A and Figure 3-25B starting below:

Boxilla Operation Mode : Unmanaged	BL	ACK B⊗X			🛓 admin 🗸
🗚 Network 🔎 Display 🌩 Settir	ngs & Connection	ns 🚦 Templates	Workspaces	🛎 Users	O System
	New	Connection			
	Connection Name	Enter name			
	IP Address	Enter ip			
		Check			
	Connection Type	тх	•		
	Connection Mode	Private	•		
	Audio Source	Off	•		
	View Only	● c	DFF		
	Save	Cancel			

FIGURE 3-23: NEW CONNECTION SCREEN FOR TX CONNECTION TYPE



Boxilla Operation Mode : Unmanaged	BL	BLACK B⊗X			🛓 admin 🗸
📶 Network 🛛 🛡 Display 🗢 Settir	ngs & Connectio	ns 🚦 Templates	Workspaces	🛎 Users	O System
	New	Connection			
	Connection Name	Enter name			
	IP Address	Enter ip			
		Check			
	Connection Type	RDP -			
	Port	3389			
	User Name	Enter name			
	Password	Enter password	2		

FIGURE 3-24A: TOP SECTION OF NEW CONNECTION SCREEN FOR RDP CONNECTION TYPE

Domain	Enter domain
Audio Source	Off
View Only	• •
Sar	Cancel

FIGURE 3-24B: BOTTOM SECTION OF NEW CONNECTION SCREEN FOR RDP CONNECTION TYPE





Boxilla Operation Mode : Unmanaged			BL	ACK B⊗X			🛓 admin 🗸
.al Network	Display	Settings		ns 🚦 Templates	🖶 Workspaces	# Users	③ System
			New	Connection			
				Connection			
		Co	onnection Name	Enter name			
		IP	Address	Enter ip			
				Check			

FIGURE 3-25A: TOP SECTION OF NEW CONNECTION SCREEN FOR PCOIP CONNECTION TYPE

Connection Type	nection Type -
User Name	Name Enter name
Password	word Enter password 🏾 🍭
Domain	Enter domain
Audio Source	io Source Off -
View Only	only OFF
Save	Save

FIGURE 3-25B: BOTTOM SECTION OF NEW CONNECTION SCREEN FOR PCOIP CONNECTION TYPE



Table 3-7 explains the options on the "New Connection" screen.

	TABLE 3-7. NEW CONNECTION OPTIONS						
ITEM	DESCRIPTION						
Connection Name	Enter a name for the connection. The Emerald® DESKVUE unit will use this connection name on all screens that show the connection.						
	Enter the IP address for the connection. You can click on the "Check" button to verify that the IP address entered is valid. After DESKVUE uses this check to verify the validity of the connection, it displays the message shown in Figure 3-26 when the IP address is able to be reached or the message shown in Figure 3-27 when the IP address is not able to be reached.						
	IP Address Is Contactable						
	OK						
IP Address	FIGURE 3-26: IP ADDRESS VERIFICATION MESSAGE WHEN CONTACTABLE						
	! IP Address Is Not Contactable						
	Ok						
	FIGURE 3-27: IP ADDRESS VERIFICATION MESSAGE WHEN NOT CONTACTABLE						
	Choose the connection type from the drop-down list box. You can choose TX (for transmitter), RDP, or PCOIP, as shown in Figure 3-28 below:						
	Connection Type TX						
Connection Type	RDP						
	Connection Mode PCOIP						
	FIGURE 3-28: CONNECTION TYPE OPTIONS						
	Choose the connection type from the drop-down list box. You can choose "private" or "shared," as shown in Figure 3-29 below.						
	Connection Mode Private						
Connection Mode (TX option)	Shared						
	Audio Source						
	FIGURE 3-29: CONNECTION MODE OPTIONS						
	If set to "private," only one person can be connected to the transmitter. If set to "shared," multiple people can connect to the same transmitter.						

1.877.877.2269





TABLE 3-7. NEW CONNECTION OPTIONS (CONTINUED)

ITEM	DESCRIPTION						
	Use this drop-down list box to select the audio source. You can choose "OFF," or "3.5mm/DP Audio," or "HID Audio" from the list, as shown in Figure 3-30 below. "OFF" disables audio for the device. "3.5MM/DP audio" enables audio. HID Audio is model dependent. When supported, it enables audio to be sent over the USB channel to a USB speaker.						
Audio Source		Audio Source	Off				
			3.5mm/DP Audio				
		View Only	HID Audio				
	FIGU	JRE 3-30: IP ADDRESS CO	ONTACTABLE VERIFICATION MESSAGE				
Port (RDP option)	Enter the port fo	or the RDP target devic	e. 3389 is the standard RDP protocol.				
User Name (RDP and PCoIP options)	Enter the user n	Enter the user name for the RDP Connection User using the device.					
Password (RDP and PCoIP options)	Enter the password for the desired RDP user that was entered in the previous section. If you leave the password field blank, the Emerald® DESKVUE unit will not be able to automatically log in and will display the login screen.						
Domain (RDP and PCoIP options)	Enter the device's domain, if applicable.						
View Only	When the slider bar is in the "ON" position, the connection will be in View mode only, meaning that keyboard and mouse activity will not be passed to the target device. The end user can only see the video and hear the audio (when audio is enabled). When it is in the "OFF" position, the connection will connect the keyboard and mouse, and the end user can control the remote target. Click on the right side of the slider bar to turn it "ON" and click on the left side of the slider bar to turn it off. The slider is shown below in the "OFF" position in Figure 3-31 and in the "ON" position in Figure 3-32:						
		View Only					
		FIGURE 3-31: ON/OF	F SLIDER WITH OPTION OFF				
		View Only					
		FIGURE 3-32: ON/O	FF SLIDER WITH OPTION ON				
		d information that you	mation that you entered. Click on the "Cancel" a entered. The "Save" and "Cancel" buttons are				
Save/Cancel buttons		Save	Cancel				
		FIGURE 3-33: SAV	E AND CANCEL BUTTONS				
	After you click on the "Save" button to save the new connection, the connection appears in the connection list.						

Once you add a connection, you can click on the "Check" button to verify the connection by attempting to connect to it.





3.7 TEMPLATES TAB

When the "Templates" tab is selected, the system displays the "Templates List" screen, as shown in Figure 3-34 below:

Boxilla Operation Mode : Unmanag	ed BL	BLACK B&X						
🛋 Network 🛛 🛡 Disp	lay 🌣 Settings 🔗 Connection	ns 👪 Templates	🐁 Workspaces	🛎 Users	③ System			
	Search templates							
	Templates List		+ Add New					
	One Tile on one display		Preview					
	Four Tiles on one display		Preview		1			
	Four Tiles - Pip Right on one display		Preview					
	Four Tiles - Pip Left on one display		Preview					
	Eight Tiles on one display		Preview					

FIGURE 3-34: TEMPLATES LIST SCREEN

This screen displays five predefined layout templates. The ability to create new templates is currently under development.





3.7.1 ONE TILE ON ONE DISPLAY

The "One Tile on one display" template contains one tile, which represents one connection, on one display unit. That connection uses the entire screen. When you click on the "Preview" button for this option, the system displays an example of the template, as shown in Figure 3-35 below:

Boxilla Operation Mode : Unmanaged		BLAC	K B⊗X	😦 admin 🗸		
📶 Network 🛛 🗮 Display	Settings	ℯ Connections	Templates	- Workspaces	🛎 Users	System
		Tem	olate			
	Template Nar	me One 1	ïle on one display			
		TI	el			
		Car	ncel			

FIGURE 3-35: ONE TILE ON ONE DISPLAY TEMPLATE

NOTE: If you have a multi-head device, you can map the assignment of the tile to a specific head.



3.7.2 FOUR TILES ON ONE DISPLAY

The "Four Tiles on one display" template contains four tiles, which each represent one connection, on one display unit. Each tile fills 1/4 of the screen.

NOTE: The tile numbers shown in the template are important, since you map a connection to a specific tile location when you create a workspace.

When you click on the "Preview" button for this option, the system displays an example of the template, as shown in Figure 3-36 below:

Boxilla Operation Mode : Unmanaged		BLA	ACK B⊗X			🛓 admin 🗸	
📶 Network 🛛 🛡 Display	Settings		s II Templates	Subscription Workspaces	🛎 Users	O System	
		Те	mplate				
	Template Na	ime Fo	our Tiles on one display				
		Tile 1	Tile 2				
		Tile 3	Tile 4				
			Cancel				

FIGURE 3-36: FOUR TILES ON ONE DISPLAY TEMPLATE





3.7.3 FOUR TILES - PIP RIGHT ON ONE DISPLAY

The "four Tiles - Pip Right on one display" template contains four tiles, which each represent one connection, on one display unit. There is one large tile, which occupies 2/3 of the screen distance, and three smaller Picture-in-Picture (PiP) tiles to the right of that tile, each of which occupies 1/3 of the remaining screen area.

NOTE: The tile numbers shown in the template are important, since you map a connection to a specific tile location when you create a workspace.

When you click on the "Preview" button for this option, the system displays an example of the template, as shown in Figure 3-37 below:

Boxilla Operation Mode : Unmanaged		BLAC		🛓 admin 🗸		
🛋 Network 🛛 🗖 Display	Settings	€ Connections	Templates	- Workspaces	🛎 Users	③ System
		Tem	plate			
	Template Nan	ne Four	Tiles - Pip Right on or	ne display		
		Tile 1	Tile 2			
			Tile 4			
		Ca	incel			

FIGURE 3-37: FOUR TILES - PIP RIGHT ON ONE DISPLAY TEMPLATE



3.7.4 FOUR TILES - PIP LEFT ON ONE DISPLAY

The "Four Tiles - Pip Left on one display" template contains four tiles, which each represent one connection, on one display unit. There is one large tile, which occupies 2/3 of the screen distance, and three smaller Picture-in-Picture (PiP) tiles to the left of that tile, each of which occupies 1/3 of the remaining screen area.

NOTE: The tile numbers shown in the template are important, since you map a connection to a specific tile location when you create a workspace.

When you click on the "Preview" button for this option, the system displays an example of the template, as shown in Figure 3-38 below:

Boxilla Operation Mode : Unmanaged		BL	ACK B⊗X	x		
📶 Network 🛛 🗮 Display	Settings		ns 🚦 Templates	- Workspaces	🛎 Users	O System
		Т	emplate			
	Template Nan	ne F	Four Tiles - Pip Left on d	one display		
		Tile 2				1
		Tile 4				
			Cancel			

FIGURE 3-38: FOUR TILES - PIP LEFT ON ONE DISPLAY TEMPLATE





3.7.5 EIGHT TILES ON ONE DISPLAY

The "Eight Tiles on one display" template contains eight tiles, which each represent one connection, on one display unit. Each tile fills 1/8 of the screen.

NOTE: The tile numbers shown in the template are important, since you map a connection to a specific tile location when you create a workspace.

When you click on the "Preview" button for this option, the system displays an example of the template, as shown in Figure 3-39 below:

Boxilla Operation Mode :	Unmanaged		E	BLAC	КВ⊗Х				🛓 admin	
.al Network	🛡 Display	Settings	∂ Connec		👪 Te	mplates	- Workspaces	🛎 Users	③ System	
				Tem	plate					
		Template Nam	ne	Eight	Tiles on o	ne display				
			Tile 1	Tile 2	Tile 3	Tile 4				I
			Tile 5	Tile 6	Tile 7	Tile 8				
				Car	ncel					

FIGURE 3-39: EIGHT TILES ON ONE DISPLAY TEMPLATE



3.8 WORKSPACES TAB

When the "Workspaces" tab is selected, the system displays the "Workspace List" screen, as shown in Figure 3-40 below:

Boxilla Operation Mode : Unmanaged BLACK B							🛓 admin 🗸
🗚 Network 🛛 🗮 Disp	play	Settings		Templates	Workspaces	🛎 Users	③ System
	Search wor	rkspace ace List	Connections et list is empty. Click or		+ Add New	▲ Users	Ø System

FIGURE 3-40: WORKSPACES TAB







Table 3-8 explains the initial options on the "Workspaces" tab.

TABLE 3-8. WORKSPACES TAB OPTIONS

ITEM	DESCRIPTION						
Search workspace box							
	Type in this search box to customize the items shown in the Workspace List. Wh you type in this box, all workspaces containing that search term will be display In the example in Figure 3-41 below, "ws" was typed in the search box, so the o workspaces that appear in the Workspace List contain those series of letters.						
	WS						
	Workspace List + Add No						
	WS #1	Connect					
	WS #2	Connect					
	WS #3	Connect					
	FIGURE 3-41:: WORKSPACESEARCH B	SOX RESULTS					

Add New button

Click on this button to define and configure a new workspace.



3.8.1 ADD NEW WORKSPACE

After you click on the "Add New" button, the system displays a configuration screen, as shown in Figure 3-42A and Figure 3-42B below:

Boxilla Operation Mode :	BLACK	B⊗X	🛓 admin 🗸				
.al Network	🛡 Display	Settings	<i>∂</i> Connections	Templates	Workspaces	🛎 Users	③ System
			New work	kspaces			
	Workspace N	ame		WS #4	•		
	Workspace D	escription		Enter	description		
			Display I	_ayout			
			Tile				
			Elgat	:0 *			
						* = Primary	

FIGURE 3-42A: TOP SECTION OF ADD NEW WORKSPACE SCREEN

	Select Templates		
Display Elgato *	One Tile o	on one display	*
Select connection on Tile 1	Select Co	nnection	•
	Save Cancel		

FIGURE 3-42B: BOTTOM SECTION OF ADD NEW WORKSPACE SCREEN





Table 3-9 explains the options on the "New workspace" screen.

	TABLE 3-9. NEW WORKSPACE OPTIONS						
ITEM	DESCRIPTION						
Workspace Name	Enter a name for the workspace. The Emerald® DESKVUE unit will use this name to identify the workspace.						
Workspace Description	Enter a description for the workspace.						
Display Layout	This area shows the detected displays.						
Select templates	Select the templates for the display(s) and connection(s) using the drop-down list boxes provided. Use the drop-down list box selections to map the desired connection to the tile(s). You can map the same connection to multiple tiles, if desired, assuming that the connection is set to "shared" mode. NOTE: Templates created on the Templates tab appear in the drop-down list box. An example appears in Figure 3-43 below: Other Tiles on one display						
	FIGURE 3-43: EXAMPLE OF A TEMPLATE SELECTION DROP-DOWN LIST BOX						
	NOTE: Since virtual machines don't have a set display resolution, you can choose any of the options from the drop-down list box						
	Click on the "Save" button to save information that you entered. Click on the "Cancel" button to discard information that you entered. The "Save" and "Cancel" buttons are shown in Figure 3-44 below:						
Save/Cancel buttons	Save Cancel						
	FIGURE 3-44: SAVE AND CANCEL BUTTON						

TABLE 3-9. NEW WORKSPACE OPTIONS

CHAPTER 3: APPLICATION



After you click on the "Save" button, the newly added workspace appears in the Workspace List. Figure 3-45 shows an example where there was only one created workspace. In this example, the workspace was named #1 - 1 Tile, as shown in Figure 3-45 below:

Boxilla Operation Mode : M		BLACK	K B⊗X			主 admin 🗸	
.d Network	🛡 Display	Settings		Templates	Workspaces	a Users	
	Search	workspace					
	Search	workspace					
	Work	space List			+ Add New		
	#1 - 1	Tile			Connect		

FIGURE 3-45: SAMPLE UPDATED WORKSPACE LIST SCREEN

Table 3-10 explains options for items in the Workspace List.

TABLE 3-10. NEW WORKSPACE OPTIONS

ITEM	DESCRIPTION						
Add New button	Click on this button to define and configure a new workspace. This button was explained in "3.8.1: Add New Workspace."						
	Click on the "Connect" button to connect to the workspace. The "Connect" button changes to a "Terminate" button after the connection is established. Click on the "Terminate" button to end the established connection.						
	Figure 3-46 below shows the "Terminate" button for WS#1, since that workspace is currently connected. The other workspaces in the example are not connected, so the Emerald [®] DESKVUE system displays a "Connect" button instead of a "Terminate" button for the other workspaces.						
Connect/Terminate button	Workspace List + Add New						
	WS #1 Terminate ***						
	WS #2 Connect ····						
	WS #3 Connect ····						

FIGURE 3-46: SAMPLE UPDATED WORKSPACE LIST SCREEN

BLACKBOX.COM



NOTE: After you connect to the workspace, when you hover over a tile, a thin green border appears around the tile to show that the tile is active.

You can also click in the top right corner of a tile to obtain access to additional options, shown in Figure 3-47 below:



FIGURE 3-47: ADDITIONAL TILE OPTIONS

NOTE: Active options are shaded in blue. If an option is not active, click on the button to make it active.

Table 3-11 explains these additional options:

ITEM DESCRIPTION When this option is active, the tile is unlocked and a user can change it by using a Unlock button keyboard and/or mouse. When this option is active, the tile is locked from user input. Therefore, the user's keyboard and mouse cannot be used to change the tile. This is useful to prevent Lock button accidental changes to a tile. Resize button When this option is active, the tile can be moved and resized. When this option is active, the tile cannot be moved or resized. Resizing restricted button When this option is active, the Emerald® DESKVUE unit adjusts a modified screen Snap Video Aspect button to the appropriate aspect ratio so the video doesn't appear to be modified in the horizontal/vertical directions. Make full screen button This option makes the connection fill the entire screen. You can click on the audio button to mute or unmute sound for the tile. A diagonal Audio button line appears across the audio icon when the audio is muted. Audio slider bar You can drag the slider to the desired audio volume.

TABLE 3-11. TILE OPTIONS

TIPS:

- To make a tile full screen, double click on the label on the top of the tile. To return it to its previous size, double click on the label again.
- Use hot keys to increase your workspace efficiency. For more information about hotkeys, see the "Hot Key Actions" under the user's setting options.



3.9 USERS TAB

When the "Users" tab is selected, the system displays the "User List" screen, as shown in Figure 3-48 below:

Boxilla Operation Mode : Unmanaged			BLAC	K B⊗X			🛓 admin ~	
.al Network	🛡 Display	Settings	<i> </i>	Templates	🗣 Workspaces	a Users	O System	
	Search	n users						
	User	List			+ Add New			
	adm	in			0 0 0			

FIGURE 3-48: USERS TAB

NOTE: If the DESKVUE unit is managed by Boxilla, the "Add New" button is not displayed, as shown in Figure 3-49 below. In this case, any new user must be configured within Boxilla.

Boxilla Operation	Mode : Manageo	ł		BLACK B _® X				🛓 admin 🗸
	M Network	🛡 Display	Settings	∂ Connections	Workspaces	a Users	System	
		Search users						
		User List						
		admin						
								1

FIGURE 3-49: USERS TAB



3.9.1 ADD NEW USER

When you click on the "Add New" button, the system displays the "New User" screen, as shown in Figure 3-50 below:

Boxilla Operation Mode :	Unmanaged		BLAC	K B⊗X		🛓 admin 🗸	
.al Network	🛡 Display	Settings	<i> </i>	🖬 Templates	- Workspaces	# Users	 System
			Nev	v User			
		Use	er Name Er	ter user name			
		De	scription Er	ter description			
		Pas	ssword En	ter password	2		
		Use	er Type	lser	•		
			Save	Cancel			

FIGURE 3-50: NEW USER SCREEN

Table 3-12 explains the options on the "New User" screen.

TABLE 3-12. NEW USER OPTIONS

ITEM	DESCRIPTION						
User Name	Enter the name for the user. It should be between 1 and 32 characters and can be any valid username for a Microsoft O/S. This means the username MAY NOT contain $"/ \ []:; =, + *? <> ``.$						
Description	Enter a description for the user.						
Password	Enter a password for the user, up to 32 characters. It can be any valid password for Microsoft O/S. The password MAY contain , ~ :! @ # \$ % ^ & {} but MAY NOT conta " "/ \ [] :; = , + *? <> ``						
		type from the dro n in Figure 3-51 be	op-down list. You can choose "User," "Admin," or low:				
		User Type	User				
			Admin				
		_	Power				
		Sa	ve Guilder				
User Type	access and view They can change for the Emerald [®] by the admin, ar Admin: Admins modify/delete ne settings, and mu	nis class can only se system information e their password. A DESKVUE unit beind the system firm of this class have fu ew users and conne uch more.	5-51: USER TYPE OPTIONS lect from a list of pre-defined connections to n. They cannot change any configuration settings. A standard user can only view the network address ing used, the workspace(s) allocated to the user ware version. Ill rights to configure the system. They can create/ ections, change network settings, adjust system in modify resolution for connections and change				
		rd information that	-				
Save/Cancel buttons	button to discar	rd information that	nformation that you entered. Click on the "Cancel" you entered. The "Save" and "Cancel" buttons are Cancel				

NOTE: The Admin needs to assign available connection(s) and workspace(s) for users and power users. This can be accomplished through the Users tab by clicking on the three dots to the right of the user name and then selecting the "Edit" option. See "3.9.2.1 Edit Options" for more information. These tasks must be completed before the user can define hot keys.





3.9.2 USER MENU OPTIONS

When you click on the three dots to the right of a user name, another menu appears, as shown in Figure 3-53 below:

Boxilla Operation Mode :	Unmanaged		BLAC	K B⊗X			ᆂ admin 🗸
.al Network	📮 Display	Settings		Templates	Workspaces	# Users	System
	Search	users					
	User	List			+ Add New	/	
	adm	'n			Edit		
					Settings		

FIGURE 3-53: USER LIST ADMIN MENU OPTIONS

NOTE: When there is only one user with admin access, the system will not allow you to delete that user. The system requires at least one admin user.



3.9.2.1 EDIT OPTIONS

When you choose the "Edit" option for a user, the system displays the "Edit User" screen, as shown in Figure 3-54 below. This screen enables you to edit information associated with the user, including changing the user's password and changing a description for the user.

Boxilla Operation Mode : Unmanaged	BLAG	CK B⊗X			🛓 admin 🗸
🗚 Network 💻 Display 💠 S	Settings 🕜 Connections	Templates	- Workspaces	a Users	③ System
	Edi	t User			
	User Name ad	dmin			
	Description	dministrative account			
	Password	Change Password			
	User Type	Admin 👻			
	Save	Cancel			

FIGURE 3-54: EDIT USER OPTIONS

Table 3-13 explains the options on the "Edit User" screen.

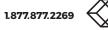




TABLE 3-13. EDIT USER OPTIONS

ITEM	DESCRIPTION					
	Click on the "Change Password" button to change the user's password. The system will then display the change password screen, as shown in Figure 3-55 below:					
	Change Password					
	Enter old password					
Change Password button	Enter new password					
	Enter confirm password					
	Cancel Authenticate					
	FIGURE 3-55: CHANGE PASSWORD SCREEN					
	On this screen, enter the old password and the new password in the corresponding fields. The new password needs to be entered twice to confirm it. Then click on the "Authenticate" button to change the password or the "Cancel" button to discard information that you entered.					
User Type	The user type cannot be edited. It must be set when a new user is created.					
	Click on the "Save" button to save information that you entered. Click on the "Cancel" button to discard information that you entered. The "Save" and "Cancel" buttons are shown in Figure 3-56 below:					
Save/Cancel buttons	Save Cancel					
	FIGURE 3-56: SAVE AND CANCEL BUTTONS					



CHAPTER 3: APPLICATION



After you save your changes, the system displays the screen shown in Figure 3-57A and Figure 3-57B below, where you can assign a workspace and hot key(s) to the user.

Boxilla Operation Mode : Unmanag	ed	BLAC	K B⊗X			👱 admin 🗸
📶 Network 🗖 Disp	lay 🌣 Settings	<i>∂</i> Connections	👪 Templates	🐁 Workspaces	# Users	 System
		Auto Launch	Workspace			
	Select Workspace	No w	orkspace found	-		
		Hot Key As	signments			
	Hot Key +1	Now	orkspace found	*		
	Hot Key + 2	Now	orkspace found	*		
	Hot Key + 3	Now	orkspace found	•		
	Hot Key + 4	Now	orkspace found	•		
	Hot Key + 5	Now	orkspace found	¥		
	Hot Key + 6	Now	orkspace found	*		
	Hot Key + 7	No w	orkspace found	*		

FIGURE 3-57A: TOP SECTION OF USER WORKSPACE AND HOT KEY SELECTION SCREEN

Hot Key + 8	No workspace found	•
Hot Key + 9	No workspace found	¥
Hot Key + 0	No workspace found	-
	Save Cancel	

FIGURE 3-57B: BOTTOM SECTION OF USER WORKSPACE AND HOT KEY SELECTION SCREEN

Use the drop-down list boxes to assign Hot Keys to tiles.



CHAPTER 3: APPLICATION



There are also predefined hot keys built into the Emerald[®] DESKVUE system, as shown in Figure 3-58A and Figure 3-58B.

Boxilla Operation Mode : Unmanaged		BLACK B⊗X	,		🛓 admin 🗸	
🗚 Network 🛛 🛡 Display	Settings	<i> </i>	emplates 📲 Work	n Users	③ System	
		Hot Key Action	ns			
	Hot Key + r	Restore work	space script.			
	Hot Key + p	Switch to the	previous workspace.			
	Hot Key + c	Move the mo screen.	use pointer to the first			
	Hot Key + o	Maximise OS	D in the foreground.			
	Hot Key + ESC	Minimise OSI	D in foreground.			

FIGURE 3-58A: TOP SECTION OF PREDEFINED HOT KEY SCREEN

Hot Key + Up ArrowMaximize active Window.Hot Key + Down ArrowMinimize active Window.Hot Key + uUnmute Audio.Hot Key + mMute Audio.	Hot Key + x	Close the active workspace.
Hot Key + u Unmute Audio.	Hot Key + Up Arrow	Maximize active Window.
	Hot Key + Down Arrow	Minimize active Window.
Hot Key + m Mute Audio.	Hot Key + u	Unmute Audio.
	Hot Key + m	Mute Audio.

FIGURE 3-58B: BOTTOM SECTION OF PREDEFINED HOT KEY SCREEN



3.10 SYSTEM TAB

When the "System" tab is selected by a user classified as admin, the system displays the "System Settings" screen, as shown in Figures 3-59A and 3-59B below:

Boxilla Operation Mode : Unmanaged		BLACK	K B⊗X			🛓 admin 🗸
📶 Network 🛛 🛡 Display	Settings	₽ Connections	Templates	Workspaces	🛎 Users	© System
		System S	Settings			
	System Upgrade			Select File		
	Backup And Restore	e	Restore	Backup		
	System Diagnostics			Retrieve		
	Reset to Factory De	faults		Reset		

FIGURE 3-59A: TOP SECTION OF SYSTEM SETTINGS SCREEN

Delete Monitor Configuration		Delete
OSD Operations		Restart
	Information	
Software Version Number	V1.1.0_r92	

FIGURE 3-59B: BOTTOM SECTION OF SYSTEM SETTINGS SCREEN

NOTE: Standard users and Power users only see the software version number when accessing this screen. Table 3-14 explains the options on the "System Settings" screen.





TABLE 3-14. SYSTEM SETTING OPTIONS

ITEM	DESCRIPTION
Custome like some de	When a system update is available, click on the "Select File" button and follow the on-screen directions to complete the update using a file stored on a removable USB drive using a FAT/FAT32 format. Available upgrade files will appear in a pop-up window, as shown in Figure 3-60 below:
System Upgrade	
	FIGURE 3-60: UPGRADE FILE SELECTION SCREEN
	NOTE: The upgrade file must be located in the root directory of the flash drive; it cannot be located in a sub folder.
	Backup: Click on this button to back up system settings to a removable drive, such as a USB flash drive. When you choose this option, the system will display a screen showing the backup name and offering you the option to save the file by clicking on the "Save" button or cancelling the backup by clicking on the "Cancel" button.
Backup and Restore	The backup confirmation screen is shown in Figure 3-61 below:
	FIGURE 3-61: BACKUP CONFIRMATION SCREEN Restore: click on this button to restore system settings from the backup that you previously saved to a removable USB drive. The saved settings can be used to restore multiple DESKVUE units.
	When you click on this option, you will be prompted to choose the file to use for the restore, as shown in Figure 3-62 below: X Select file for restore beckup FIGURE 3-62: FILE RESTORE SELECTION SCREEN
	Click on this button to perform system diagnostics to help troubleshoot a system problem. You typically use this option when working with a technical support team member to resolve an issue. It will export log files to an attached USB drive.
System Diagnostics	When you choose this option, the system will display a screen showing the filename for the system diagnostics log file and offering you the option to save the file by clicking on the "Save" button or cancelling the file save by clicking on the "Cancel" button.
	The diagnostic log confirmation screen is shown in Figure 3-63 below:
	FIGURE 3-63: FILE RESTORE SELECTION SCREEN



TABLE 3-14. SYSTEM SETTING OPTIONS (CONTINUED)

ITEM DESCRIPTION Click on the "Reset" button to reset the system to the settings that shipped with the product. When you click on this button, the system will display a confirmation message as shown in Figure 3-64 below: **Resetting to Factory Default** This action will remove all data and settings. Are you sure you want to continue? Reset to factory defaults Continue Cancel FIGURE 3-64: FACTORY DEFAULT RESET CONFIRMATION MESSAGE To reset to factory defaults, click on the "Continue" button. This removes the unit configuration, and makes it an unmanaged unit. All settings are restored to the settings supplied with the shipped DESKVUE unit. To cancel the action, click on the "Cancel" button. Delete Monitor Configuration Use this option to remove any preconfigured monitor layouts. When clicked, this option will restart the GUI, lout out the user, and display the login **OSD** Operations screen. Information The Emerald® DESKVUE unit displays its software version in this area.







TABLE 4-1. TROUBLESHOOTING

ERROR MESSAGE	RESOLUTION				
	To resolve this issue:				
	1. Remove the network cable and attach it to a different network switch.				
The network cable is attached to a non-supported interface port. Please switch connections.	2. Refresh the page to remove the error message.				
	3. Hot plug the network cable back to the original switch.				
	4. Update your network settings.				
	5. Apply.				
Unable to connect to <network address> Please confirm connection details and target is powered up and connected to the network.</network 	Using a different system, use the PING function to verify that the network address is responding. If the target is responding to PING requests, check the connection parameters and firmware.				





A.1 BOXILLA DISCOVERY

The Emerald[®] DESKVUE unit can be discovered and managed by the Boxilla[®] manager as long as it is using the DESKVUE firmware version 1.1.0.r94 or later **and** the Boxilla unit is using firmware version 4.7.0 or later. Older firmware versions do not support integrating DESKVUE and Boxilla.

NOTE: If the DESKVUE unit is managed by another Boxilla Manager, it will need to be factory reset prior to performing the Boxilla Discovery process.

A.1.1 DISCOVERING AND MANAGING THE DESKVUE UNIT

To discover and manage the DESKVUE unit through the Boxilla Manager:

- 1. Verify that the DESKVUE unit is turned on.
- 2. Verify that the DESKVUE unit is connected to the network so that Boxilla can detect it.
- 3. Verify that the IP Address (192.168.1.1) is not in use. Otherwise, the Boxilla discovery process will not work.
- 4. In the Boxilla administrative interface, go to Discovery and press the "Discovery" button. The DESKVUE unit should then be discovered and show as Unmanaged, as shown in Figure A-1 below:

=	BOXILLA AV IT MANAGER	C						ا ∿ ®
Dashboard	Disco	very						
	~							
🚐 Switches	~					Defa	ault IPs Ping	Discover
E Peripherals		A	utomatic Discovery			Add Manually		
Zones				Showing 1 to 4	l of 4 Items			
10 Lones		MAC Address ^	IP Address	Netmask	Gateway	Model	State	
		00:8C:10:20:FD:14	10.8.60.25	255.255.0.0	10.8.1.1	EMD2002PE-R	Managed	
	^	00:8C:10:20:FF:86	10.8.60.24	255.255.0.0	10.8.1.1	EMD2000PE-T-P	Managed	
		00:8C:10:21:8A:77	10.8.60.27	255.255.0.0	10.8.1.1	EMD2002PE-DP-T	Managed	
曫 Users	~	00:CE:39:D2:5D:FD	10.8.60.23	255.255.0.0	10.8.1.1	EMD5004-R	UnManaged	
	^ ^						« < <u>1</u> d	1 2 2
	^							
🔅 Discovery								
Alerts	^							

FIGURE A-1: DETECTED DESKVUE UNIT SHOWING AS UNMANAGED





5. Change the Emerald[®] DESKVUE network settings, if necessary, through the Boxilla[®] web interface by selecting "Edit" from the drop-down menu shown in Figure A-2 below:

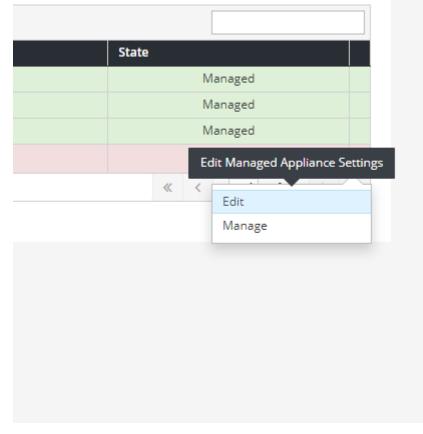


FIGURE A-2: EDIT OPTION



6. Configure the network settings for the Emerald[®] DESKVUE unit using the "Edit Device" screen, shown in Figure A-3 below:

MAC	00:CE:39:D2:5D:FD		
IP Address	10.8.60.23		
Model	EMD5004-R		
Gateway	10.8.1.1		
Netmask	255.255.0.0		
State	UnManaged		
Cancel Apply			

FIGURE A-3: EDIT DEVICE SCREEN

NOTE: Use network settings that allow the DESKVUE unit and Boxilla® Manager to be on the same subnet/network.

7. Click on the "Apply" button to accept your changes, as shown in Figure A-4 below:

	Manage Device
MAC	00/CE39/D2/50/FD
IP Address	10.8.60.23
Model	EMD5004-R
Zone	v
Managed Name	DeskYue
Cancel Apply	

FIGURE A-4: APPLY BUTTON





8. After the system returns to the Discovery page in the Boxilla® Manager, manage the Emerald® DESKVUE unit by using the "Manage" option in the drop-down menu, as shown in Figure A-5 below:

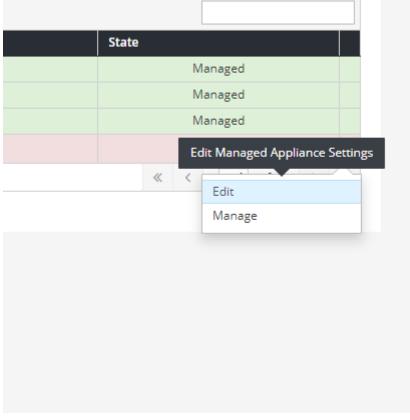


FIGURE A-5: MANAGE OPTION ON DROP-DOWN MENU



After you select the "Manage" option on the drop-down menu, the system displays a confirmation message, as shown in Figure A-6 below:

10.8.60.20 says			
Are you sure you want to manage this device?			
	ОК	Cancel	

FIGURE A-6: DEVICE MANAGEMENT CONFIRMATION MESSAGE

9. Click on the "OK" button shown in Figure A-6 above to enable Boxilla® to manage the Emerald® DESKVUE unit. The system should display a confirmation message stating that the operation was successful, as shown in Figure A-7 below:

	Second Managed Device DestMie
Successfully Managed Device: DeskVue, Please wait.	

FIGURE A-7: OPERATION SUCCESSFUL CONFIRMATION MESSAGE

NOTE: When the DESKVUE unit is on the same network/subnet as the Boxilla Manager, the operation should be successful. If the operation fails, verify that the DESKVUE unit and the Boxilla Manager are on the same network/subnet and that supported firmware is being used, per information specified in "A1: Boxilla Discovery."







The Emerald[®] DESKVUE unit will initially show up in the device list as "Offline" with a "Waiting" status, as shown in Figure A-8 below;

es Settings										Bulk Updat	te S	ystem Proper	ties –	Template	Edit Templ	ate -	+ Add Ti
							Dev	ices S	lettings								
9		3 On-Line Dev	ices		Ø	<u>19</u>		0 Active Conr	ections		Ø	1		De	0 evice Alerts		6
		Video Sett	ings					Misc Set	tings					L	ACP Info		
							Show	ving 1 to 5 i	Results out of 5								
Device Name 🗸	Zone	Configuration	Public IP Address	Private IP Address	Static NAT	Connections	Model	State	Status	Bonded Group	Video Quality	Video Source Opt	EDID Settings DVI 1	Cloned Receiver	EDID Setttings DVI 2	Cloned Receiver	Options
TX3 - EMD2002PE-DP- T		Unique	10.8.60.27	10.8.60.27		TX3 - EMD2002PE-DP- I	EMD2002PE- DP-T	OnLine	Configured		Default		1920×1080		1920×1080		٠
TX1 - EMD2000PE-T-P		Unique	10.8.60.24	10.8.60.24		TX1 - EMD2000PE-T-P	EMD2000PE-T- P	OnLine	Configured		Best Quality	Off	1920×1080				٠
RX2 - EMD4000R		System	10.8.60.26	10.8.60.26			EMD4000R	OffLine	Retrieving								•
RX1 - EMD2002PE-R		Unique	10.8.60.25	10.8.60.25			EMD2002PE-R	OnLine	Configured								•
DeskVue		Unique	10.8.60.23	10.8.60.23			EMD5004-R	OffLine	Waiting								•

FIGURE A-8: DESKVUE UNIT SHOWN AS OFFLINE WITH WAITING STATUS

The operation will finish in a few minutes, and the system will update the status to "Online" as shown in Figure A-9 below:

es Settings										Bulk Updat	te S	system Prope	rties –	Template	Edit Templ	ate ·	+ Add Tei
							Dev	vices S	Settings								
<u>fe</u>		4 On-Line Dev	rices		0	1		0 Active Conr			Ø	<u>1</u>		De	0 vice Alerts		©
		Video Sett	ings					Misc Set	ttings					U	ACP Info		
							Shov	ving 1 to 5 l	Results out of 5								
	Zone	Configuration	Public IP Address	Private IP Address	Static NAT	Connections	Model	State	Status	Bonded Group	Video Quality	Video Source Opt	EDID Settings DVI 1	Cloned Receiver	EDID Setttings DVI 2	Cloned Receiver	Options
TX3 - EMD2002PE-DP- T		Unique	10.8.60.27	10.8.60.27		TX3 - EMD2002PE-DP- I	EMD2002PE- DP-T	OnLine	Configured		Default		1920×1080		1920×1080		0
TX1 - EMD2000PE-T-P		Unique	10.8.60.24	10.8.60.24		TX1 - EMD2000PE-T-P	EMD2000PE-T- P	OnLine	Configured		Best Quality	Off	1920×1080				٠
RX2 - EMD4000R		System	10.8.60.26	10.8.60.26			EMD4000R	OffLine	Retrieving								•
RX1 - EMD2002PE-R		Unique	10.8.60.25	10.8.60.25			EMD2002PE-R	OnLine	Configured								٠
		Unique	10.8.60.23	10.8.60.23			EMD5004-R	OnLine									•

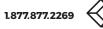
FIGURE A-9: STATUS CHANGED TO ONLINE



Although the status is updated to online, the system is still updating. Once the operation is complete, the unit's status will be updated to "Online" and "Configured," as shown in Figure A-10 below:

						Dev	/ices S	ettings								
	4 On-Line Dev	ices		Ø	<u>1</u>		0 Active Conn	ections		Ø	12		De	0 vice Alerts		0
	Video Sett	ings					Misc Set	tings					L	ACP Info		
						Show	ving 1 to 5 F	Results out of 5								
Zone	Configuration	Public IP Address	Private IP Address	Static NAT	Connections	Model	State	Status	Bonded Group	Video Quality	Video Source Opt	EDID Settings DVI 1	Cloned Receiver	EDID Setttings DVI 2	Cloned Receiver	Options
	Unique	10.8.60.27	10.8.60.27		TX3- EMD2002PE-DP- I	EMD2002PE- DP-T	OnLine	Configured		Default		1920×1080		1920x1080		•
	Unique	10.8.60.24	10.8.60.24		TX1 - EMD2000PE-T-P	EMD2000PE-T- P	OnLine	Configured		Best Quality	Off	1920×1080				•
	System	10.8.60.26	10.8.60.26			EMD4000R	OffLine	Retrieving								•
	Unique	10.8.60.25	10.8.60.25			EMD2002PE-R	OnLine	Configured								•
	Unique	10.8.60.23	10.8.60.23			EMD5004-R	OnLine	Configured								•
	•	Zone Configuration - Unique - System - System - Unique	On-Line Daries Video Setticita Zone Onfiguradio Online Padricita Inique Inique Inique Unique Inique Inique Inique System Inique Inique Inique Inique Inique Inique Inique Inique Inique Inique	On-Line Devices Video Setting Video Setting	On-Line Davices Volte Video Settings Video Settings Zone Configuration Public P Address Public P Address Public P Address Satic Zone Configuration Public P Address Public P Address Public P Address Satic Zone Unique DisBo27 DisBo27 DisBo27 DisBo27 Line Unique DisBo27 DisBo28 DisBo28 DisBo28 Line Unique DisBo25 DisBo25 DisBo25 DisBo28	On-Une Devices Vide Public IP Nut Connections Zone Configuration Public IP Nut Static Connections Zone Configuration Public IP Nuter IP Static Connections Zone Configuration Public IP Nuter IP Static Connections Zone Configurations Ruter IP Nuter IP Static Connections Zone Unique Ruter IP Nuter IP Static The Devices Zone Unique Ruter IP Ruter IP Ruter IP The Device IP Zone Unique Ruter IP Ruter IP Ruter IP Ruter IP Zone System Ruter IP Ruter IP Ruter IP Ruter IP Zone System Ruter IP Ruter IP Ruter IP Ruter IP Zone System Ruter IP Ruter IP Ruter IP Ruter IP Zone Ruter IP Ruter IP Ruter IP Ruter IP Ruter IP </td <td>Age Pail Address Mail <</td> <td>Agency Point and Provided of Address Point and Provided of Add</td> <td>On-Line Devices Public IP Private IP Static Connections Model State State</td> <td>Image: Problem Problem</td> <td>Advession Profile State Output Outp</td> <td>Address Not Address Static Reference Port Static Reference Port Online Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configur</td> <td>Address Static Connections Model State Constructions Construc</td> <td>Address Static Connections Model Status Conserved Conserved Status Status</td> <td>Address Note Address Static Conceptions Conceptions<!--</td--><td>Address Note Address Status Configured Configured Concept (Configured) Configured) Concept (Configured) Configured) Concept (Configured) Configured) Configured Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured <thconfigured)< th=""> Configured) <thconfigured)< th=""> Configured)</thconfigured)<></thconfigured)<></td></td>	Age Pail Address Mail <	Agency Point and Provided of Address Point and Provided of Add	On-Line Devices Public IP Private IP Static Connections Model State State	Image: Problem	Advession Profile State Output Outp	Address Not Address Static Reference Port Static Reference Port Online Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configured Configur	Address Static Connections Model State Constructions Construc	Address Static Connections Model Status Conserved Conserved Status Status	Address Note Address Static Conceptions Conceptions </td <td>Address Note Address Status Configured Configured Concept (Configured) Configured) Concept (Configured) Configured) Concept (Configured) Configured) Configured Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured <thconfigured)< th=""> Configured) <thconfigured)< th=""> Configured)</thconfigured)<></thconfigured)<></td>	Address Note Address Status Configured Configured Concept (Configured) Configured) Concept (Configured) Configured) Concept (Configured) Configured) Configured Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured Configured) Configured <thconfigured)< th=""> Configured) <thconfigured)< th=""> Configured)</thconfigured)<></thconfigured)<>

FIGURE A-10: STATUS UPDATED TO ONLINE AND CONFIGURED





B.1 WORKSPACE CREATION/ASSIGNMENT

When the Emerald[®] DESKVUE unit is managed by a Boxilla[®] Manager, a workspace can be created and assigned to one user or to multiple users.

B.1.1 CREATING A WORKSPACE

To create a workspace:

1. In the Boxilla web interface, navigate to Users --> Workspaces. The workspace screen is shown in Figure B-1 below:

	LLA C P O L
Dashboard	Users Workspaces
🚍 Devices 🛛 🔨	# Workspaces Workspace +
📾 Switches 🔨	Sarch workspore.
🙈 Peripherals	
🕅 Zones	
🗢 Connections 🗠	No workspaces defined yet.
🐸 Users 🗸 🗸	
Manage Active	4 < 1 d1 > >
Workspaces	
👝 DKM 🛛 🔨	
🔅 System 🔨	
a _e License 🛛 🔨	
🗞 Cluster	
.of. Discovery	
🛦 Alerts 🔨	

FIGURE B-1: WORKSPACE SCREEN





2. Click on the "Add Workspace" button and enter both a name and description for the workspace in the appropriate fields shown in Figure B-2 below:

i≣ Add workspace				×
Workspace Properties				
> Workspace Name				
MyWorkspace				
> Workspace Description	ı			
Layout for 4 screens			li	
		C	lose Sav	e

FIGURE B-2: ADD WORKSPACE SCREEN

3. Click on the "Save" button shown in Figure B-2 above.





If the workspace was configured properly, the system will display a success notification in the top right corner of the screen, as shown in Figure B-3 below:

	ILLA C'	V success Workspace created.
Dashboard	Users Workspaces	
E Devices 🔨	# Workspaces	Workspace +
📠 Switches 🔨	Search workspaces.	
Peripherals	A MyWorkspace ⊥0 ▲0	View + 🔺 🗡 🗉
🔰 Zones	No views defined yet	
Connections ^		« < 1 of 1 > »
替 Users 🗸 🗸		
Manage		
Active Workspaces		
DKM ^		
🖨 System 🔨		
a, License 🔨		
🗞 Cluster		
.o. Discovery		
🛦 Alerts 🔨		

FIGURE B-3: SUCCESS MESSAGE

NOTE: If an error occurs, review the error message for information about the problem.



4. Add a View by clicking on the "View +" button. The "Add View" screen will appear, as shown in Figure B-4 below:

		i≣ Add View	×	► ®- 1-
Dashboard	Users Workspaces	Display Layout	View Configuration	
Devices ^	## Workspaces	One Tile on one display	> View Name	Workspace +
Switches 🔨	Search workspaces.		> View Description	
Peripherals	▲ MyWorkspace 💷 0 🛋 0	1	> Display	A / B
🕅 Zones			1 v	
🔶 Connections 🛛 🔿		Four Tiles on one display	Assigned Template Select display layout.	
曫 Users 🗸 🗸		1 2	C C	1 of 1 > >>
Manage Active		3 4		
Workspaces				
📄 DKM 🛛 🔿		Four Tilae - DID Dinhe	Close Save	
System				
Q _€ License ∧				
🚓 Cluster				
.°ç°, Discovery				
🛕 Alerts 🔷				

FIGURE B-4: ADD VIEW SCREEN

5. Select a Display Layout Format.

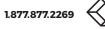




Figure B-5 below shows an extended Display Layout option.

= 🛞		i≣ Add View		×
	Users Workspaces Users Workspaces Users Workspaces Users burkspaces Users burkspaces Users burkspace = 0 ± 0	Display Layout Four Tiles - PIP Right	View Configuration View Name View Description Display 1 Kassigned Template Sater digity ignor.	× workspace + Ver + A P B << < 1 of 1 > >
				77

FIGURE B-5: AN EXTENDED DISPLAY LAYOUT OPTION



Figure B-6 below shows another extended Display Layout option.

≡	LLA C ^a	≣ Add View	×	ب ي⊛ ا
626	Users Workspaces	Display Layout	View Configuration	
-	## Workspaces	Four Tiles - PIP Left	> View Name	Workspace +
-	Search workspaces.	1	> View Description	
	▲ MyWorkspace 🛄 0 🌲 0	3	> Display	View + A A B
		Eight Tiles on one display	Assigned Template	
			Select display layout.	< < 1 of 1 > >
Acti Wo		5 6 7 8		
-			✓ Close Save	
0				
0,				
80				
.ç¢.				
A				

FIGURE B-6: ANOTHER EXTENDED DISPLAY LAYOUT OPTION







Figure B-7 below shows an additional extended Display Layout option. It also shows an example of a "Four Tiles on one display" and how to link a target to a specific tile.

		≔ Add View	×	
Dashboard	Users Workspaces	Display Layout	View Configuration	
Evices 🔨	Workspaces	One Tile on one display	➤ View Name	Workspace +
Switches 🔨	Search workspaces.		View Description	
Peripherals	▲ MyWorkspace 💷 0 ▲ 0	1	> Display	· A / B
🕅 Zones			1 ~	
🛜 Connections 🗠		> Four Tiles on one display	Assigned Template - Four Tiles on one display Convector. X	
警 Users 🗸 🗸		1 2	Z Connection. TX3 - EMD2002PE-DP-T	1 of 1 > >
Manage Active		3 4	3 Connection. Tx1 - EMD2000PE-T-P ¥ 4 Connection. ¥	
Workspaces				
💼 DKM 🔨		Four Tiles - PIP Right	 Close Save 	
System				
a _t License 🔨				
🖧 Cluster				
.°ç¢, Discovery				
🛕 Alerts 🔷				

FIGURE B-7: EXAMPLE OF ANOTHER EXTENDED DISPLAY LAYOUT OPTION WITH ADDITIONAL SELECTIONS



- 6. Enter a Name for the View in the appropriate field.
- 7. Enter a Description for the View in the appropriate field.
- 8. Select which display should be used.

An example using "Four Tiles on One Display" with completed fields appears in Figure B-8 below:

		i罾 Add View	×	ب د⊚ ا
🚯 Dashboard	Users Workspaces	Display Layout	View Configuration	
🚐 Devices 🛛 🔨	Workspaces	One Tile on one display	> View Name	Workspace +
Switches 🔨	Search workspaces.		Workspace4 View Description	
Peripherals	▲ MyWorkspace 💷 0 🌲 0	1	Information about this workspace	View + 🔺 🗡 🗉
JU Zones			1 v	
奈 Connections 🛛 🔨		> Four Tiles on one display	Assigned Template - Four Tiles on one display	
替 Users 🗸 🗸		1 2 TX3 - EMD2002PE-DP-T TX1 - EMD2000PE-T-P	1 TX3 - EMD2002PE-OP-T X 2 TX1 - EMD2000PE-T-P X	« < 1 of 1 > »
Manage		3 4	3 TX3-EMD2002PE-DP-T X 4 TX1-EMD2002PE-TP X	
Active Workspaces		TX3 - EMD2002/PE-DP-T TX1 - EMD2000/PE-T-P		
👝 DKM 🛛 🔨		Cour Tillee , DID Diahr	Close Save	
System				
Q _≿ License ∧				
🖧 Cluster				
့တို့ Discovery				
🛦 Alerts 🔨				

FIGURE B-8: EXAMPLE WITH DISPLAY SELECTED AND COMPLETED FIELDS

9. Click on the "Save" button.





If the workspace and view were configured properly without any errors, the system will display a success notification in the top right corner of the screen, as shown in Figure B-9 below:

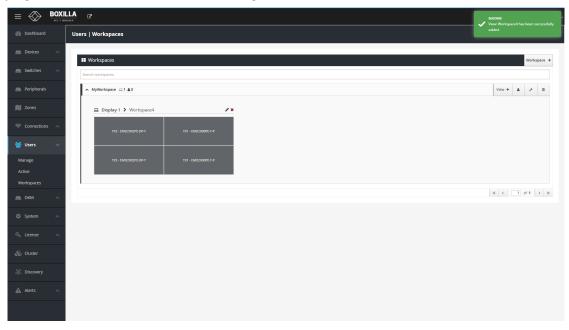


FIGURE B-9: SUCCESS MESSAGE

NOTE: If there was an error, such as a missing view name, it will be displayed in the top right corner of the screen.



B.1.2 ASSIGNING A USER TO A WORKSPACE

After the workspace and views are configured, a user must be assigned so that the user can access the workspace and views when logging into the Emerald® DESKVUE unit.

To assign users to a workspace:

- 1. Click on the user icon.
- 2. Assign which users have access to the workspace using the "Manage Workspace Users" screen, as shown in Figure B-10 below:

= 🛞 BOXII		A Manage Workspace Users		ا ∿ 10 ا
🚯 Dashboard	Users Workspaces	Users	×	
📾 Devices 🛛 🔨	# Workspaces	Unassigned	Assigned search	Workspace +
📖 Switches 🛛 🔨	Search workspaces.		admin	
Peripherals	∧ MyWorkspace Ω1 ▲0			View + 🔺 🗡 🗉
Zones	□ Display 1 > Workspace4			
< Connections 🔨	TX3 - EMID2002PE-DP-T			
誉 Users 🗸 🗸			Close Save	
Manage	TX3 - EMD2002PE-DP-T	TX1 - EMD2000PE-T-P		
Active Workspaces				
📾 DKM 🔷				« < 1 of 1 > »
🕆 System 🔨				
🔍 License 🛛 🔨				
🗞 Cluster				
.¦q⁰, Discovery				
🛕 Alerts 🛛 🔨				

FIGURE B-10: MANAGE WORKSPACE USERS SCREEN

3. Click on the "Save" button to save the assignments.







B.1.3 EDITING A WORKSPACE

Once the workspace is created, the Boxilla[®] administrator can edit it at any time by using the edit (wrench) icon. The "Edit Workspace" screen is shown in Figure B-11 below:

	I≣ Edit workspace	×	Success Successfuly updated workspace users.
Users Workspaces	Workspace Properties		
# Workspaces	Workspace Name MyWorkspace		Workspace +
Search workspaces.	Workspace Description Layout for 4 screens		
∧ MyWorkspace			View + 🔺 🗡 🗉
Display 1 > Workspace4	/ ×	Close Save	
TX3 - EMD2002PE-DP-T TX1 - EM	1025007PE-T-P		
TX3 - EM02002PE-DP-T TX1 - EM	102000PE-T-P		
			« < 1 of 1 > »

FIGURE B-11: EDIT WORKSPACE SCREEN



B.1.4 DELETING A WORKSPACE

To delete a workspace, click on the delete workspace icon (trash can), as shown in Figure B-12 below:

	LLA C	10.8.60.20 says Are you sure?		► ③ ~ 1 .
🚯 Dashboard	Users Workspaces	OK Cancel		
E Devices 🔨	Workspaces		-	Workspace +
Switches 🔨	Search workspaces.			Delete workspace.
Peripherals	► MyWorkspace □1 ▲ 1		View + 🔺	
🕅 Zones	Display 1 > Workspace4	ð ×		
< Connections	TX3 - EMD2002PE-0P-T TX1 - EMD2000PE-T-P			
警 Users 🗸 🗸				
Manage Active	TX3 - EMD2002PE-DP-T TX1 - EMD2000PE-T-P			
Workspaces				
🚔 DKM 🔷			« < <u>1</u>	of 1 > >>
🔅 System 🔨				
a, License 🔨				
🚓 Cluster				
ំថ្លុំ Discovery				
Alerts ^				

FIGURE B-12: WORKSPACE SHOWING DELETE WORKSPACE







B.1.5 ADDITIONAL CONFIGURATION OPTIONS

Within the Boxilla[®] web interface in the "Users" section, additional parameters can be configured for each user. "Manage Workspace Favorites" and "Manage Workspaces" are available through the ellipsis icon next to a user name, and these options can be used to adjust user configurations. Configuration options can be accessed through the resulting drop-down menu shown in Figure B-13 below:

										► ③- 1
🚯 Dashboard	Users Manage						+ User	+ User Template	Edit Template	– User Template
Evices 🔨										
E Switches 🔨					All Users					
Peripherals					All Users					
🕅 Zones	All Users		1		Showing 1 to 1 of 1 Items					
Connections	Username ^	Based On Template	Privilege Administrator	Auto Connect No	Auto Connect Name	Remote Acc No		Authorized By C	Oomain OU State	
嶜 Users 🛛 🔿									Edit Manage Conn	rection Favorites
🚍 DKM 🛛 🔿									Manage Conn Manage Grou Manage Work	ps
🏟 System 🔨									Delete	spaces
a, License 🔨										
🚓 Cluster										
.o. Discovery										
🛕 Alerts 🔨										

FIGURE B-13: DROP-DOWN MENU LIST





To change Workspace favorites, click in the empty text box for a hotkey that needs to be configured and link the workspace to the corresponding hotkey using the screen shown in Figure B-14 below:

		User Workspace Favo	orites	×				
Dashboard	Users Manage	Hotkey + 1	unallocated					– User Template
Devices		Hotkey + 2	unallocated					
		Hotkey + 3	unallocated					
Switches 🔨		Hotkey + 4	unallocated					
Peripherals		Hotkey + 5	unallocated					
		Hotkey + 6	unallocated					
III zones	All Users Username Based On Template	Hotkey + 7	unallocated		Access	Authorized By	Domain OU Statu	5
🛜 Connections 🛛 🔨	admin -	Hotkey + 8	unallocated			Local		
		Hotkey + 9	unallocated				« < <u>1</u> o	r 1 > »
管 Users 🛛 🔨		Hotkey + 10	unallocated					
👝 DKM 🔷		Hotkey + 11	unallocated					
		Hotkey + 12	unallocated					
🗘 System 🔨				_				
Q _€ License ∧			Close	Save				
🗞 Cluster								
.o. Discovery								
🛕 Alerts 🔨 🔨								

FIGURE B-14: HOTKEY CONFIGURATION SCREEN

Click on the "Save" button when finished.

An example of assigning the first hotkey to a workspace appears in Figure B-15 below:

		User Workspace Fav	prites	×				
Dashboard	Users Manage	Hotkey + 1	MyWorkspace					
👝 Devices 🛛 🔿		Hotkey + 2	unallocated					
		Hotkey + 3	unallocated					
switches 🔨		Hotkey + 4	unallocated					
Peripherals		Hatkey + 5	unallocated					
		Hotkey + 6	unallocated					
Di Zones	All Users Username Based On Template	Hotkey + 7	unallocated		te Access	Authorized By	Domain OU Statu	
🛜 Connections 🔿	admin -	Hotkey + 8	unallocated			Local	Jomain OU statu	
+ connections ×		Hotkey + 9	unallocated				« < 1 of	1 > >
誉 Users 🛛 🔨		Hotkey + 10	unallocated					
DKM ^		Hotkey + 11	unallocated					
DKM A		Hatkey + 12	unallocated					
🔅 System 🔷								
Q _€ License ∧				Close Save				
🖧 Cluster								
့်ဝုိ့ Discovery								
🛦 Alerts 🔨								
	EIGURE	B-15 EX	AMPLE OF HOTKEY	ASSIC				

1.877.877.2269





B.1.6. CONFIGURATING USER ACCESS THROUGH BOXILLA

User access to a Workspace can also be configured under the Boxilla[®] Users Management page by selecting "Manage Workspaces" from the drop-down list. The Boxilla "Manage Workspaces" screen appears in Figure B-16 below:

=	LLA C ^a	Manage Workspaces	×				1 ∘® ⊀
🚯 Dashbo	Users Manage	Non-selected Empty list	Selected Showing all 1	+ User	+ User Template	Edit Template	– User Template
Devices		Filter	Filter				
Switche		^	MyWorkspace A				
Periphe		-	Ŧ		_	_	
J Zones	All Users Username Based On Template		Cancel Save	te Access	Authorized By	Domain OU Stat	us
🛜 Connect	admin -	Contraction IN	1. 1.0		Local	« < 1 «	© f1 > ≫
誉 Users							
DKM							
🔅 System							
Q _€ License							
🖧 Cluster							
៉ុុ [°] Discove							
Alerts							

FIGURE B-16: BOXILLA MANAGE WORKSPACES SCREEN



C.1 FCC STATEMENT

This equipment has been tested and found to comply with the regulations for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this Quick Installation Guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case, the user will be required to correct the interference at his/her own expense.

C.2 CE STATEMENT

This is a Class B product in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

C.3 TSCA STATEMENT

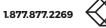
This product is in compliance with the TSCA Toxic Substances Control Act.

C.4 ROHS

This product is RoHS compliant.

C.5 REACH

This product is in compliance with the Reach / SCIP Regulations.





C.6 NOM STATEMENT

- 1. Todas las instrucciones de seguridad y operación deberán ser leídas antes de que el aparato eléctrico sea operado.
- 2. Las instrucciones de seguridad y operación deberán ser guardadas para referencia futura.
- 3. Todas las advertencias en el aparato eléctrico y en sus instrucciones de operación deben ser respetadas.
- 4. Todas las instrucciones de operación y uso deben ser seguidas.
- 5. El aparato eléctrico no deberá ser usado cerca del agua-por ejemplo, cerca de la tina de baño, lavabo, sótano mojado o cerca de una alberca, etc.
- 6. El aparato eléctrico debe ser usado únicamente con carritos o pedestales que sean recomendados por el fabricante.
- 7. El aparato eléctrico debe ser montado a la pared o al techo sólo como sea recomendado por el fabricante.
- 8. Servicio–El usuario no debe intentar dar servicio al equipo eléctrico más allá a lo descrito en las instrucciones de operación. Todo otro servicio deberá ser referido a personal de servicio calificado.
- 9. El aparato eléctrico debe ser situado de tal manera que su posición no interfiera su uso. La colocación del aparato eléctrico sobre una cama, sofá, alfombra o superficie similar puede bloquea la ventilación, no se debe colocar en libreros o gabinetes que impidan el flujo de aire por los orificios de ventilación.
- 10. El equipo eléctrico deber ser situado fuera del alcance de fuentes de calor como radiadores, registros de calor, estufas u otros aparatos (incluyendo amplificadores) que producen calor.
- 11. El aparato eléctrico deberá ser connectado a una fuente de poder sólo del tipo descrito en el instructivo de operación, o como se indique en el aparato.
- 12. Precaución debe ser tomada de tal manera que la tierra fisica y la polarización del equipo no sea eliminada.
- 13. Los cables de la fuente de poder deben ser guiados de tal manera que no sean pisados ni pellizcados por objetos colocados sobre o contra ellos, poniendo particular atención a los contactos y receptáculos donde salen del aparato.
- 14. El equipo eléctrico debe ser limpiado únicamente de acuerdo a las recomendaciones del fabricante.
- 15. En caso de existir, una antena externa deberá ser localizada lejos de las lineas de energia.
- 16. El cable de corriente deberá ser desconectado del cuando el equipo no sea usado por un largo periodo de tiempo.
- 17. Cuidado debe ser tomado de tal manera que objectos liquidos no sean derramados sobre la cubierta u orificios de ventilación.
- 18. Servicio por personal calificado deberá ser provisto cuando:

A: El cable de poder o el contacto ha sido dañado; u

- B: Objectos han caído o líquido ha sido derramado dentro del aparato; o
- C: El aparato ha sido expuesto a la lluvia; o
- D: El aparato parece no operar normalmente o muestra un cambio en su desempeño; o
- E: El aparato ha sido tirado o su cubierta ha sido dañada.



D.1 DISCLAIMERS

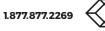
Black Box Corporation shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Corporation may revise this document at any time without notice.

Images contained in this document are included solely to illustrate how to use the product. Since the product can be customized and/or undergo periodic updates, images in this manual will be representative of, although not necessary identical to, the ones displayed on your screen.

D.2 TRADEMARKS USED IN THIS MANUAL

Black Box and the Black Box logo type and mark are registered trademarks of BB Technologies, Inc.

Any other trademarks mentioned in this manual are acknowledged to be the property of the trademark owners.



NEED HELP? LEAVE THE TECH TO US



1.877.877.2269



© COPYRIGHT 2023. BLACK BOX CORPORATION. ALL RIGHTS RESERVED EN_KVM_MANUAL_DESKVUE_REV2_2309.PDF