



Operations Manual

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Chapter 1.0 Software Setup and Installation Instructions

Clikcontrol Installation

PESA Clikcontrol is a program that makes PESA routing switches available for control via a TCP/IP network. The program runs on a standard PC running either Microsoft Windows2000 Professional or Microsoft Windows XP professional.

The Clikcontrol utilizes a web-based interface to allow remote clients to access the controller. Most commonly, the Clikcontrol is installed in conjunction with Microsoft's IIS HTTP server. (IIS comes standard with Windows 2000 Professional and Windows XP Professional) However, it is not a requirement that IIS be installed as Clikcontrol can run with other HTTP servers such as Apache.

Before installing the Clikcontrol server, the HTTP server should already be installed and operational. This assists in setting up the appropriate directory structure from which the web pages are served.

Clikcontrol CD Contents

The Clikcontrol Installation CD contains all the program modules for installing and configuring the Clikcontrol server program. Among the files on the CD are:

Clikcontrol Server Install.EXE

The installation program that installs the actual server software onto the PC. It installs the program as a Windows Service and defaults its operation to interfacing to the 3500Pro controller. (As a service, the program runs whether a user is logged into the PC or not. When a user logs in, they will not see an icon for the program. Its running status can be verified via the Windows service manager or the Clikcontrol PC Setup Utility.)

The program installs the web pages that are served out to client machines and in turn are served out the JAVA applet that is run on the client machine. It is the JAVA applet that allows the client to take switches and read status from the router.

In addition to the server and the applet, the software installs the PC setup utility and the optional remote service reset utility.

Clikcontrol Configuration Install.EXE

The installation program that installs the remote configuration program.

This program can set the configuration of the server when it is interfacing to a non-3500Pro controller. This program can be installed and run from the same machine on which the server resides or may be installed on a machine that can access the Clikcontrol server via the network.

JAVA Plug-ins

In order to run the JAVA applet, a client machine's web browser must have the JAVA2 V1.4.2 plug-in installed. If the client machine has access to the Sun Microsystems web site, this installation occurs automatically. If not, then the plug-in is available on this CD for machines running Windows, Linux, or Solaris.

To install the plug in, find the file that matches the client machine's operating system and execute it.

Installing Microsoft IIS (5.0) or higher Internet Information Server

Installing IIS version 5.0 which comes with Windows 2000 professional or XP Professional is straightforward and relatively easy. The following setup process must be completed prior to installing Clikcontrol. By default, IIS must be manually installed; however the PC you are using may already have it installed. It is advisable to check to see if it has already been installed before proceeding.

To test if you have MS IIS Information server up and running

	Main		
Nin I	Publishing		-
mail	Web publishing is on. Your home page is	available at:	
	http://gen		
1	Stan Dick Stop to make the	items on unus site unusual shie	
No.	Car sup of all the	nana oriyota anti tanavanaoliti.	
Tour	You home directory clinepublywww	toot	
-	(To change published directories, click.")	Advanced" in the list on the left.	
E.	hdurdanian.		
duanced	manutag	Manufacture	
	Active connections: D	Permete as Day	-
	Started at 4:51 PM on	Frequence per tray	-
	1/1/2003		U
	Vailare: 0		
	Requests: 0		
	Requests: 0 Bytes served: 0		

Figure 1 - Main Screen Personal Web Manager

Navigate your mouse to click on Start>Control Panel>Administrative tools. Then double click on Personal web manager if you see the window above you has the program installed and running.

To install Microsoft IIS, select Add Remove Programs>Add Windows components, select IIS from the check box - OK - you will probably need the Windows CD unless the files have been installed on your computer. See screen shots below.

Note if you are installing IIS, you should be logged on as Administrator

Installing IIS

Installing IIS - Go to control panel select Add\Remove Programs and you will see the box

💕 Control Pa	nel .									
Die Edit i	yen Fevorke	e Isole 🗄	eb .							27
Gross -	🕤 · 🍠	D Search	E Paldes	12 20	× 9	- 11				
Agitreco 🔂 a	Contend Planel	\frown							- 2	6
Accessbillty Options	Add Hardware	Adt or Remov	to another Tools	Z Adabe Gamma	Autodesk Hot Style Manager	Autocheck. Pictur	Pur Avantico Convect	Date and Time	Display	
Polder Options	Ponts	Gene Controllers	Startet Cations	Domeija Active Dak	Presentation Nabile Co	Seve Phopen	Ana Piug-In 1.3.3	Jana Rupin 1.3.1_32	Ana Plupin 1.4.0_30	
Jog Dial Navigator	Sayboard (2	Моции	Network Connections	Phone and Moden	Canal Server Options	Printers and Faces	QuidTime	Regional and Language	
Scanners and Carteries Margana Across	Stredded Teles	Sony Noteb	Sounds and Audio Devices	Speech	Synantec Uvetapdate	System	Tashbar and Start Menu	JE Design Selector	See Accounte	

Figure 2 - Control Panel Selection for Add/Remove Program

From the control panel the following box will open. Click on the left menu button Add/Remove Programs.

🐻 Add or Re	move Programs		_ [1]
-	Curverity installed programs :	Sort by: Marse	*
Charge or Programs	f [®] Active Disk		•
-	To change this program or remove it from your computer, click Change/Remove.	Chang	evone#je
Programe	- Adobe Acrobat 4.0	Sze	63.16MB
	Adabe Acrabat 5.0	528	15.56MB
	Adobe Elustrator 6.0	Sze	62.63MB
Add/Remove	G Adube Photoshop Elements 2.0	3.0	94.3498
Components	Adobe Preniere 6 LE	Ste	46.07MB
	E Adobe Reader 6.0	5.00	43.4698
	Agle Product Collaboration	Ste	76.33MB
Set Program Access and	AnswerWarks Fundame	Sze	0.01MB
Defaulto	ATI Display Driver		
	1 A480CAD LT 2004	Sze	153.00MB
	Autodesk Express Viewer	See	5.95MB
	Avanté Miscelaneous Application Suite	Sze	20.73MB
	Nusiness Plan Pro 2003	528	56.4098
	🔦 Business Plan Pro SmartUE Update		
	COBa Licence Management System		
	Ckk to DID 1.0	S28	61.9948

Figure 3 - Selection Screen Add or Remove Programs

Place a check in the Internet Information Services check box by selecting it with your mouse. Make sure that all other boxes are un-checked.

Select the Details button to display the Internet Information Services IIS dialog box

Windows Components Wizard	x
Windows Components You can add or remove components of Windows XP.	t
To add or remove a component, click the checkbox. A shaded by part of the component will be installed. To see what's included in Details.	ox means that only a component, click
	0.0 MD
	0.0 MB
M 🕘 Internet Explorer	0.0 MB
🗹 🎀 Internet Information Services (IIS)	15.9 MB
🔲 📇 Management and Monitoring Tools	1.9 MB
🗆 🚾 Message Queuing	0.0 MB 🗾
Description: Includes Web and FTP support, along with support f transactions, Active Server Pages, and database co	or FrontPage, nnections.
Total disk space required: 71.6 MB	Details
Space available on disk: 4416.6 MB	_
< <u>B</u> ack	lext > Cancel

Figure 4. -Windows Components Wizard Screen

Internet Information Services (IIS)	×					
To add or remove a component, click the check box. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.						
Sub <u>c</u> omponents of Internet Information Services (IIS):						
🗹 🔶 Common Files	1.0 MB 🔼					
🗹 🧕 Documentation	3.5 MB					
🗆 💭 💭 File Transfer Protocol (FTP) Service	0.1 MB					
🗹 🅎 FrontPage 2000 Server Extensions	4.3 MB					
🗹 📸 Internet Information Services Snap-In	1.3 MB					
SMTP Service 3.6 M						
🗹 🙈 World Wide Web Service	2.3 MB 💌					
Description: Installs Required IIS program files						
Total disk space required: 67.6 MB	Details					
Space available on disk: 4401.2 MB						
OK	Cancel					

Figure 5 - Internet Information Services (IIS) Screen

This Dialog box above allows you select or eliminate certain features. Click the box beside the following services to support Clikcontrol.

- Common Files
- Documentation
- World Wide Web Service

Select OK>Next and the software will be installed automatically on your computer. When you are finished, restart the computer. Then go back Start> Settings>control panel>Administrative Tools>Personal Web Manager and you should see the screen shot below.

Properties View	Help		
Nain Nain Tour	Main Publishing Web publishing is on. You home page is http://com Stop Click.Step to make the Your home directory <u>chinetpublikeeee</u> (To change published directories, cick.?)	available at: Rems on your site unavailable. col Idvanced' in the list on the left.]	*
Advanced	Monitoling Active connections: 0 Stated at 4:51 PM on 1/1/2013 Voltars: 0 Requests: 0 Bytes served: 0	Viegr Statistics: Requests per Day	
	Most concurrent connections. 0	Daye	

Figure 6 -Personal Web Manager Screen—Click on Advanced Options

Select the Advanced menu button to see the following screen shot.



Figure 7 - Personal Web Manager Advanced Option Screen

In the Default Documents window type after iistart.asp, index.html

To Test if the server is working you can go into your C: drive and look for Inetpub folder, go inside this folder and you will see the following folders.

🚭 Inetpub							_	
File Edit View Favor	rites Topis Help							1
$\Leftarrow Back \ \star \ \Rightarrow \ \star \ $	🕱 Search 🖓 Folders 🔮) Pir Pir	X 🔊 🔤					
Address 🗀 Inetpub					-	🧬 Go 🛛 Norf	tan AntNirus 🚦	- 6
Ma J	1							
Real Property lies	🔤 Admin Scripts	ftpropt	issamples	mailroot	Scripts	webpub	www.roat	
Inetpub	-							
7 object(s)					0 bytes	🛄 MN C	Computer	
h colociat					10 07100	1000		111

Figure 8 - Inetpub Folders Screen

The wwwroot folder is the folder where you place you HTML pages for testing. To determine if the web server is working properly you can create a simple HTML web page and save it as index.html into the wwwroot folder. By using a word processor such as Wordpad, type the following lines:

```
<html>
<head>
<title>Test Page</title>
</head>
<body>
<center>
<h1>Your web server is working!</h1>
</center>
</body>
</html>
```

Save this text as "index.html" into the wwwroot directory. Then open up your web browser and in the URL type: http://localhost/index.html or c:\Inetpub\wwwroot\index.html and you should see a web page with Text displayed.



Figure 9 - Test Page-Microsoft Internet Explorer

Clikcontrol Server Installation

Before installing the Clikcontrol server, the HTTP server should already be installed and operational. This assists in setting up the appropriate directory structure from which the web pages are served.

To install the Server program, you must execute the **Clikcontrol Server Install.EXE** program on the installation CD. The installation program prompts as follows:



Figure 10 -Clikcontrol Server Welcome Screen

The installation program welcomes you into the installation program and indicates that it is advisable to shut down any unnecessary programs that may currently be running.

🔏 ClikControl Server 🛛 🔀
CLIKCONTROL SYSTEM LICENSE AGREEMENT
BY PRESSING THE "NEXT" BUTTON, YOU ARE CONSENTING TO BE BOUND BY THIS LICENSE AGREEMENT. IF YOU DO NOT AGREE TO ALL OF THE TERMS OF THIS AGREEMENT, CLICK THE "CANCEL" BUTTON AND THE INSTALLATION PROCESS WILL NOT CONTINUE OR RETURN THE SYSTEM CONTROLLER TO THE PLACE OF PURCHASE.
PESA CLIKCONTROL SYSTEM END USER COMMERCIAL LICENSE AGREEMENT GRANT. Subject to purchase of PESA clikControl software, PESA Switching Systems, Inc. (PESA) grants to you a non-exclusive license to use the Software and accompanying documentation ("Documentation") in the manner described below under "Scope of Grant." LIMITED WARRANTY.
PESA warrants that for a period of ninety (90) days from the date of acquisition, the Software, 💌
Cancel

Figure 11 -Clikcontrol System License Agreement Screen

You are next presented with the license agreement for the software. After carefully reading the agreement, click on the "NEXT" button to continue the installation.

掲 ClikControl Server	
Destination Location	
Setup will install ClikControl Server in the following folder.	
To install into a different folder, click Browse, and select another folder.	
You can choose not to install ClikControl Server by clicking Cancel to exit S	ietup.
- Destination Folder	
C:\Program Files\Clik	Browse
Wise Installation Wizard®	Cancel

Figure 12 -Clikcontrol Program File Destination Folder Screen

Next, you are prompted to provide a directory into which the server is installed. In addition to the server executable, the installation software installs the Clikcontrol PC setup utility, a configuration file that contains settings that are not contained within the registry, a copy of the VB script used to virtual directories in the IIS HTTP server, and a copy of the ASP page that can be used to provide a means of remote reset of the Clikcontrol service into this directory.

🔏 ClikControl Server	×
HTML Destination Location	
Setup will install ClikControl Server HTML Files in the following folder.	
To install into a different folder, click Browse, and select another folder.	
You can choose not to install ClikControl Server by clicking Cancel to exit Setup.	
Destination Folder	
C:\Inetpub\www.root Browse	
Wise Installation Wizard® < <u>B</u> ack <u>Next</u> C	Cancel

Figure 13 -Clikcontrol HTML Destination Folder

After prompting for the executable directory, you are prompted to supply the directory in which the HTTP server serves out web pages. The installation program creates a **Clikcontrol** directory off this directory into which all the Clikcontrol HTML pages are stored.



Figure 14 -Clikcontrol ASP Remote Reset Installation Screen

In addition to the standard web pages, the Clikcontrol server can install an ASP page that allows the user to remotely reset the Clikcontrol service on the host machine. The ASP page is installed in the **clikAdmin** directory off the HTTP directory specified previously.

NOTE: The installation program only installs this ASP page if the host machine is configured with the **Microsoft IIS HTTP server.** The IIS server must already be installed and running on the host machine. (IIS comes standard as part of Windows 2000 Professional or Windows XP professional.)

The ASP pages must be manually installed if you are using a HTTP server such as Apache. See your HTTP server documentation on instructions for installing ASP pages.

Remote Configuration Installation							
Do you wish to install the remote configuration tool?							
Yes No Cancel							

Figure 15 -Clikcontrol Remote Configuration Installation Confirm Screen

After installing the Clikcontrol server, the Clikcontrol PC Setup utility and the optional ASP page, Clikcontrol asks if you want to install the remote configuration utility. The remote configuration utility allows you to configure the Clikcontrol server for use with controllers other than the 3500Pro. (The remote configuration utility is also required if you are going to increase the number of simultaneous users beyond the default of 10.) The installation of the remote configuration utility is described below.

The installation of the Clikcontrol server is now complete.

The server must now be configured as to what PC resources it will use in its operation. The Clikcontrol PC Setup Utility sets up these parameters.

Clikcontrol Remote Configuration Installation

The remote configuration tool allows you to configure the Clikcontrol server when it is used to interface to controllers such as the PESA Ocelot or Bobcat. The software can be run on the Clikcontrol host machine or may be installed on a remote Windows machine that has network access to the Clikcontrol server.

To install the Configuration program, you must execute the **Clikcontrol Configuration Install.EXE** program on the installation CD. The installation program prompts as follows:

🖧 clikControl Configuration Utility 🛛 🔀						
	Welcome to clikControl Configuration Utility Setup program. This program will install clikControl Configuration Utility on your computer.					
	It is strongly recommended that you exit all Windows programs before running this Setup Program.					
	Click Cancel to quit Setup and close any programs you have running. Click Next to continue with the Setup program.					
	WARNING: This program is protected by copyright law and international treaties.					
	Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.					
	<u>[</u> Cancel					

Figure 16 -Clikcontrol Configuration Utility Opening Screen

The installation program welcomes you and indicates that it is advisable to shut down any unnecessary programs.



Figure 17 -Clikcontrol Configuration Utility License Agreement Screen

You are next presented with the license agreement for the software. After carefully reading the license agreement, click on the "NEXT" button to continue the installation.

🚜 clikControl Configuration Utility	
Destination Location	$\langle \! A \!$
Setup will install clikControl Configuration Utility in the following folder.	
To install into a different folder, click Browse, and select another folder.	
You can choose not to install clikControl Configuration Utility by clicking Cancel to	en tSetup.
Destination Folder C:\Phogram Files\Clik.Cfg Bpo	HDE
Wise Installation Wizard® < <u>B</u> ack <u>N</u> eat >	Cancel

Figure 18 -Clikcontrol Configuration Folder Destination Screen

You are next prompted to provide a directory into which the configuration program is installed. The installation continues by installing the files required for the configuration program's operation. Once installed, the program is ready to operate and does not require any pre-configuration.

Chapter 2 – Product Introduction and General Information

General

This section provides general information about Clikcontrol and the components necessary to allow proper operation of the PESA Clikcontrol software programs.

Product Description

Clikcontrol is a TCP/IP-based controller that allows a routing switcher system to be controlled over a LAN or WAN (including the Internet). The Clikcontrol server software resides on a PC running Windows 2000 or XP and utilizes the Microsoft IIS HTTP Server software that comes standard as part of the Windows OS operating system.

Clikcontrol can be used with all PESA equipment employing the CPU Link interface, including:

- 3500PRO or 3500PRO-LE
- Bobcat Routing Switcher System
- LNS-8 Routing Switcher System
- Ocelot Routing Switcher System

Specifications

General

Minimum Hardware Requirements

OS	Windows 2000, XP
Hard drive Space	min 50Mb
Memory	min 128Mb
Ports	
Network	TCP/IP Ethernet Card
Disk	

Chapter 3 – Receipt of Clikcontrol and Hardware Requirements

Shipping Damage Inspection

Immediately upon receipt, all shipping containers should be inspected for damage caused in transit. If any damage is noted, save all packing material and contact both PESA and the carrier as soon as possible.

Unpacking

Carefully unpack the equipment and compare the parts received against the packing list and Table 1. If any parts appear to be missing, please contact PESA immediately.

Table 1	. Equipment	: List
---------	-------------	--------

Part No. Description	Quantity Required
CD, Clikcontrol Software	1 ea
Manual, Clikcontrol	1 ea

Installation Location

Clikcontrol must be installed on a PC that is connected to the house network that provides external connectivity through TCP/IP and supports HTTP communications. It is beyond the scope of this document to completely define the full implementation of network connections. Setup and configuration of a network should be completed by a qualified network systems administrator who understands web server setup as well as security issues.

Interface Connections

For reasons of personal safety, and to prevent damage to the equipment or cables, the following guidelines should be followed when connecting cables to the server and PESA control hardware.

- 1. Install the equipment in the area it will reside before connecting cables.
- 2. All cables should be carefully strain relieved to prevent connector separation.
- 3. The liberal use of nylon cable ties to secure cables to the rack is encouraged. This will minimize the amount of force transmitted to the equipment and help route cables away from hazardous areas.
- 4. Route cables away from walk areas to avoid creating a safety hazard.

Network Connector (LAN)

On the back of your server box, locate the connector for Ethernet connections. In most cases, this will be an RJ-45 connector that provides an IEEE 802.3 Ethernet network interface. LAN connections to the network should be installed with a customer-supplied, 100 Ω Unshielded Twisted Pair (UTP) patch cable conforming to ANSI/TIA/EIA-568A (Commercial Building Telecommunications Cabling Standard) Category 3 or higher.

<u>NOTE</u>

The Network System Administrator should be consulted prior to connecting any equipment to the network.

For a typical star-topology Ethernet network, LAN will generally be connected to a multiport repeater (sometimes referred to as a hub or concentrator).

Additional information about computer networks is available on the following web pages:

- Novell's Networking Primer (<u>http://www.novell.com/info/primer/primer.html</u>)
- Novell's Glossary of Networking Terms (http://www.novell.com/info/glossary/glossary.html)

CPU Link Connector



The PC Server you use must have at least one RS-232 connector.

RS-232 Interface: The serial port is connected to the CPU Link connector on the PESA controller with a null modem cable (Part No. 81-9028-0393-0). If necessary, a cable up to 50 feet in length may be fabricated in the field as shown in Figure 20 -RS-232 CPU Link (Null Modem) Cable.



Figure 19 -RS-232 CPU Link Connector (COM 1)



Figure 20 -RS-232 CPU Link (Null Modem) Cable

Chapter 4 – Operations

Clikcontrol Software Installation

The Clikcontrol system has four main software components:

- Clikcontrol Server to be installed customer provided PC.
- The Clikcontrol PC Setup Utility to be installed on the same PC as the Clikcontrol Server,
- Clikcontrol Remote Configuration utility located on one or more Administrator PCs.
- The Clikcontrol Java applet is served from the Clikcontrol controller, and executed by the web browser on one or more Remote Client PCs.

NOTE

The password for the remote client **Administrator** is set to **pesa** prior to shipment. For security purposes, this password should be changed as soon as possible.

<u>NOTE</u>

The PESA Internet Remote Control (PIRC) communications protocol is used between the Clikcontrol PC Server, and the Remote Client executing the Clikcontrol Java applet. This protocol is described in document number 81-9062-0448-0.

The communications protocol used between the Clikcontrol PC Server and the system controller is PESA CPU Link No. 1 with Extensions (P1E). This protocol is described in document number 81-9062-0408-0.

Clikcontrol Remote Configuration Installation

One or more computers attached to the network may be designated as Administrator PCs. (This may be the same PC used for the Clikcontrol Server.) Clikcontrol Remote Configuration is installed on these computers from the included CD as follows:

• Insert the CD in a CD-ROM drive on the Administrator PC, and follow the instructions displayed.

NOTE All commands are case sensitive and must be entered exactly as shown.

Clikcontrol Server Setup

The Clikcontrol PC Setup Utility allows the user to set the operating parameters of the Clikcontrol server, monitor its operation as a service, and to inspect the log file information.

Main Setup Window

🗳 clikControl PC Setup Utility	
<u>File</u> <u>H</u> elp	
Registry Parameters Serial Port: <u>COM1</u> Baud Rate: <u>38400</u>	
HTTP Page Location: C:\Inetpub\wwwroot\clikControl\	Browse
Security File Location: C:\PROGRA~1\Clik\	Browse
Log File Location: C:\PROGRA~1\Clik\	Browse
Restart log files on start up Commit to Registry	
ClikControl Service: Service Is Stopped	Start

Figure 21 -Clikcontrol PC Setup Utility Window

The main window provides a majority of the information concerning the operation of the Clikcontrol server. The main window consists of two different frames of information.

Registry Parameters

The Registry Parameters indicates to the Clikcontrol server what COM port it uses to communicate to the PESA controller as well as where it expects to find different files.

After the parameters have been committed to the Registry, the Clikcontrol server must be restarted for the parameters to take effect.

Serial Port

This is the COM port that is used to communicate to the PESA routing switch controller.

Baud Rate

This is the baud rate used on the serial link to the controller. Most 3500Pro systems default to 38400 baud. Other controllers like the Ocelot default to 9600 baud.

3500Pro Controller Interface

This indicates to the Clikcontrol server whether or not it is interfacing to a 3500 Pro controller. This indicates what protocol commands the Clikcontrol server will use and whether it will pull the configuration from the controller or expect it to be set via the Clikcontrol Remote Configuration Utility.

HTTP Page Location

This is the location of the directory that is used to store the Clikcontrol HTML pages as well as serve out the JAVA applet to the client PC's. The server stores many of the configuration files that are read by the applet at this location. This should be set to a directory within HTTP server public access.

Security File Location

This is the location of those files that store password and user restriction information for the Clikcontrol Server. This directory defaults to the directory holding the Clikcontrol server executable.

Log File Location

This is the location that Clikcontrol stores its runtime log files. These log files may be helpful in troubleshooting problems that may arise in using the Clikcontrol. This directory defaults to the directory holding the Clikcontrol server executable.

Restart Log Files on Start Up

The Clikcontrol continually writes information out to its log files as events occur in the server. This option allows you to choose to keep the log information over successive restarts or to clean out the log files every time the Clikcontrol service starts up.

Commit to Registry Button

As you change the information in the Registry Parameters frame, the information is not actually committed to the registry. To commit the data, you must activate the Commit to Registry pushbutton.

Service State

The Clikcontrol server runs as a service under the Windows operating system. This frame provides you with the current running state of the service. It also allows you to start or stop the service.

Log File Window

The Log File window shows the different Clikcontrol log files generated by the Clikcontrol server. It is accessible under the File menu of the main window.

The log files generated by the Clikcontrol server are rather cryptic. However, they contain information that can assist you in troubleshooting Clikcontrol problems.

To open the log files, simply click on the open button next to the desired log file.

NOTE: This opens a copy of the current log file in a default text editor. You must close out the file and reopen the log file to get the latest information.

2	🖬 Log Files 📃 🗖 🔀				
	Log F	ile Location: C:\PROGR/	A~1\Clik\		
		Log File Name			
	1	CCErr.rep	Open		
	2	CCLink.rep	Open		
	3	CCPirc.rep	Open		
	4	CCThread.rep	Open		
	5	CCUser.rep	Open	-	
	•			•	
		E <u>x</u> it			

Figure 22 -Clikcontrol Log File Window

Log Files

CCErr.rep

This file includes general errors that are encountered by the Clikcontrol server. This may include configuration file access errors.

CCLink.rep

This file includes errors concerning the serial link interface to the PESA routing Switch controller.

CCPirc.rep

This file includes errors concerning the network interface to the Clikcontrol clients.

CCThread.rep

This file includes information on the internal operation of the server program and information about the configuration of the router that the Clikcontrol controls.

CCUser.rep

This file includes information about which users are logging in and out of the Clikcontrol server.

Clikcontrol Remote Configuration Setup

Clikcontrol Remote Configuration requires no user setup.

Clikcontrol Java Applet Setup

The Clikcontrol Java applet requires no user setup.

Clikcontrol Remote Configuration Operation (Ocelot, Bobcat, LNS-8)

<u>NOTE</u>

THE REMOTE CONFIGURATION PROGRAM IS NOT REQUIRED FOR THE 3500PRO OR 3500PRO-LE SYSTEMS.

Ocelot, Bobcat, LNS-8: These system controllers do not utilize a configuration such as the one used by the 3500PRO. Because of this, Clikcontrol Remote Configuration must be used to manage remote client information. In addition, the source numbers, destination numbers, and level numbers used by Clikcontrol Remote Configuration must correspond to the same numbers used by the system controller.

Clikcontrol Remote Configuration is used to create and modify switching system configurations, and to transfer these configurations between the Administrator PC and the Router controller. When first launched, it will appear as shown in Figure 23

E clikControl Remote Configura	tion	
<u>File H</u> elp		
Controller	Destinations]
Controller Type:	Levels:	
3500Pro 💌	Number Delete Label	
	1 VIDEO	
Users Licensed: 10	A1	
	A2	
	5 A4	
	6 TIMECODE	Send to ClikControl
		Receive from
		ClikControl
		Course Champion
		Save Changes
		<u>C</u> ancel and Exit

Figure 23 -Clikcontrol Remote Configuration Main Window

Menu Bar

The menu bar presents the following options:

File Menu

- New configuration Creates a new configuration file.
- Open configuration file Opens an existing configuration file.
- Save changes Saves the configuration being edited. If a file name has not been assigned to the current configuration, one will be solicited.
- Save changes as Allows the current configuration to be saved with a different file name, or saved to a different location.
- Send to Clikcontrol Uploads the current configuration from the Administrator PC to the Clikcontrol controller.
- Receive from Clikcontrol Downloads the configuration from a Clikcontrol controller to the Administrator PC.
- Read 3500 Configuration Imports an existing configuration file created for use with a 3300, 3500 or 3500Plus system controller (*.dat or *.txt).
- Exit Exits the program. If any changes have been made during the current session, an opportunity will be given to save them.

Help Menu

- Send License Key This is used to input a new license key in order to authorize additional remote clients. Each Clikcontrol controller is initially supplied with ten licenses. If more are needed, please contact <u>PESA Customer Service</u>.
- About Gives the Clikcontrol Remote Configuration version number, and pertinent system information.

Shortcut Buttons

These buttons provide shortcuts to the most frequently used menu options.

- Send to Clikcontrol Uploads the current configuration, along with any changes that have been made, to the Clikcontrol controller.
- Receive from Clikcontrol Downloads the configuration from a Clikcontrol controller to the Administrator PC.
- Save changes Saves the configuration being edited. If a file name has not been assigned to the current configuration, one will be solicited.
- Cancel and Exit Exits the program. If any changes have been made during the current session, an opportunity will be given to save them.

Controller Tab

Under the controller tab, the user can select the controller type and setup the number of levels required. In most cases, the user should only select Ocelot, Bobcat, or LNS8

Ĩ.	clikControl Remot	e Configuration			
Ei	e <u>H</u> elp				
ľ	<u>C</u> ontroller	Sources	Destinations		1
	Controller Type:		Levels:		
	3500Pro	•	Number Delete	Label	
	3500Pro		1	VIDEO	
	Ocelot	1	2	A1	
	LINS8		3	A2	
	2.100		4	A3	-
			5 e		
				TIMECODE	Send to ClikControl
					<u>R</u> eceive from ClikControl
					Sa <u>v</u> e Changes
					<u>C</u> ancel and Exit

Figure 24 -Clikcontrol Remote Configuration Controller Tab

Controller Type

The Controller Type can be set to one of five classes:

- 3500PRO (Not used when 3500PRO is primary controller)
- Ocelot
- Bobcat
- LNS8

Most PESA equipment compatible with the Clikcontrol controller may be selected from the drop box. However, other equipment may be specified by typing an entry directly in the data field if necessary.

Users Licensed

When a configuration is pulled from a Clikcontrol server, the number of licensed simultaneous users is listed here. (This works with 3500Pro systems even though the configuration is pulled directly from the controller.)

Each Clikcontrol server initially supplied with ten licenses. If more are needed, please contact <u>PESA Customer Service</u>.

Levels

The switching system levels are specified here. These associate with the different matrices configured in a system.

Sources Tab

See Figure 25 for the Sources Tab window. This tab is used to manage sources that are input into the routing matrices. The green check indicates that the source has a signal present on the associated level.

Ξe	clikContro	ol Rem	ote Configurati	ion						
Eile	<u>H</u> elp									
ra	ontroller		Sources		Dest	inatio	ins	F	Users	ì
								Ļ		
			_	1						
	Number	Delete	Label	VIDEC) A1	A2	A3	A4	TIMECODE	
	1		BLACK	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓	
	2		BARS	 ✓ 	\checkmark	\checkmark	\checkmark	\checkmark	✓	
	3		VTR_1	- I 🗸	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	4		VTR_2	- I 🗸	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	5		VTR_3	- I 🗸	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	6		VTR_4	- V	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	7		VTR_5	- V	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	Send to ClikControl
	8		MIX_1	 ✓ 	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	9		MIX_2	- V	 ✓ 	\checkmark	\checkmark	\checkmark	✓ –	
	10	X	TEST_1	 ✓ 	 ✓ 	\checkmark	\checkmark	\checkmark	✓	Receive from
	11		TEST_2	 ✓ 	 ✓ 	\checkmark	\checkmark	\checkmark	\checkmark	ClikControl
	12		EFX_1	 ✓ 	\checkmark	\checkmark	\checkmark	\checkmark	✓	
	13		EFX_2	 ✓ 	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	14		DISK_1	✓	 Image: A start of the start of	\checkmark	\checkmark	\checkmark	✓	Save Changes
	15		DISK_2	✓	 Image: A start of the start of	\checkmark	\checkmark	\checkmark	\checkmark	
	16		SAT_1	 ✓ 	\checkmark	\checkmark	\checkmark	\checkmark	✓	
	17		SAT_2	 ✓ 	-	\checkmark	\checkmark	\checkmark	 Image: A state of the state of	
	18		IN 18	<u> </u>	1	1	1	1	 ✓ 	<u>C</u> ancel and Exit

Figure 25 -Clikcontrol Remote Configuration Sources Tab

Destinations Tab

See Figure 26 for the Destinations Tab window. This tab is used to manage destinations that are driven out of the routing matrices. The green check indicates that the destination has a signal present on the associated level.

Ĩ.	clikContro	ol Rem	ote Configurat	ion							
Eile	<u>H</u> elp										
	ontroller	۲	Sources	R	<u>D</u> est	tinati	ions		<u>U</u> sers	1	
ш	Number	Delete	Label	VIDEO	A1	A2	A3	A4	TIMECODE		
ш	1		TX_1	 ✓ 	\checkmark	\checkmark	\checkmark	\checkmark	 Image: A set of the set of the		
	2		TX_CLEAN	\[\lambda \] \]	\checkmark	\checkmark	\checkmark	\checkmark	✓		
ш	3		PRODUCER	\[\lambda \] \[\[\]	\checkmark	\checkmark	\checkmark	\checkmark	✓		
	4	X	VTR_1	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		
	5		VTR_2	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		
	6		VTR_3	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓	_	Constan Clife Control
	7		VTR_4	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓	_	Send to ClikControl
	8		VTR_5	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓	_	
	9		MIKE	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		
	10		MON_1	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		<u>R</u> eceive from
	11		MON_2	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		ClikControl
	12		MON_3	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		
	13		DISK_1	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		
	14	X	DISK_2	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		Sa <u>v</u> e Changes
	15		EFX_1	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		
	16		EFX_2	✓	\checkmark	\checkmark	\checkmark	\checkmark	✓		
	17		OUT_17	\[\lambda \] \[\[\]	\checkmark	\checkmark	\checkmark	\checkmark	✓		
						i i					<u>C</u> ancel and Exit

Figure 26 -Clikcontrol Remote Configuration Destinations Tab

Users Tab

See Figure 27 for the Users Tab window. Use this window to manage Remote Client Names and Remote Client Passwords. Access permissions to levels, sources, and destinations are also specified here.



Figure 27 -Clikcontrol Remote Configuration Users Tab

Transfer Configuration to the Clikcontrol Controller from the Clikcontrol Remote Configuration

The configuration currently on the Clikcontrol controller may be transferred to Clikcontrol Remote Configuration as follows:

Open the File menu and select Send to Clikcontrol to display the log on window shown in Figure 28

🚰 clikControl Remote Configuration 🛛 🔀						
clikControl IP or DNS: Password:)ocalhost ****					
Remember Password						
Send Data	<u>C</u> ancel					

Figure 28 -Clikcontrol Remote Configuration Send Log On Window

1. Enter one of the following in the Clikcontrol IP or DNS box:

<u>NOTE</u>

Some networks may be configured so that IP addresses assigned by a DHCP server may expire after a period of inactivity. A new IP address will be assigned when the Clikcontrol controller becomes active again. If you are unsure of whiter your network uses static IP or DHCP, consult your IT representative for assistance. PESA recommends static IP addresses whenever possible.

- The DHCP IP Address
- The Static IP Address
- The DNS Name ______
- 2. Clikcontrol Remote Configuration connects with the Clikcontrol controller by using the Remote Client name **Administrator**. Enter the current password for the remote client **Administrator** in the **Password** box.



3. Click the Send Data button. The configuration is then transferred to the Clikcontrol Server.

4. Click the **Receive Data** button. The configuration on the Clikcontrol controller will then be transferred to Clikcontrol Remote Configuration.

Clikcontrol Java Applet Operation

<u>NOTE</u>

The following Microsoft software must be installed on windows based Client PC's:

Microsoft Internet Explorer v5.0 or higher

Microsoft Virtual Machine v5.00.3802 or higher

Sun Microsystems JAVA2 Plugin V1.4.2 or higher

Web Browser Version Verification/Upgrade

Clikcontrol requires the use of Microsoft Internet Explorer v5.0 or higher. To obtain the latest version, direct your browser to <u>http://www.microsoft.com/windows/IE/</u>.

Virtual Machine Version Verification/Upgrade

Clikcontrol requires the use of Microsoft Virtual Machine v5.00.3802 or higher. To determine the version currently in use, check the properties of the file named jit.dll. To obtain the latest version, direct your browser to <u>http://www.microsoft.com/java/</u>.

Connecting to the Clikcontrol Controller

The Remote Client PC is connected to the Clikcontrol controller by pointing a web browser to the URL of the Clikcontrol controller.

The web page shown in Figure 29 will be displayed.

PESA clikControl - Microsoft Internet Ex	plorer 📃 🗖 🔀
Ble Edit View Figwarites Ioals Help	AT
🔾 Back • 🐑 · 🖹 🗟 🏠 🔎	Search 👷 Favorites 🜒 Media 🤣 🎯 - 🍑 🔂 - 📒 🎎
Agdress 👌 http://dballey/dlkcontrol/index.htm	🖌 🔁 🚱 Links 🔭
PESA Switching Systems	CELECONTROL Internet router control software
ClitControl November 3, 2003 Vestion 1.0	PESA ClikControl Internet Controller
	Welcome to PESA's ClikControl Internet Controller application window. To launch the ClickControl applet, click on the link below.
	Click here to launch ClikControl Server.
PESA Switching Systems, inc. Copyright © 2003. All Rights Received.	
PESA Homepage Oni Users	ine License Start Guide Agreement New Session
創	S Local intranet

Figure 29 -Clikcontrol Java Applet Opening Window



Logging In to the Clikcontrol Controller

Click on the "**Clikcontrol Server**" hyperlink shown in Figure 29 to display the login window shown in Figure 30

🌺 clikControl 1.0 User Login									
clikControl User Login									
Username	Administrator								
Password	****								
ОК	Cancel								
Java Applet Window		_							

Figure 30 -Clikcontrol Java Applet User Login

Name and Password must be one of those created by Clikcontrol Administrator (see "Users Tab" in Figure 27 -Clikcontrol Remote Configuration Users Tab" and transferred to the Clikcontrol controller.

Java Applet Main Window Operation

Most users will need to install the Java 2 plugin in order to run applets that include Swing components. The Java 2 plugin has been included on the Clikcontrol Utilities CDROM. It can also be downloaded from the canonical java website, http://sun.java.com.

🗟 clikControl	11.0 Ui	ser Applet							
	DE	5/4 ms				9	cliki		ITTO BOTTWARE
Destination Fi	iter:	a							Source Filter:
Sort		ð							Sort
	Lock	VIDE0	A1	A2	A3	A4	TIMECODE	Ľ	BLACK
TIC_1		VTR_3	VTR_3		VTR_3	BLACK	VTR_3	•	BARS
TX_CLEAN		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3		VTR_2
PRODUCER		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	۲	VTR_3
VTR_1		VTR_3	VTR_3	VTR_3	VTR_3	VTR_3	VTR_3		VTR_4
VTR_2		VTR_3	VTR_3	VTR_3	VTR_3	BARS	VTR_3	1	
VTR_3		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	1	Take
VTR_4		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	1	Hot Take (Source)
VTR_5		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	•	Hot Take (Dest)
Entres					User alerts	5			_
ccNew	_		-	Take					User: DOUG
ALLBLACK				Config					
MONSETUR	•		•			Clea	¥r.		Exit
Java Applet Wind	low								

Figure 31 -Clikcontrol Java Applet Main Window

The Status Block

The status block displays which sources are switched to the displayed destinations and levels. Here is a screen shot of the status block with an explanation of its major features:

	2	4					
1	Lock	LEVEL1	LEVEL2	LEVEL3	LEVEL4	LEVEL5	LEVEL
OUT_1		IN_10	IN_10	IN_10	IN_10	IN_10	IN_10
OUT_2	<mark>3</mark> ඬ ්	IN_10 <mark>5</mark>	IN_10	IN_10	IN_10	IN_10	IN_10
OUT_3		IN_10	IN_10	IN_10	IN_10	IN_10	IN_10
OUT_4		IN_10	IN_10	IN_10	IN_10	IN_10	IN_10
OUT_5		IN_10	IN_10	IN_10	IN_10	IN_10	IN_10
OUT_6		IN_10	IN_10	IN_10	IN_10	IN_10	IN_10
OUT_7		IN_10	IN_10	IN_10	IN_10	IN_10	IN_10
OUT_8		IN_10	IN_10	IN_10	IN_10	IN_10	IN_10
	4 333333			7			•

Figure 32 -Clikcontrol Main Window – Status Block

1. Destination Column

This column shows which destinations are displayed in the status window. Only destinations which the user has privileges to see will be displayed.

2. Lock Column

This column shows the lock status of the destinations, which are displayed.

3. Locked Destination

If a destination is locked, this icon appears in the Lock column

4. Level Status Columns

The source switched to each level on a destination is displayed in these columns. Only levels which the user has privileges to see will be displayed.

5. Source On A Destination And Level

This block shows the source IN_10 switched to level LEVEL1 on destination OUT_2. Only sources which the user has privileges to see will be displayed.

6. Destination Scroll Bar

This scroll bar allows the user to scroll up and down the destinations column and display different destinations. The scroll bar may or may not be displayed, depending on the number of destinations on the system, or the size of the screen.

7. Level Scroll Bar

This scroll bar allows the user to scroll the level columns back and forth, displaying different levels. The scroll bar may or may not be displayed, depending on the number of levels on the system, or the size of the screen.

The Destination Block

The Destination block contains controls that can be used to sort, filter, and lock destinations. Here is a screen shot of the Destination block with explanations of its major features:



Figure 33-Clikcontrol Main Window – Destination Block

1. Filter Text Field

Only destinations containing or starting with the text entered in the filter box will be displayed when the Filter Toggle button is selected.

2. Filter Toggle Button

Filters the destinations displayed using the text in the Filter text field. If no text is entered in the Filter text field, all destinations are filtered out (i.e. no destinations will be displayed). When selected, the filter button icon changes from an empty square to a crosshatched square.

3. Lock Destination Button

Selecting this button will cause all selected destinations to be locked.

4. Unlock Destination Button

Selecting this button causes all selected destinations to be unlocked.

5. Sort Button

This sorts the destination rows in alphabetical order of the destination names. The button darkens when it is depressed. When not depressed, destinations are displayed in router order.

The Source Block

The Source block contains controls that can be used to sort, filter, and select a source to be switched to a destination. Here is a screen shot of the Source block with explanations of its major features:

Source Filter:	-
1	
Sort	<u>_</u>
	- <mark></mark>
IN_1	
IN_2	1000
IN_3	5
IN_4	
IN_5	
IN_6	
IN_7	-

Figure 34-Clikcontrol Main Window – Source Block

1. Filter Text Field

Only sources containing or starting with the text entered in the filter box will be displayed when the Filter Toggle button is selected.

2. Filter Toggle Button

Filters the sources displayed using the text in the Filter text field. If no text is entered in the Filter text field, all sources are filtered out (i.e. no sources will be displayed). When selected, the filter button icon changes from an empty square to a crosshatched square.

3. Sort Button

This sorts the source rows in alphabetical order of the source names. The button darkens when it is depressed. When not depressed, sources are displayed in router order.

4. Source List

This is the list of sources a user may access. Only one source may be selected at a time.

5. Source List Scroll Bar

This scroll bar allows the user to scroll the list of sources up and down, exposing more of the sources on the list.

The Take Block

The Take block contains controls that allow the user to switch sources to destinations. Here is a screen shot of the take block with explanations of its major features:

1	
Take	
<mark>2</mark> 🗌 Hot Take (Source)	
<mark>3</mark> 🗌 Hot Take (Dest)	

Figure 35-Clikcontrol Main Window – Take Block

1. Take Button

This button switches the selected source to the selected destination(s).

2. Hot Take (Source) Checkbox

This checkbox, when selected, causes the selected destinations to be switched every time a new source is selected, without the "Take" button being pressed.

3. Hot Take (Dest) Checkbox

This checkbox, when selected, causes the current source to be switched to the selected destination(s) every time a new destination(s) are selected, without the "Take" button being pressed.

The Salvo Block

The Salvo Block contains controls that allow the user to create, modify, display, and take salvoes. Salvoes that are read from a 3500Pro controller are available for display and execution only. Clikcontrol salvoes may be displayed, modified, and executed if the user has privileges to do so. Here is a screen shot of the Salvo block with explanations of its major features:

Salvos 1	3
MMM	Take
SALV01	Config
SALVO2	
SALVO3	▼

Figure 36-Clikcontrol Main Window – Salvo Block

1. Salvo List

The salvo that the user wishes to take or configure can be selected from this list. The names of salvoes displayed in black are the names of Clikcontrol salvoes; the names of salvoes displayed in blue are 3500Pro salvoes.

2. Salvo List Scroll Bar

This scroll bar allows the user to scroll up and down the salvo list, exposing more of the salvoes on the list.

3. Salvo Take Button

This button takes the selected salvo.

4. Salvo Config Button

This button displays the Salvo Configuration screen with the selected salvo displayed for configuration.

The Alert Block

The Alert block contains controls that display warning and alert messages to the user. Here is a screen shot of the Alert block with explanations of its major features:



Figure 37-Clikcontrol Main Window – Alert Block

1. Alert Text Area

This text area displays the alert messages logged by the Clikcontrol applet.

2. Alert Text Area Scroll Bar

This scroll bar allows the user to scroll the text area up and down, exposing all alerts logged by the Clikcontrol applet.

3. Clear Button

This button clears all alerts from the text area. Once cleared, the alerts cannot be retrieved.

The Exit Block

The Exit block contains the Exit button, and the Username text field. Here is a screen shot of the Exit block:



Figure 38-Clikcontrol Main Window – Exit Block

Pressing the Exit button causes the user to be logged off the Clikcontrol, and the Clikcontrol applet to exit. The text field titled "User:" contains the username of the current user.

Java Applet Salvo Window Operation

Configuration and creation of Clikcontrol salvoes is made possible by the Salvo Configuration Interface. This interface is accessed through the "Config" button in the Salvo Block of the Clikcontrol interface window. To configure an existing salvo, the user simply selects the desired salvo, then presses the "Config" button. To create a new Salvo, the user may press the "Config" button with no salvo selected. A small dialog will appear, prompting the user to key in the name of the new salvo. This will create a new, empty salvo, which the user may then configure. To create a salvo that already contains destinations, the user simply highlights the desired destinations and then presses the "Config" button. The salvo name dialog will appear, and after a new unique name is chosen for the salvo, the new salvo will appear in the salvo configuration window with the chosen destinations in the same state as they were in when chosen.

~	PE	SA shing		<u> </u>	clik	CONT	N		
Salvo N	lame:	Owner:		Calua	Configuratio		Courses		
ccNev	v	 DOUG 		24140	configuratio	on	3001063		
			Destinatio	ns and Levels			<none></none>		
		Lock After	VIDEO	A1	A2	A3	BLACK		
VTR_5		NO	BLACK	BLACK	BLACK	BLACK	 BARS 		
VTR_4		NO	BLACK	BLACK	BLACK	BLACK			
VTR_3		NO	BLACK	BLACK	BLACK	BLACK	Commit		
VTR_2		NO	BLACK	BLACK	BLACK	BLACK	✓ Unlock before take		
VTR_1		NO	BLACK	BLACK	BLACK	BLACK	Global Read Access		
TV AI		1	DURCH	DURCH	DLICK	DUCK	Global Write Access		
	Remove Destination			Add Destination			Remove Errors		
		New		S	Save As		Delete		
[ок]	Apply			Cancel		

Figure 39-Clikcontrol Java Applet Salvo Window

The Name Block

The Name block contains the name of the salvo being configured, and the name of the owner of the salvo. The salvo name is in a pull-down selection box that will display all of the salvoes the user has privileges to see. The active salvo may be changed by selecting any of the salvoes from this pull-down. Below is a screen shot of the Name Block with descriptions of its major components:

Salvo Name:	Owner:
MMM -	Administrator 2

Figure 40-Clikcontrol Salvo Window – Name Block

1. Salvo Selection Pull down

This control displays the name of the active salvo. The active salvo displayed in the Salvo Configuration screen may be changed by selecting a different salvo from this control.

2. Salvo Owner Name

This text field contains the name of the salvo's owner. The owner of a salvo always has privileges to view and edit the salvo.

The Salvo Destination Block

The Salvo Destination Block shows the destinations that are to be switched when the salvo is taken, and what sources are to be switched to what levels on each destination. It also shows whether the destination is to be locked after the salvo is taken. Below is a screen shot of the Salvo Destination block with descriptions of its major components:

Destinations and Levels									
•	Lock After	LEVEL1	LEVEL2	LEVEL3	LEVEI				
OUT_1	NO	IN_4	IN_4	IN_4	IN_4 📥				
OUT_2	NO	IN_4	IN_4	IN_4	IN_4				
OUT_3	NO	IN_4	IN_4	IN_4	IN_4				
OUT_4	NO	IN_4	IN_4	IN_4	IN_4				
OUT_5	NO	IN_4	IN_4	IN_4	IN_4				
OUT O		5	1051 A	15.1 4					

Figure 41-Clikcontrol Salvo Window – Salvo Destination Block

1. Destination Column

This column displays the names of the destinations to be switched when the salvo is taken.

2. Lock After Column

This column displays the lock state of the destination after the salvo has been taken. Clicking in this column will toggle the state for a destination.

3. Level Columns

These columns display which sources will be switched to each level on a destination. The source named "<none>" denotes no switch is to be made on a destination and level.

4. Destination Scroll Bar

This scroll bar allows the user to scroll up and down the destinations column and display different destinations. The scroll bar may or may not be displayed, depending on the number of destinations in the salvo, or the size of the screen.

5. Level Column Scroll Bar

This scroll bar allows the user to scroll the level columns back and forth, displaying different levels. The scroll bar may or may not be displayed, depending on the number of levels on the system, or the size of the screen.

The Source Block

The Source Block contains the list of sources that the user has permission to use, and the Commit button, which will update the selected destinations and levels of the current salvo with the selected source. Below is a screen shot of the Source Block with and explanation of its major components:



Figure 42-Clikcontrol Salvo Window - Source Block

1. Source List

The Source list lists all sources that the user has privileges to use. The special source "<none>" may be placed on any level of any destination. It denotes that no switch is to occur on the destination and level when the salvo is taken.

2. Source List Scroll Bar

This scroll bar allows the user to scroll the list of sources up and down, exposing more of the sources on the list.

3. Commit Button

This button commits the selected source to the selected destinations and levels.

The Privileges Block

The Privileges Block shows what access privileges the user has been given for the active salvo. It also contains the checkbox used to denote whether or not destinations in the salvo should be unlocked before the salvo is taken. Below is a screen shot of the Privileges block with explanations of its major components:



Figure 43-Clikcontrol Salvo Window – Privileges Block

1. Unlock Before Take Checkbox

This checkbox should be selected if the owner wants the destinations in the salvo to be unlocked before the salvo is taken. Checking this checkbox will cause the Clikcontrol to attempt to unlock a destination before attempting a switch. If the destination is left locked, the specified switch will not occur on the destination. By default, it is unchecked.

2. Global Read Access Checkbox

This checkbox should be checked if the owner wants all users on the Clikcontrol to be able to read and take this salvo. By default, it is checked.

3. Global Write Access Checkbox

This checkbox should be checked if the owner wants all users on the Clikcontrol to be able to change this salvo. By default, it is checked.

The Edit Controls Block

This block contains all the controls used to create, delete, and edit salvoes. Below is a screen shot of the Edit Controls Block, with explanations of its major components:

1 Remove Destination	2 Add Destination	3 Remove Errors
4 New	5 Save As	6 Delete
<mark>7</mark> ОК	8 Apply	9 Cancel

Figure 44-Clikcontrol Salvo Window – Edit Controls Block

1. Remove Destination Button

Pressing this button will remove the selected destinations from the salvo.

2. Add Destination Button

Pressing this button will cause a small popup menu to appear. The user may select the desired destinations, and they will be added to the salvo with the source "<none>" on each level.

3. Remove Errors Button

If changes are made to names of sources or destinations on the controller that is being controlled by the Clikcontrol, salvoes defined for the previous controller configuration can have errors. These errors will be highlighted in red. Pressing the Remove Errors button will cause all erroneous destinations to be removed, and all erroneous sources to be changed to "<none>".

4. New Button

Pressing this button will clear the salvo configuration window and prompt for the name of the new salvo. When a new unique salvo name is entered, the new salvo will be displayed in the window. The user may then configure the new salvo.

5. Save As Button

Pressing this button will cause a prompt for a new salvo name to appear. After the user enters a new unique salvo name, the current salvo will be copied and displayed on the salvo configuration screen. The user may then change the salvo's configuration. It is important to note that the new salvo will not be saved until the user presses the "OK" or "Apply" buttons.

6. Delete Button

Pressing this button will cause the current salvo to be deleted.

7. OK Button

Pressing this button will cause any changes that have been made to a salvo to be committed, and the salvo configuration window to close. Edits to existing salvoes, as well as newly created salvoes, will be saved.

8. Apply Button

This button also causes changes to salvoes to be committed, but does not close the salvo configuration window.

9. Cancel Button

Pressing this button will cause any current changes to a salvo to be discarded, and the salvo configuration window to close.

Step-by-Step Instructions for Taking a Source to a Destination Using the Clikcontrol Java Applet User Interface

The following is a quick demonstration of how to use the Clikcontrol Java Applet User Interface to take a selected source to a selected destination.

Step 1: Select the Desired Source

Position the mouse pointer over the desired source and click once. Use the scroll bar to locate the desired source if necessary. The selected source will become highlighted.

a clikControl 1.0 User Applet									
	DE4 witch yster	5A				9	clike	0	
Destination Fi	ter:	ê							Source Filter:
Sort		Ô							Sort
	Lock	VIDE0	A1	A2	A3	A4	TIMECODE		BLACK
TIC1		VTR_3	VTR_3		VTR_3	BLACK	VTR_3	-	BARS
TX_CLEAN		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3		VTR_2
PRODUCER		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	۲	VTR_3
VTR_1		VTR_3	VTR_3	VTR_3	VTR_3	VTR_3	VTR_3		VTR_4
VTR_2		VTR_3	VTR_3	VTR_3	VTR_3	BARS	VTR_3		
VTR_3		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3		Take
VTR_4		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3		Hot Take (Source)
VTR_5		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	•	Hot Take (Dest)
					User alerts				
CCNew CCNew CCNative				Take Config					User: DOUG
MONSETUP	, 		•			Clea	Exit		
Java Applet Wind	law								

Figure 45-Clikcontrol Take Switch – Select Source

Step 2: Select the Desired Destination(s).

Position the mouse pointer over the desired destination and click once. Clicking on the destination name will highlight all levels on the destination, regardless of whether they are visible or not. Levels the user does not have privileges to view will not be changed. Holding the "Ctrl" key down will allow the addition of more destinations. In the example pictured below, the destination VTR_1 has been selected, as well as levels VIDEO, A1, A2, A3, and A4 on the destination VTR_3.

clikControl	1.0 Us	er Applet							
	DES witch yster	5/4 ms				9			
estination Fil	ter:	191							Source Filter:
Sort		õ							Sort
	Lock	VIDEO	A1	A2	A3	A4	TIMECODE	1	BLACK -
DC_1		VTR_3	VTR_3		VTR_3	BLACK	VTR_3	-	BARS
TX_CLEAN		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3		VTR_2
PRODUCER		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	H	VTR_3
VTR_1		VTR_3	VTR_3	VTR_3	VTR_3	VTR_3	VTR_3		VTR_6
VTR_2		VTR_3	VTR_3	VTR_3	VTR_3	BARS	VTR_3	11	
VTR_3		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	1	Take
/TR_4		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	11	Hot Take (Source)
VTR_5		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	•	🗆 Hot Take (Dest)
Enhore				-	User alerts				_
ccNew	_			Take					User: DOUG
ALLBLACK			-	Config				_	
						Clea	M.		Exit

Figure 46-Clikcontrol Take Switch – Select Destination(s)

Step 3: Press the "Take" Button.

Position the mouse pointer over the "Take" button and click once.

🗟 clikControl 1.0 User Applet									
	D# witch yster	5/4 ms				9	clike		End software
Destination Fi	iter:	8							Source Filter:
Sort		Ô							Sort
	Lock	VIDE0	A1	A2	A3	A4	TIMECODE	Ľ	BLACK
TX_1		VTR_3	VTR_3		VTR_3	BLACK	VTR_3	-	BARS
TX_CLEAN		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3		VTR_2
PRODUCER		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	2	VTR_3
VTR_1		VTR_3	VTR_3	VTR_3	VTR_3	VTR_3	VTR_3		VTR_6
VTR_2		VTR_3	VTR_3	VTR_3	VTR_3	BARS	VTR_3		
VTR_3		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3		Take
VTR_4		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3		Hot Take (Source)
VTR_5		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	•	Hot Take (Dest)
Entres					User alerts	;			_
ccNew ccNative ALLBLACK			-	Take Config					User: DOUO
MONSETUR	,		-			Exit			
Java Applet Wind	low								

Figure 47-Clikcontrol Take Switch – Press Take

Step 4: The Destinations Are Updated by the Clikcontrol.

As seen the example pictured below, the selected destinations are updated to the new source by the Clikcontrol applet.

estination Fi	Ner:	8						Source Filter:
Sort		Ô						Sort
	Lock	VIDEO	A1	A2	A3	A4	TIMECODE	BLACK
TX_1		VTR_3	VTR_3		VTR_3	BLACK	VTR_3	BARS
TX_CLEAN	-	VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	VTR_2
PRODUCER		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	VTR_3
VTR_1		BARS	BARS	BARS	BARS	BARS	BARS	VTR_4
VTR_2		VTR_3	VTR_3	VTR_3	VTR_3	BARS	VTR_3	MDC1
VTR_3		BARS	BARS	BARS	BARS	BARS	VTR_3	MDC_2
VTR_4		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	TEST_2
VTR_5		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	EFX_1
MIKE		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	
MON_1	-	VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	Take
MON_2	-	VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	Hot Take (Source)
MON_3	<u> </u>	VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	🖌 🗆 Hot Take (Dest)
Saluns					User alerts			
ccNew	_		-	Taka				Harris and State
ALLBLACK				Confin				User: DOUG
MONSETUP OC1	•			comig				
0.00			•			Clear		Exit

Figure 48-Clikcontrol Take Switch – Destinations Updated

Step-by-Step Instructions for Taking a Salvo Using the Clikcontrol Java Applet Interface

The following is a quick demonstration of how to use the Clikcontrol Java Applet User Interface to take a selected source to a selected destination.

Step 1: Select the Desired Salvo

Position the mouse pointer over the desired salvo and click once. The selected salvo will become highlighted.

clikControl	1.0 U	ser Applet						
		5/4 ms				9		control software
Destination Fi	Ker:	Ð						Source Filter:
Sart		۲						Sart
	Lack	VIDEO	A1	A2	A3	A4	TIMECODE	BLACK -
TX_1		VTR_3	VTR_3		VTR_3	BLACK	VTR_3	ARS NTR 1
TX_CLEAN		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	VTR_2
PRODUCER		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	VTR_3
VTR_1		BARS	BARS	BARS	BARS	BARS	BARS	VTR_4 VTR_5
VTR_2		VTR_3	VTR_3	VTR_3	VTR_3	BARS	VTR_3	MDL1
VTR_3		BARS	BARS	BARS	BARS	BARS	VTR_3	MD_2 TERT 1
VTR_4		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	TEST_2
VTR_5		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	EFX_1
MIKE	1.1	VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	
MON_1		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	Take
MON_2		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	Hot Take (Source)
MON_3		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	🖉 🗌 Hot Take (Dest)
Cabara					User alerts			
ccNew								
CCNative ALLBLACK				Take				User: DOUG
MONSETUR	•			Config				
			*			Choose		6-10

Figure 49-Clikcontrol Take Salvo – Select Salvo

Step 2: Press the "Take" Button in the Salvo Block.

Position the mouse pointer over the "Take" button in the Salvo block and click once. The salvo is taken by the Clikcontrol and the new status is updated by the Clikcontrol applet.

clikControl	1.0 U	ser Applet	_					
	D# witch yste	5A				9		control software
estination Fil	Ker:	ê						Source Filter:
Sort		Ô						Sort
	Lock	VIDEO	A1	A2	A3	A4	TIMECODE	BLACK
X_1		VTR_3	VTR_3		VTR_3	BLACK	VTR_3	A BARS
X_CLEAN		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	VTR_2
RODUCER		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	VTR_3
TR_1		BARS	BARS	BARS	BARS	BARS	BARS	VTR_4 VTR_5
TR_2		VTR_3	VTR_3	VTR_3	VTR_3	BARS	VTR_3	MDC_1
/TR_3		BARS	BARS	BARS	BARS	BARS	VTR_3	MDC_2
TR_4		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	TEST_2
/TR_5		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	EFX_1
AIKE .		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	
NON_1		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	Take
10N_2	1	VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	Hot Take (Source)
MON_3		VTR_3	VTR_3	VTR_3	VTR_3	BLACK	VTR_3	 Hot Take (Dest)
Salvos					User alerts			_
CCNew CCNative ALLBLACK MONSETUP	,			Take Config				User: DOUG
001			•			Clear		Exit

Figure 50-Clikcontrol Take Salvo – Press Salvo Take

Clikcontrol Remote Reset Operation

If installed, the remote reset page provides the means of stopping and starting the Clikcontrol service. The service is available via web browser equipped to handle ASP pages.

The page is installed in the clikAdmin virtual directory configured on an IIS HHTP server. The page is accessed by typing the URL:

<machine name>/clikAdmin/services.asp

Before the page is accessed, the user is prompted to enter their **Windows account name** and **password**. (This is a Windows related feature and does not have anything to do with the Clikcontrol user accounts.)

Connect to 192.168	.0.169
	G
Connecting to 192.16	58.0.169
<u>U</u> ser name:	£
Password:	
	Remember my password
	OK Cancel

Figure 51-Clikcontrol Remote Reset – Windows Login

After successfully logging into the ASP page, the user is provided with the status of the Clikcontrol service. By clicking on the operating state, the user can toggle the running state of the Clikcontrol service.



Figure 52-Clikcontrol Remote Reset – Services ASP Page

