

WIN-PAK

Complete Access Control for Windows

Version 1.16

User Manual Addendum

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1 Introduction

Thank you for selecting WIN-PAK access control software. WIN-PAK 1.16 provides the same solid, reliable access control as version 1.15, but with a number of new features. These features, which are described in more detail in this addendum, include enhanced support for Pelco camera control, Guard Tour Enhancements, support for the Datacard Express magnetic stripe encoding and panel year recognition, with the appropriate panel firmware.

Version 8.02 panel firmware is required for the Send Year to Panel feature. Using this feature, remote panels can remain buffered over Leap Day to provide accurate history.

The basic installation, programming and functions remain the same as version 1.15. Please refer to the WIN-PAK User Manual for detailed information on installation, programming and use of the WIN-PAK 1.16 software.

If you are upgrading from an earlier version of WIN-PAK, make sure to create a backup of your system before installing WIN-PAK 1.16.

Pre-Installation

If you are upgrading:

BEFORE installing WIN-PAK 1.16, backup your WIN-PAK databases.

1. From the File menu, click Backup.
2. Click Yes to buffer panels, if desired.
3. Copy the backup files from the BACKUP subdirectory to a tape or other backup media.
4. Proceed with the Installing WIN-PAK described below.

System Setup

If you are installing WIN-PAK software for the first time follow these steps:

BEFORE installing WIN-PAK, configure your PC according to instructions in Appendix A of the User Manual. Make sure that your files contain the correct commands.

BEFORE installing WIN-PAK, install your video capture card or digital camera (if badging). See the documentation for your video peripheral for more information.

Installing WIN-PAK

1. Insert WIN-PAK Installation Disk 1 into the disk drive. Or insert the WIN-PAK CD in the CD drive.
2. Click the Windows **Start** button and then click **Run**.
3. Type **A:\SETUP** in the Open text box (where **A** is your floppy disk drive.) or **D:\Setup** (where **D** is your CD drive.) Click **OK**.
4. A copyright information screen appears. Click **OK** to acknowledge that you understand the message and agree to the terms. (Clicking **Cancel** at any point aborts the installation.)
5. A window appears prompting you to select the type of installation for this machine. Select one of the following types of installation:

Stand-Alone

The current machine is NOT networked with any other computer.

Server

The current machine is networked with other computers, stores all database information, and communicates with the control panels.

Client

The current machine is networked with other computers but does not store database information or communicate with the control panels.

6. Click **OK** to continue. WIN-PAK Install then prompts for a video card type: Select the board that is installed on the target PC (or None). Click **OK**.
7. WIN-PAK Install prompts for the badge printer. If you have one of the special feature printers listed, then select it. If you have any other printer or will not be printing badges, then select Other. Click **OK** to continue.
8. WIN-PAK Install prompts for the type of signature capture pad. If you have a PenWare 100 or 2000 signature capture pad, then select Penware 100. If you will not be capturing signatures, select None. Click **OK** to continue.
9. WIN-PAK Install then prompts for a directory in which to install WIN-PAK. The default directory is on the C: drive. To select another directory, click the Drive drop-down arrow and select one. An alternate subdirectory can be selected by double-clicking the directory folders. Click **OK** when the directory you want appears in the top text box.
10. A registration dialog box appears. Type in your name and organization. (Click on the spaces to type in them or press **Tab** to move between them.) Click **OK** to proceed.
11. A dialog box asks you to confirm that the information you added is correct. If it is, click Yes. If not, click No to return to the registration window to modify the information.
12. WIN-PAK Install asks you if you want to print alarms from this station. Select Yes if you will be printing alarms from this station or No if you will not.

13. WIN-PAK Install copies files to your hard drive. If you are installing from disks, it will prompt you to put Installation Disk 2 into the floppy drive and press the **OK** button. (Do not change the Source Pathname unless it is different from the default path.) WIN-PAK install continues copying files to your hard drive.
14. A message appears notifying you that WIN-PAK has been successfully installed. Click **OK**. You will have new group window called Northern Access Control that contains icons for the following:



WIN-PAK Program

Double-click this icon to access WIN-PAK.



Badge Layout Utility

Double-click this icon to create badge backdrops for cards (also accessible from within WIN-PAK).



WIN-PAK Help

Double-click this icon to get help on any of WIN-PAK's functions. (also accessible from within WIN-PAK).



ReadMe.HLP

Double-click this icon to read any last minute release information that may not be included in the manual.



PCPAK TO WIN-PAK CONVERSION HELP

Double-click this icon for instructions on how to convert PCPAK databases to WIN-PAK.



Un-Install WIN-PAK

Double-click this icon to delete WIN-PAK and any related files off of your hard drive.

2 New Features

- Pelco CM9750 Camera Controller support
- Guard Tour enhancements
- Datacard Express magnetic stripe encoding support
- Preview and capture controls for the FlashPoint video capture card
- Leap Year recognition with 8.02 panel firmware

3 Pelco CM9750 Camera Support

WIN-PAK 1.16 provides support for the Pelco CM9750 Camera.

A Operation Disk for the SYSTEM 9750

Use the Pelco Installer to create the Operation Disk, which is used to boot up the 9750 Controller. Refer to the Pelco SYSTEM CM9750 Programming Manual for instructions on how to create and program this disk. When creating the Operation Disk take note of the following information:

1. Program all cameras and monitors that are to be used on the Matrix Bay.
2. Program all communications ports.
3. The ASCII comport card for communication with the WIN-PAK software is by default 4800 baud. This setting cannot be changed from within the Operation Disk.
4. The ASCII port may need to be ordered special from Pelco.

Hardware Required

CM9750 - Controller

This unit sends commands to the appropriate devices and initializes from an Operation Disk that sets the parameters for all the equipment.

CM9750-VMM - Video Output Module

This is a Matrix Bay monitor and camera output device.

No. 9750 RCV/DRV - Receiver and Driver Device

This unit controls a Pan/Tilt Camera with focus etc.

Null Modem Adapter

This provides the connection between the ASCII COM port and the cable to the WIN-PAK computer. Serial Cable 25-9 or 9-9, dependant on WIN-PAK computer port. (If you are using a multi-port board, use the provided connectors along with a null modem adapter).

WIN-PAK Capabilities

- Pan Tilt (Up/down, Left/Right)
- Camera to Monitor Switching
- Focus (Near)
- Focus (Far)
- Iris (Open)
- Iris (Close)
- Zoom (Telephoto)
- Zoom (Wide)

Functions not supported by WIN-PAK 1.16

- Send Titles
- This series of Pelco equipment does not allow titles to be sent)

- Macros
- Macros cannot be sent by WIN-PAK with the selection of Pelco for a CCTV loop.
- Set Limits
- This particular series of Pelco Controller does not support Preset position [Limits].

WIN-PAK Setup

1. In the Area and Serial Port setup, set the baud rate to 4800.
2. For the Area Loop, select CCTV.
3. For the Area Name select Pelco.
4. Set these values:
 - Parity Even
 - Data Bits 8
 - Stop bits 1
5. Program the Camera and Monitor to match the programming of the Operation Disk. Only cameras and monitors programmed on the Operation Disk can be controlled by the WIN-PAK software.

Refer to the Pelco SYSTEM CM9750 Programming Manual for additional **information**.

Commands Supported by WIN-PAK 1.16

Lens Control	Cmd	Pan/Tilt	Cmd	Matrix Control	Cmd
Focus Near	NA	Pan Left	[1-64] La	Select Monitor	[1-99]Ma
Focus Far	FA	Pan Right	[1-64] Ra	Select Camera	[1-99] #a
Iris Open	Oa	Tilt Up	[1-63]Ua		
Iris Close	Ca	Tilt Down	[1-63] Da		
Zoom Telephoto	Ta	Stop Pan/Tilt/Lens	Sa		
Zoom Wide	Wa				

NOTE: The bracketed [1-64] represents the speed at which the command is performed. WIN-PAK uses 32 for the speed to provide a medium range when commands are being sent. Example: "32Ra" which represents a pan right at the speed of 32.

Command Examples

Command Description	String to Send
Switch camera 3 to monitor 1	1Ma3#a
Go to camera 2, preset 3, on monitor 5	5Ma2#a3\a

4 Guard Tour Enhancements

The following Guard Tour enhancements are available in WIN-PAK 1.16:

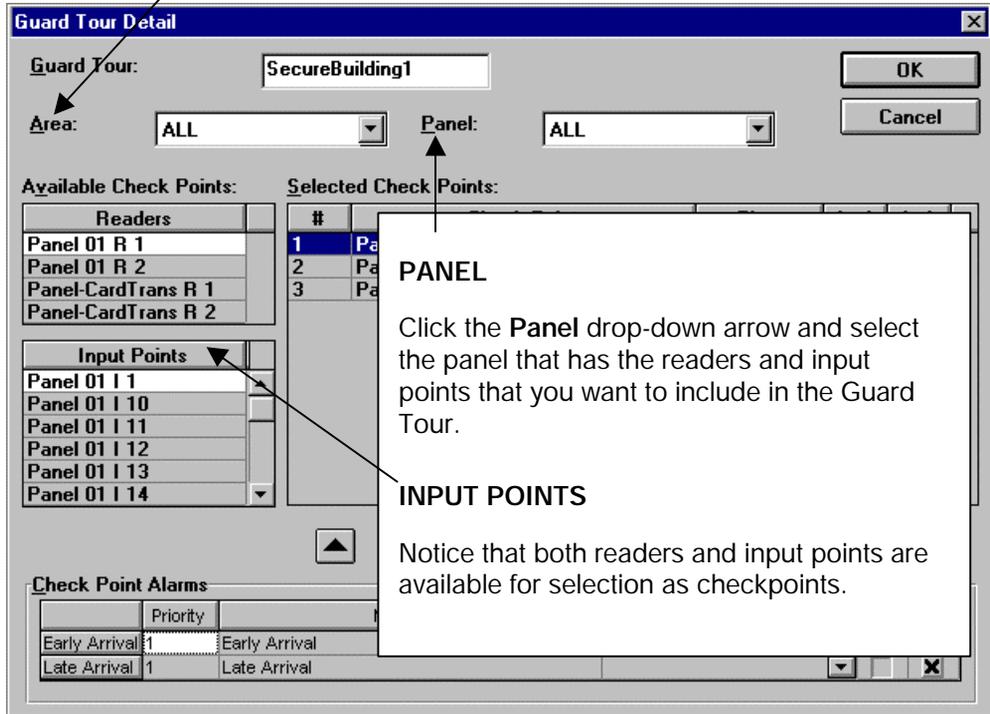
1. In addition to card readers, input points can be checkpoints in tour.
2. Invalid card swipes (card not found) can be used to satisfy checkpoints, except for first stop in tour.
3. Restriction: The first checkpoint in the tour must be a card reader.

Guard Tour Detail Window Changes

The guard tour database detail dialog box has changed significantly to incorporate input points. Three new controls, Area, Panel and Input Points have been added. These controls are described on the following page.

AREA

Click the **Area** drop-down arrow and select the loop you want to include in the Guard Tour.

**Guard Tour Alarms**

There are still only two possible alarms, early arrival or late arrival. If a card is not presented at the appropriate reader or the specified input point doesn't change to alarm state within the allotted time, an alarm is generated indicating a missed check-in.

If a card is presented to the appropriate reader too soon or the specific point changes state too soon, a different alarm is generated indicating an early arrival.

Guard Tour Report Changes

The Guard Tour Database Report has changed to include input point names where appropriate. The History Report has also changed to reflect the early and missed guard tour alarms from input points.

5 Datacard Express Magnetic Stripe Encoding

To activate this feature, select the **DataCard Imagecard Express** from the **Select Badge Printer** menu during installation.

Follow the instructions in the WIN-PAK 1.15 manual to setup Magnetic stripe encoding.

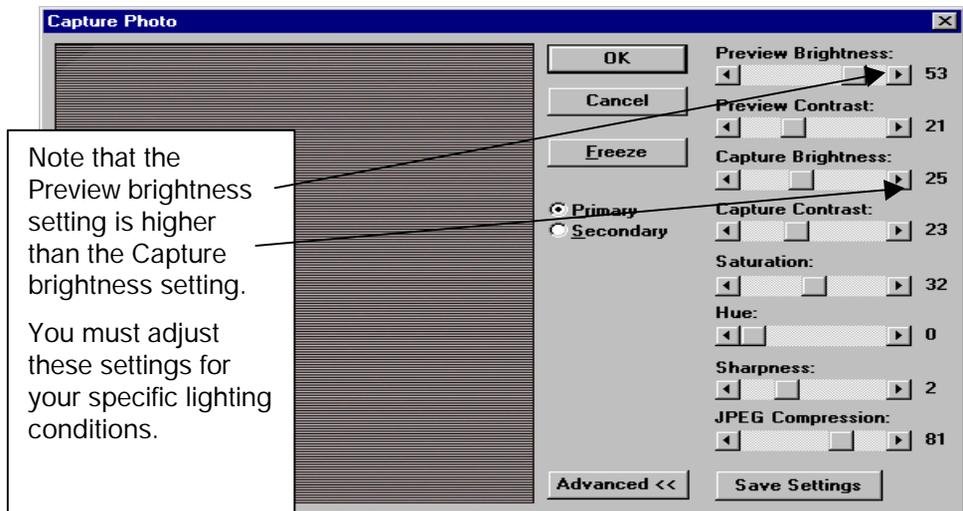


6 Preview and Capture Controls for the FlashPoint Video Capture Card

New settings are available for the FlashPoint 128 Capture Card (PB-VC-7):

- Preview Brightness
- Preview Contrast
- Capture Brightness
- Capture Contrast

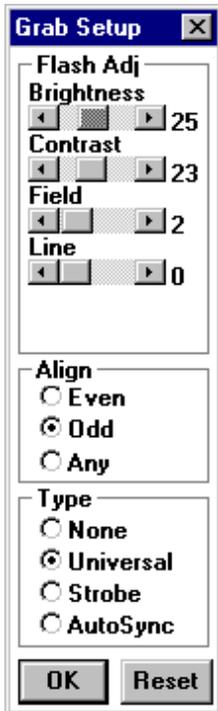
These setup controls allow different settings for previewing the video image and capturing it. The image seen in the Preview mode can be brightened electronically. When the flash is tripped, the amount of light entering the camera's iris is reduced compared to the preview, allowing the flash to provide the light saturating the subject, without over exposing the picture.

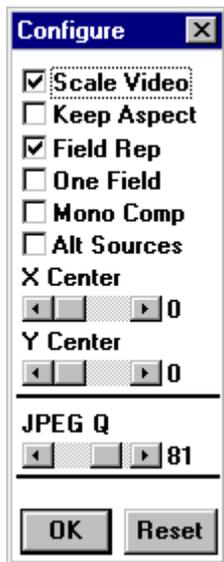


To function properly, changes need to be made in the FlashPoint FPG program setup. Below are sample settings that can be used.

To Change the Grab Settings

1. Click the Windows **Start** button, **Program** menu, **FlashPoint, FPG**.
2. Click **Setup**, and then click **Grab**. Start with these values:
 - Brightness 25
 - Contrast 23
 - Field 2
 - Align Odd
 - Type Universal
3. Test the flash sync by clicking **Grab** on the menu bar (assuming that the camera and flash devices are attached and working properly). If a flash occurs but does not illuminate the subject (out of sync), try changing the value of the field by a unit of 1.
4. Repeat the flash test after each change in the field value. Generally, an acceptable field value will be between 0 and 5.
5. If the sync still doesn't work change the Align feature to a different setting (try Even first and then, lastly Any).
6. After changing the Align setting, repeat the field test, changing the field value 1 unit at a time.





To Enable the Field Rep Setting

The Field Rep needs to be enabled with standard (field capture) cameras. (The PB-CAM-4 and PBCAM-9 cameras supplied by Northern Computers are of the field capture type.) If you are using a frame capture type camera, you do not need to use the Field Rep in your setup.

1. Click **Tools, Configuration**.
2. Check the Field Rep box to enable this option. When Field Rep is enabled, both video fields from the camera are illuminated by the flash. If it is not enabled, a striping effect results because the second field is not illuminated by the flash. With Field Rep enabled, you may notice a reduction in the resolution of the picture.
3. For further information, refer to the FlashPoint manual.

TWAIN Interface Flash Method

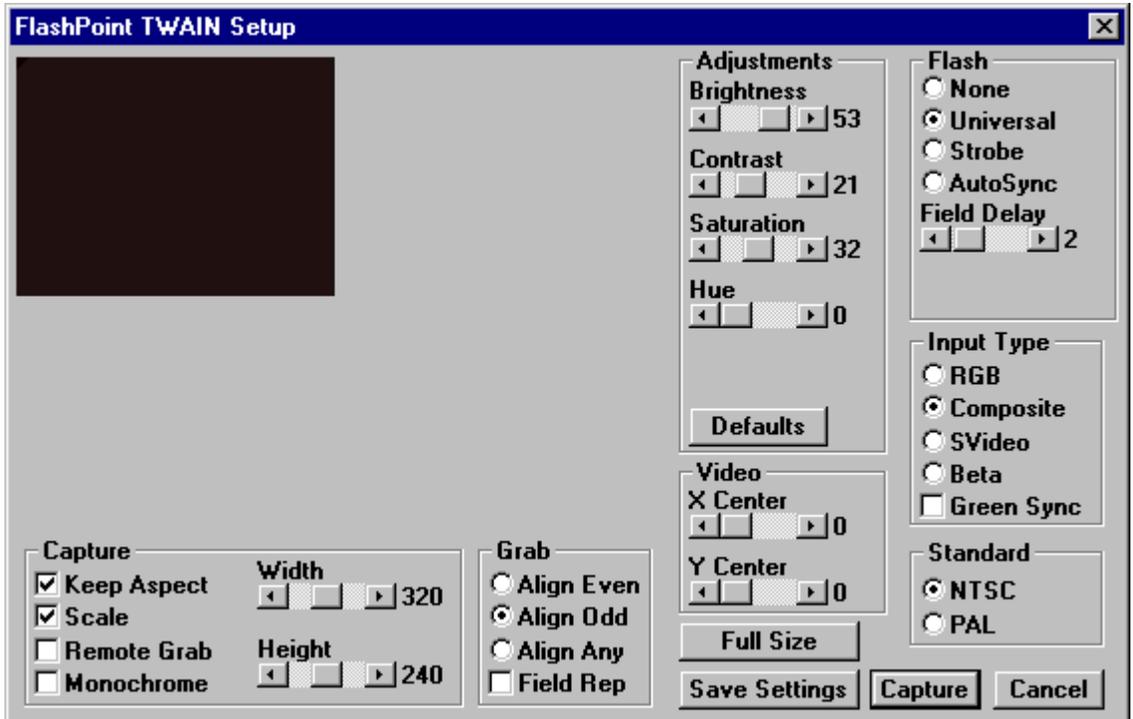
An alternate method of using the Flash option with WIN-PAK 1.16 is to utilize the TWAIN interface of the FlashPoint capture card. The TWAIN Interface provides a number of advantages:

1. Capture the full camera view.
2. Crop the image after the picture is captured.
3. With a field camera, the resolution can be reduced by half, without reducing the apparent resolution of the captured picture. (When properly setup you do not need to use the Field Rep setting thus allowing the appearance of more resolution.)

To Setup a TWAIN Interface for Flash

1. Select the TWAIN interface during WIN-PAK installation. The settings for a TWAIN interface are similar to those just described, except there are no separate capture or preview brightness/contrast settings.
2. Use the sample settings shown below as a starting point for your TWAIN setup. Test the settings and then adjust them as necessary for your system.
3. If a frame capture camera is used or if flash is not being utilized, the width and height settings should be set to 640 by 480 setting.

For further information, review the section "Video Capture Board Types" in the WIN-PAK 1.15 manual.



7 Leap Year Recognition with 8.02 Panel Firmware.

When WIN-PAK 1.16 is used with 8.02 (or better) firmware, the year is sent to the panels. This allows the panels to recognize leap year, even in the buffer mode.

