

Down Loader Design

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¹\$Header: d:/00RMKb/Design/RCS/Dnldr.tex,v 1.2 2010-08-05 12:45:17-07 Hamilton Exp Hamilton \$
⁴tocdepth = 4

1 External Design of the Visual Basic Downloader Front End

The new Downloader front end is intended to make downloading of the SPECTRA IV as easy as possible and to allow access to a wide range of advanced serial communications options. It also has a limited range of PTZ type commands. The PTZ commands are intended only to help setting up a PTZ unit.

1.1 The Initial, or Start, Screen

The initial screen, Figure 1, page 6, consists of several important areas, these are:

1. Stuff above a horizontal line. These values may be set automatically by using the AUTO BAUD + ID function.
2. Stuff below the horizontal line. These values may be set as a result of the AUTO BAUD + ID function. Usually the default values will be correct and all of these values may be overridden with valid user selected choices.
3. A list of COMs detected on initial load is displayed on the right hand the side. If more than one COM port is detected, the lowest numbered port is automatically selected. If another port is desired, then it must be selected manually.

All items on the screen, except for the data in the SYSTEM TYPE field which is a read only field, may be changed, but logic internal to the program will only permit logical combinations. E.g. see Figure 2, page 7 where the AUTO BAUD + ID button has been eliminated. This is because the opcode to automatically determine this information is not available in P Protocol.

In Figure 3, page 7 shows the results of using the AUTO BAUD + ID button and identifying a Spectra IV, while Figure 4, page 8 shows the same for detecting an Esprit.

All of the “sliders” are active and the adjacent fields change appropriately. The slider fields follow what is found with the AUTO BAUD + ID function.

If it is desirable to **not** use the AUTO BAUD + ID function, then any of the sliders may be used to “force” choices of communications values for use. If a user gets confused as to the correct set of choices, either the DEFAULTS or RELOAD buttons may be used. The RELOAD button does a full reload of the program, while the DEFAULTS button selects a logical set of options based on the system type in the SYSTEM field. (Note that this is not the SYSTEM TYPE display on the top of the screen.)

Note that on initial load the DOWNLOAD button is “grayed out”. This is because the download process requires that valid two-way communications be established with a unit that will accept a download. However PTZ operations work normally as they can be one-way or two-way.

1.1.1 Field/Button Descriptions on the Start screen

1. Upper portion of the screen

1.1 SYSTEM TYPE line:

- 1.1.1. The Display is the result of sending a Query command to the PTZ unit. This field does not exist in P Protocol as P Protocol does not have the Query command. This is marketing’s part number for the PTZ. Possible values are:

- 1.1.1.1. Unknown PTZ: This indicates that a Query request has not been sent to the PTZ.

⁵\$Header: d:/OORMKb/Design/RCS/Dnldr.inc,v 1.2 2010-08-05 12:45:17-07 Hamilton Exp Hamilton \$

⁶\$Header: d:/OORMKb/Design/RCS/Start.inc,v 1.4 2010-08-05 15:29:14-07 Hamilton Exp Hamilton \$

- 1.1.1.2. **Searching.....**: This indicates that the Downloader is sending Query requests one at a time with all baud rates to the PTZ.
- 1.1.1.3. **Failed, re-try?**: This indicates that an attempt to identify the PTZ was unsuccessful. Sometimes this is normal due to the timing in the attached PTZ. If this happens and the AUTO BAUD + ID button is depressed again, the Downloader will recycle through the different baud rates, but with a longer time gap between each Query command. The time gap between Queries the first time through is 400 ms. Each additional time that the AUTO AUD + ID button is depressed again the timeouts are increased by 50 ms.
- 1.1.1.4. The marketing part number. Some older units may display the old engineering part number which started with PG. With the older engineering part number most details about the PTZ are not available.
- 1.1.2. AUTO BAUD + ID: This will initiate an attempt to identify the PTZ unit connected to the Downloader. If any type of unit other than a Spectra IV or Spectra III is selected, then the range of speeds used will be reduced to make the search faster.
- 1.2 BAUD line:
 - 1.2.1. Baud rates supported are:
 - 1.2.1.1. 1200 baud
 - 1.2.1.2. 2400 baud
 - 1.2.1.3. 4800 baud
 - 1.2.1.4. 9600 baud
 - 1.2.1.5. 14400 baud
 - 1.2.1.6. 19200 baud
 - 1.2.1.7. 28800 baud
 - 1.2.1.8. 38400 baud
 - 1.2.1.9. 57600 baud
 - 1.2.1.10. 115200 baud
 - 1.2.2. The display is the current baud rate to be used. It may be changed three ways:
 - 1.2.2.1. Automatically using the AUTO BAUD + ID button.
 - 1.2.2.2. By typing in the first two digits of the desired baud rate at the left side of the display field and using the return key.
 - 1.2.2.3. By moving the slider control located on the right of the window.
The slider control on the BAUD line: This follows the current baud rate as the baud rate is being automatically selected. It is also “active” in that a baud rate may be selected by clicking on the slider control and moving it horizontally to a desired baud rate.
- 1.3 ADDRESS set of fields:
 - The P Protocol address field is always one more than the D Protocol address field.
 - Only one of the address fields needs to be changed, the other will always be one larger or one smaller than a selected, or changed, value.
 - It is not possible to have the address fields be more than one address apart.
 - 1.3.1. D is the current D Protocol address.
 - 1.3.2. P is the current P Protocol address.
 - 1.3.3. There are three ways of changing the D Protocol and P Protocol address fields.
 - 1.3.3.1. Automatically by using the AUTO BAUD + ID button.

1.3.3.2. By typing in the new address desired, followed by the return key.

1.3.3.3. By using the slider to the right of these fields.

1.4 SYSTEM line:

This is the type of PTZ that the commands being used will be generated for.

The default is for the Spectra IV

The types of systems that have direct support are:

1.4.1. SPECTRA II

1.4.2. SPECTRA III

1.4.3. SPECTRA IV

1.4.4. ESPRIT

1.4.5. ESPRIT II (Future use)

1.4.6. EXSITE

1.4.7. MINI SPECTRA

1.4.8. OTHER

This value may be changed three ways:

1.4.1. By using the Query command.

1.4.2. By moving the slider control horizontally.

1.4.3. By typing in the two letters/numbers in parenthesis after the name at the left of the field and using the carriage return key.

1.5 COMx line:

This value is automatically detected when the Downloader is initialized. If more than one COM port is detected it will always be the lowest detected COM port. The COM port number must be in the range of $1 \rightarrow 16$.

The COM value may be changed two ways:

1.5.1. By moving the slider next to it horizontally.

1.5.2. Clicking on the COM number desired in the vertical list on the right hand side of the display. It is possible to select a non-existent COM port this way and care should be used.

2. Lower portion of the screen

2.1 COMM TYPE line:

The type of COMM TYPE is selected based on the SYSTEM type chosen, or by using the slider bar.

The display field is used to display the type of communications that will be used by the Downloader. There are three types:

2.1.1. RJ-45: The RJ-45 is only on the Spectra IV and Spectra III type of PTZ units. Except for some SMRs it always runs at 115,200 baud and uses RS-232 voltage levels. On the Spectra IV there is a design error on the UART and it will not operate correctly if two stop bits are selected. The Spectra III does not have this error.

2.1.2. RS-422: To use the RS-422 port an interface unit such as a PV-140 must be used to convert the PC's RS-232 voltage levels to the RS-422 levels. The Downloader always has the PC's RTS and DTR lines active to help with interface converters that are port powered.

2.1.3. RS-485: To use the RS-485 port an interface unit such as a PV-140 must be used to convert the PC's RS-232 voltage levels to the RS-485 levels. The Downloader always has the PC's RTS and DTR lines active to help with interface converters that are port powered.

2.2 PARITY: This value is defaulted to **None** as no Pelco unit, except for SMRs, uses parity. It may be changed using the slider bar. Parity types supported are:

2.2.1. NONE

2.2.2. EVEN

2.2.3. ODD

2.2.4. SPACE

2.2.5. MARK

The sixth type of IGNORE is not supported.

2.3 STOP BITS: This value is defaulted to **One** when a Spectra IV and RJ-45 COMM TYPE is selected otherwise it is set to **Two**. It may be changed using the near by slider bar. Stop bit counts supported are:

2.3.1. ONE Required with the Spectra IV and its RJ- 45 port only. May be used elsewhere.

2.3.2. TWO

2.4 PROTOCOL: This is the communications protocol to be used. It is defaulted to D Protocol as of the two common types of PTZ protocols used at Pelco, it is the most capable. It may be changed with the slider bar to P Protocol. If this is done then the AUTO BAUD + ID button, etc is eliminated and the DOWNLOAD button is grayed out since these features are not available in P Protocol.

3. Buttons at the lower part of the screen:

3.1 RELOAD: Will reload the full Downloader. This is sometimes useful if an operator gets the values in the rest of the screen totally messed up.

3.2 DEFAULTS: Will help an operator select values on the screen when only part of the "answers" are known.

3.3 DOWNLOAD: The DOWNLOAD button is grayed out on initial load and will stay that way until the PTZ unit is identified as being capable of being downloaded. The only way to do this is by using the AUTO BAUD + ID button. The DOWNLOAD is always grayed out in P Protocol mode.

3.4 EXIT: Returns to the operating system.

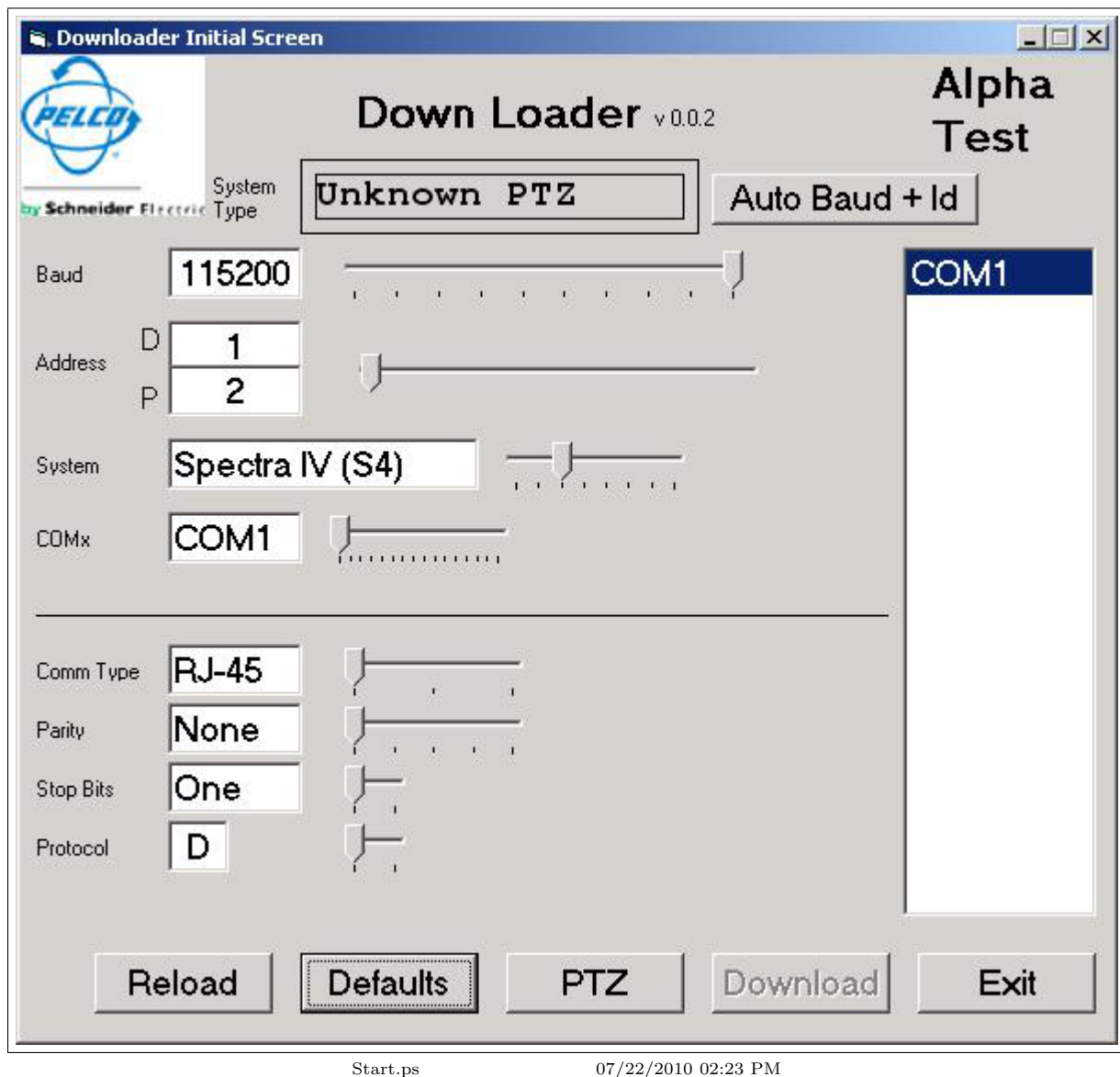


Figure 1: Default Start Screen

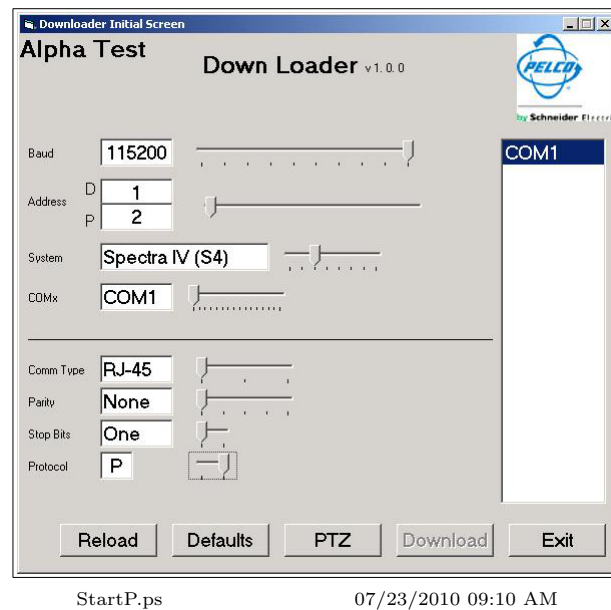


Figure 2: Start Screen with P Protocol selected

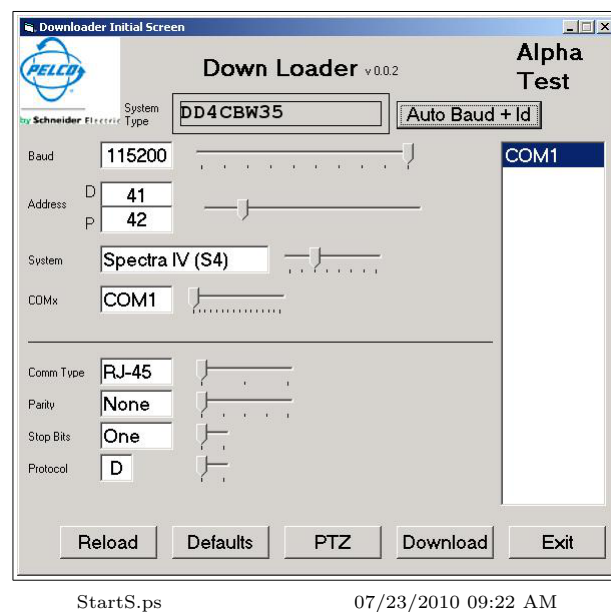


Figure 3: Start Screen for a “found” Spectra IV

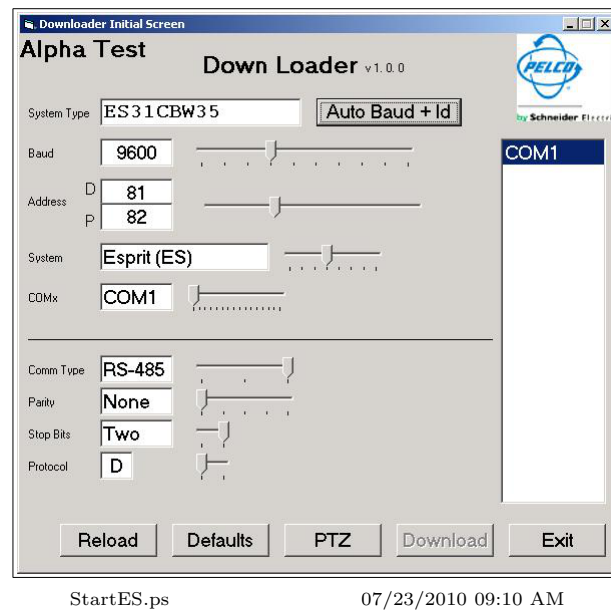


Figure 4: Start Screen for a “found” Esprit

1.2 The Download Screen

The download screen is used to monitor the progress of a download action. It has several useful fields:

1. Upper area:

1.1 SYSTEM TYPE: This is the system type read-only data from the START screen.

1.2 An unlabeled field just under the SYSTEM TYPE field: This is a general use download progress status message.

2. Left hand side area:

2.1 TIMEOUTS: This is a count of the number of timeouts that has occurred in this download. Messages that are timed out will be resent a total of ten times, on a message by message basis. If the resend counter counts out, then the download sequence will be terminated. Each retransmission has a 25 ms delay before retransmission occurs.

2.2 COMM EVENTS: This is a count of the number of communications events that have occurred in this download. Most of these will be a LNACK type which requires a resending of the message. Each message will be resent a maximum of 10 times. If the resend counter is exceeded, on a message by message basis, then the download sequence will be terminated.

2.3 Unlabeled field near COMM EVENTS: This is the most recent error that has been detected or sent by the downloaded device. The following codes are used:

T	—	Timeout
1	LACK	Acknowledgment
2	LNACK	Negative acknowledgement. May indicate a bad received checksum or an invalid or out of sequence message.
3	LCCHAN	Clear Channel
4	LCONT	Continue download, ExSite only
5	LDONE	All done, ExSite only
Error codes		
129 ₁₀	LERASE	Erase failure (0x81)
130 ₁₀	LWRITE	Write failure (0x82)
131 ₁₀	LALLOC	Memory allocation failure (0x83)
132 ₁₀	LCOMM	Communications failure (0x84)
133 ₁₀	LTERM	Termination request (0x85)
134 ₁₀	LCHIP	Invalid chip ID (0x86)

2.4 MESSAGES SENT: This is a count of the “good” messages sent. When retransmission of messages is done, the retransmitted messages are not counted.

2.5 ERROR RATE %: This the result of adding the COMM EVENTS and TIMEOUTS together and dividing the sum by the MESSAGE COUNT field. Then multiplying the result by 100.

2.6 MSG/SEC: When started this field will “hunt” for a few seconds, then as the download process progresses, it will stabilize at some value determined by the current baud rate and the current error rate. Most download records are the same size, so the length of each download record does not affect this field as much as might be expected.

2.7 ADDRESS: This is a read only field that is established on the START screen before entry here.

⁷\$Header: d:/OORMKb/Design/RCS/DownLoad.inc,v 1.8 2010-08-05 11:32:41-07 Hamilton Exp Hamilton \$

2.8 BAUD: This is a read only field that is established on the START screen before entry here.

3. Central area:

3.1 DOWNLOAD START TIME: Self explanatory

3.2 DOWNLOAD END TIME: This field is updated each second the download process runs. It will thus be the ending time of the download process.

3.3 DOWNLOAD SECONDS: This is an incrementing counter that displays the duration of the current download in seconds.

3.4 DOWNLOAD FILE SIZE, BYTES: This is the raw length of the download file on the disk. When messages are sent to the download target, one extra byte is added to each message as a terminator byte.

3.5 TOTAL BYTES SENT: How many bytes were in the messages sent to the Spectra. This may end up being longer than the file size because it includes the end of line character, etc.

3.6 BYTES/SEC: This is an average of the total number many bytes are being sent per second.

4. Lower area:

4.1 Upper screen width display box: This is the name of the file being downloaded. It is also used as an error/status display. When the download is complete, it will display "Download done". When an abnormal exit is made, the reason will be displayed here.

4.2 Between the two screen width displays there is a progress bar that indicates the approximate percentage of the file that has been successfully downloaded. (Difficult to see on a B+W printout of the screen.)

4.3 Lower screen width display box: In this location an ASCII display of the message being sent to the PTZ is displayed.

4.4 PTZ button: Calls the PTZ screen for configuration of the PTZ unit.

4.5 RETRY button: Allows additional downloads to be attempted. Note that most of Pelco's downloadable PTZ units will attempt to continue a download sequence when data is not given to them quickly enough. Using this button will force the time between data deliveries to be so long (15 seconds) as to cause the downloaded unit to exit Download mode. When using this button a 15 second delay is intentionally inserted in to the start of the delay process so that the downloaded unit may recover and get to "initial state".

4.6 RETURN button: Returns the user to the screen that called the download screen.

4.7 EXIT button: Self explanatory, returns to Windows.

When called, the downloader screen will automatically bring up the Figure 6, page 12 dialog as provided by Microsoft for selecting a file to download with.

Download v0.0.2 **Alpha Test**

by Schneider Electric System Type **DD4CBW35**

0 Timeouts **No file name selected**

0 Comm Errors

0 Messages Sent

0.00 Error Rate %

0 Msg/Sec

41 Address

115200 Baud

Download StartTime **6:57:06 AM** Download file size, bytes **0**

Download End Time **6:57:06 AM** Total Bytes Sent **0**

Total Download Time **0** Bytes/Sec **0**

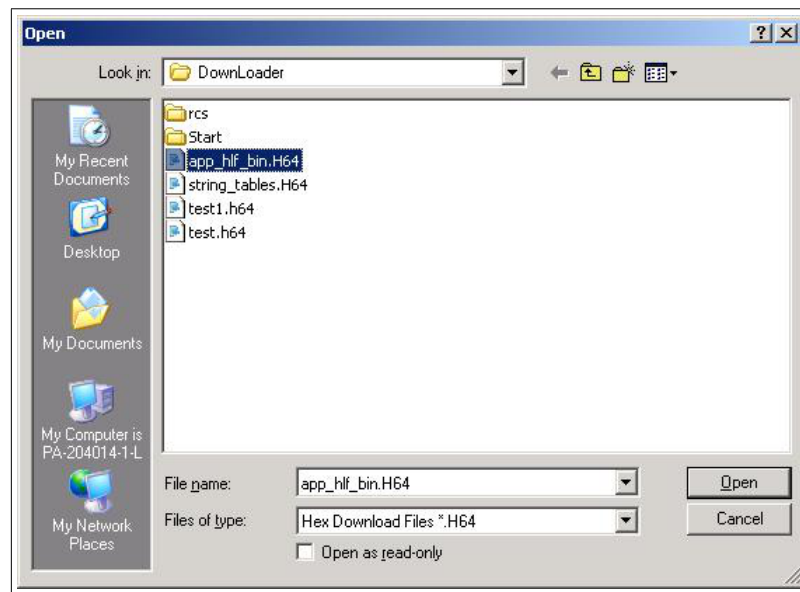
Download File Name

Displays data being downloaded

PTZ **Retry** **Return** **Exit**

Download.ps 07/23/2010 09:10 AM

Figure 5: Download Screen



FileSelect.ps

07/23/2010 11:40 AM

Figure 6: File Select

1.3 The PTZ Screen

The PTZ Control screen has the following fields:

1. Upper area:

- 1.1 An unlabeled field at the top: This is the device type being worked with if it has been identified by using the AUTO BAUD + ID button on the start screen. Otherwise it displays **Unknown PTZ**. The contents of this field are for information only and do affect any of the operations on this screen.

2. Left hand area:

- 2.1 TIMEOUTS: Number of time outs while using this screen. May be cleared by using the CLEAR ERRORS button.
- 2.2 CHECKSUM ERRORS: Number of checksum errors detected on the replies from the PTZ. May be cleared using the CLEAR ERRORS button.
- 2.3 COMMANDS SENT: This is the total of all commands sent with this screen. May be cleared by using the CLEAR ERRORS button.
- 2.4 ERROR RATE %: This is the percentage of errors detected during while using this screen. May be cleared by using the CLEAR ERRORS button
- 2.5 CLEAR ERRORS: This button is used to clear the current error counters, commands sent counter and start the error rate at 0.
- 2.6 ADDRESS: This is the address of the PTZ being used.
- 2.7 BAUD: This is the baud rate being currently used.
- 2.8 PROTOCOL: This is the current protocol being used. It will be either D or P.

3. Central area:

- 3.1 OPEN: There are three buttons that send an IRIS OPEN and a stop command when released command to the PTZ. The two upper locations are there to make navigating in the PTZ's menu system easier. All send the same commands.
- 3.2 LEFT: This button sends a Pan Left command to the PTZ when pushed and a stop command when released.
- 3.3 OPEN: The second IRIS OPEN command button.
- 3.4 UP: This button sends a Tilt Up command to the PTZ when pushed and a stop command when released.
- 3.5 STOP: This button send a Stop command to the PTZ when pushed and a second stop command when released.
- 3.6 RIGHT: This button sends a Pan Right command to the PTZ when pushed and a stop command when released.
- 3.7 DOWN: This button sends a Tilt Down command to the PTZ when pushed and a stop command when released.

⁸\$Header: d:/OORMKb/Design/RCS/PTZ.inc,v 1.4 2010-08-04 10:51:03-07 Hamilton Exp Hamilton \$

3.8 PAN SLIDER: The pan slider is used to send variable speed Pan commands to the PTZ unit. It will send a Stop command when released. It is possible to send too many commands at a time to the PTZ unit with this slider. (This is a known problem with no known fix.)

When released the slider will **automatically move to the center** of its travel. See the TILT SLIDER description for more. This is intentionally done to get user feed back to determine which behavior is preferred.

3.9 TILT SLIDER: The pan slider is used to send variable speed Tilt commands to the PTZ unit. It will send a Stop command when released. It is possible to send too many commands at a time to the PTZ unit with this slider. (This is a known problem with no known fix.)

When released the slider will **stay in its current position** on the slider bar. See the PAN SLIDER description for more. This is intentionally done to get user feed back to determine which behavior is preferred.

4. Lower area:

4.1 The upper of the wide empty field is marked COMMAND and is used to display the command that was being sent out.

4.2 The lower of the wide empty field is marked REPLY and is used to display the reply received.

5. Lower set of Buttons:

5.1 OPEN: This is the third of the three OPEN buttons. This time it is in a more conventional location. When released a STOP command will be sent.

5.2 CLOSE: This button sends an IRIS CLOSE command to the PTZ. When released a STOP command will be sent.

5.3 NEAR: This button sends a FOCUS NEAR command to the PTZ. When released a STOP command will be sent.

5.4 FAR: This button sends a FOCUS FAR command to the PTZ. When released a STOP command will be sent.

5.5 TELE: This button sends a TELEPHOTO IN, i.e. narrow angle of view, command to the PTZ. When released a STOP command will be sent.

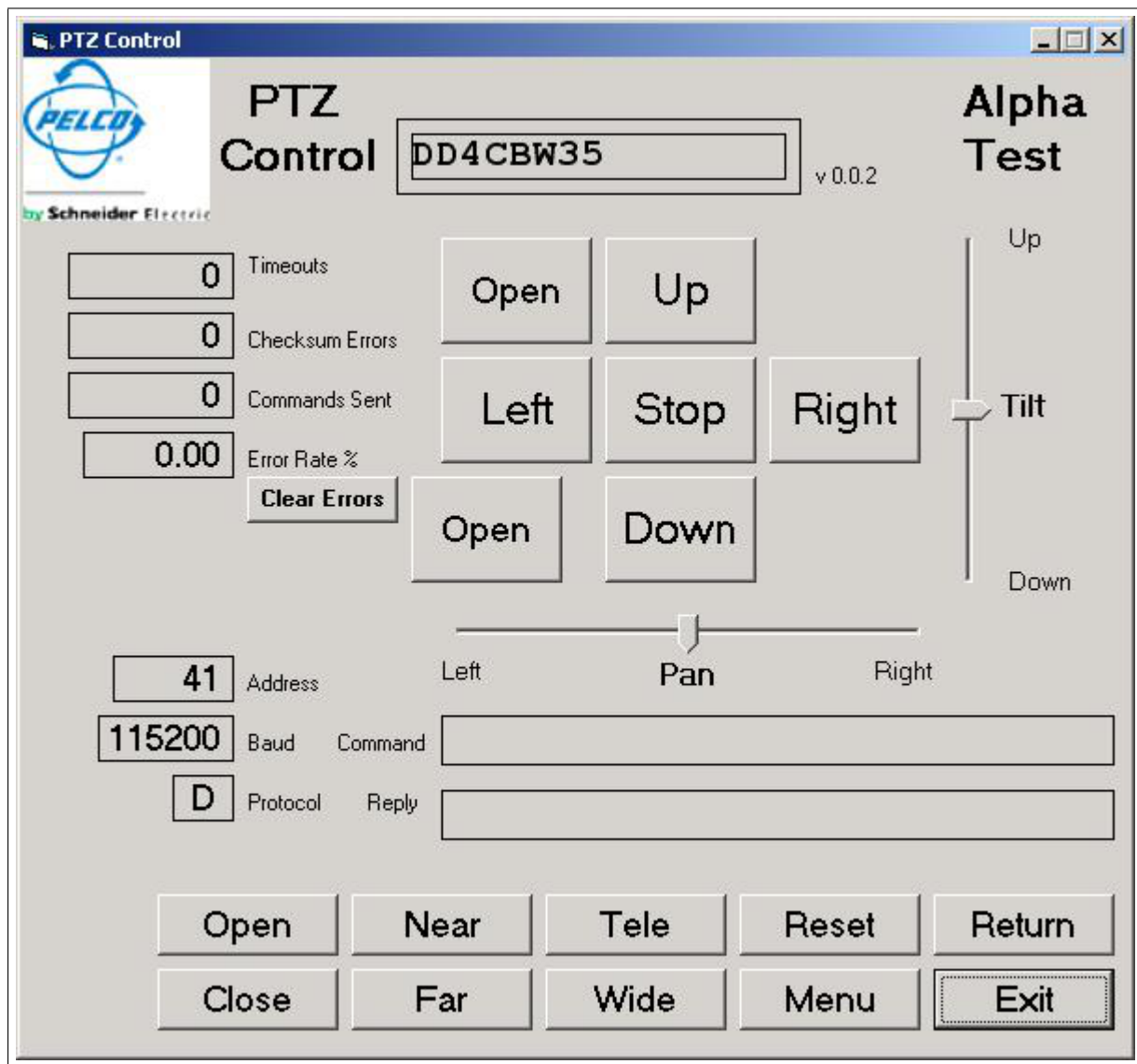
5.6 WIDE: This button sends a TELEPHOTO OUT, i.e. wide angle of view, command to the PTZ. When released a STOP command will be sent.

5.7 RESET: This button sends a RESET command to the PTZ. The command will be fully reset and go through its reboot procedure.

5.8 MENU: This button sends a PRESET SET 95 command to the PTZ when pushed and a PRESET SET 28 command when released. This is done so that if the PTZ is in "32 preset mode", it will always be possible to access the menu system.

5.9 RETURN: This button will take the user to the screen that called this one. It will be either the Start or Download screen.

5.10 EXIT: This button will return to the operating system.



PTZ.ps

07/23/2010 09:22 AM

Figure 7: PTZ Screen

2 Defaults

	Default	S2	S3	S4	ES	E2	EX	MS	OT
Address	1	←	←	←	←	←	←	←	←
Max Address	255	64	255	←	←	←	←	←	←
Stop Bits	Two	←	←	One	Two	←	←	←	←
Parity Type	N	←	←	←	2400	←	←	←	←
Baud Rate	2400	2400	115200	←	←	←	←	←	←
Low baud Rate	2400	←	←	←	←	←	←	←	←
High baud Rate	9600	←	←	←	←	←	←	←	←
Connection Type	RS-422	RS-422	RJ-45	←	RS-485	RS-422	RS-422	←	←
Download Button	Yes	No	Yes	←	No	Yes	Yes	←	←
Has Query	Yes	←	←	←	←	←	←	←	←
Protocol	D	←	←	←	←	←	←	←	←

Table 1: Default values by System Type

S2	Spectra II
S3	Spectra III
S4	Spectra IV
ES	Esprit
E2	Esprit II
EX	ExSIte
MS	Mini Spectra
OT	Other

Table 2: 2 character abbreviations for system types

12	1200
24	2400
48	4800
96	9600
14	14400
19	19200
28	28800
38	38400
57	57600
11	115200

Table 3: 2 character abbreviations for baud rates

⁹\$Header: d:/OORMKb/Design/RCS/Def.inc,v 1.1 2010-07-23 10:13:59-07 Hamilton Exp Hamilton \$

A E-mails about this project

A.1 First Alpha Test cover E-mail

1 From: Hamilton, Eric
2 Sent: Wednesday, August 04, 2010 8:36 AM
3 To: Amerson, Ed
4 Cc: Castro, Daniel; Harris, Steve; Wright, David
5 Subject: Alpha version of the new downloader
6
7 Attachments: DownLoader.exe
8
9 Hi
10
11 Here is copy of an ALPHA TEST version of the new downloader that I have
12 been working on. There are the following known problems in this version:
13
14 1. May not install.
15
16 2. "Tab Order" is incorrect.
17
18 3. Selecting "Cancel" in the "Open" dialog results in bad data being
19 sent, sometimes.
20
21 4. Program exits when the com line is disconnected. It should try to
22 recover for a bit. It actually makes seven tries and then quits. Seven
23 tries at 115200 baud is a short time.
24
25 5. The RJ-45 port is the only way to currently make a download. The RS-
26 422/RS-485 works normally in all known other cases.
27
28 6. Others? Yep, I just don't currently know what they are.
29
30 Have fun! And give me some non-physical feedback. (Please do not come in
31 my cube with a baseball bat, etc.)
32
33 bye.....eric
34 559-292-1981 x3375
35

A.2 Request for test PCs

1 From: Wright, David
2 Sent: Tuesday, July 20, 2010 1:55 PM
3 To: Manjal, Miki; Fairchild, Troy; Lucero, Mario
4 Subject: RE: Request for a temporary set of loaner computers
5
6 All,
7
8 Ed Amerson did some preliminary testing on a C++ version of the RMK for
9 PC. I am sure he had some type of test plan, formal or informal.
10
11 The version that Eric needs to have tested is a Visual Basic version, and
12 should follow the same operational type testing at a high level. The
13 user screens have changed dramatically.
14
15 David
16
17
18 -----
19
20 From: Manjal, Miki
21 Sent: Tuesday, July 20, 2010 1:46 PM
22 To: Fairchild, Troy; Lucero, Mario
23 Cc: Wright, David
24 Subject: Re: Request for a temporary set of loaner computers
25
26 Troy,
27
28 We'll talk when I get back to B7 at about 2-2:15.
29
30 Miki
31
32
33 On 7/20/10 1:31 PM, "Troy Fairchild" <tfairchild@pelco.com> wrote:
34
35 We should probably have your team do the initial testing first on the PCs
36 we have available here. Once the we are comfortable with the test plan,
37 then we can send it to nResult.
38
39
40 -----
41
42 From: Lucero, Mario
43 Sent: Tuesday, July 20, 2010 1:32 PM
44 To: Fairchild, Troy
45 Subject: RE: Request for a temporary set of loaner computers
46

47 How soon do you need it? Since we haven't gotten any code for the RMK PC
48 yet we haven't built one for it. It'll take a few hours to set up, but I
49 could have it as soon as tomorrow morning.

50

51 Mario Lucero
52 SQE - Engineering and Product Development
53 Team Lead 3 - OEM & Atlas products
54 (559) 292-1981 x 4353

55

56

57 -----

58

59 From: Fairchild, Troy
60 Sent: Tuesday, July 20, 2010 1:21 PM
61 To: Lucero, Mario; Manjal, Miki
62 Subject: RE: Request for a temporary set of loaner computers

63

64 I will need a copy of your test plans for the PC version of the RMK.

65

66

67 -----

68

69 From: Lucero, Mario
70 Sent: Tuesday, July 20, 2010 1:19 PM
71 To: Fairchild, Troy; Manjal, Miki
72 Subject: RE: Request for a temporary set of loaner computers

73

74 I don't have a need for it right now, but it's good to keep in the hip
75 pocket.

76

77 Miki?

78

79 Mario Lucero
80 SQE - Engineering and Product Development
81 Team Lead 3 - OEM & Atlas products
82 (559) 292-1981 x 4353

83

84

85 -----

86

87 From: Fairchild, Troy
88 Sent: Tuesday, July 20, 2010 12:45 PM
89 To: Manjal, Miki; Lucero, Mario
90 Subject: FW: Request for a temporary set of loaner computers

91

92 Do you want to be involved in this?

93

94

95 -----
96
97 From: Fairchild, Troy
98 Sent: Tuesday, July 20, 2010 12:42 PM
99 To: Hamilton, Eric; Wright, David
100 Cc: Compton, Shane
101 Subject: RE: Request for a temporary set of loaner computers
102
103 DS4U is a software only version of Digital Sentry. nResult tested it for
104 us on various types of computers.
105
106 I will contact Keith Meyers at nResult and have him give us a quote for
107 testing the PC downloader software on various machines. I will only have
108 them test it with the Spectra.
109
110 Eric, put in an e-req for Mini-Spectra and ExSite cameras that you need.
111
112
113 -----
114
115 From: Hamilton, Eric
116 Sent: Tuesday, July 20, 2010 9:31 AM
117 To: Wright, David; Compton, Shane
118 Cc: Fairchild, Troy
119 Subject: RE: Request for a temporary set of loaner computers
120
121 Hi
122
123 They are in Washington state. What is a DS4U?
124
125 bye.....eric
126 559-292-1981 x3375
127
128
129 -----
130
131 From: Wright, David
132 Sent: Tuesday, July 20, 2010 9:29 AM
133 To: Hamilton, Eric; Compton, Shane
134 Cc: Fairchild, Troy
135 Subject: RE: Request for a temporary set of loaner computers
136
137 It looks like nresult also provides lab space. As an option, we could
138 take PTZ devices there, and test them in their lab.
139
140 When you did the DS4U, did you send any cameras there for testing of
141 video reception?
142

143
144 -----
145
146 From: Hamilton, Eric
147 Sent: Tuesday, July 20, 2010 9:17 AM
148 To: Compton, Shane; Wright, David
149 Cc: Fairchild, Troy
150 Subject: RE: Request for a temporary set of loaner computers
151
152 Hi
153
154 I just called nresult and verified that that they have no PTZ devices.
155 They only have "normal" peripherals.
156
157 As an additional issue, I will be needing a working Mini Spectra (my
158 current one is questionable) and an ExSite. It would be good if I had a
159 fixed and non-fixed versions of the ExSites. (And it would be best if
160 they had different camera models in them.)
161
162 bye.....eric
163 559-292-1981 x3375
164
165
166 -----
167
168 From: Compton, Shane
169 Sent: Tuesday, July 20, 2010 8:28 AM
170 To: Hamilton, Eric; Wright, David
171 Cc: Fairchild, Troy
172 Subject: RE: Request for a temporary set of loaner computers
173
174 Eric, David and Troy,
175
176 This sounds like the perfect test case for nresult. We used them in the
177 past to test BOSS and most recently DS4U. They can test hundreds of
178 hardware and software configurations in a very short period of time.
179
180 Check it out their website. <http://nresult.com> <<http://nresult.com/>>
181
182 If we can define the test plan then we should consider using them.
183
184 Shane
185
186
187 -----
188
189 From: Hamilton, Eric
190 Sent: Tuesday, July 20, 2010 8:08 AM

191 To: Wright, David
192 Cc: Fairchild, Troy; Compton, Shane
193 Subject: Request for a temporary set of loaner computers
194
195 Hi
196
197 I am just about to get to the point where I will need some "different"
198 computers to test the PC version of the the RMK on. What I need is
199 computers that are similar to those that a customer might have. Because
200 some of the testing will involve verifying that the install process is
201 correct I believe that I will need the following:
202
203 1. A "Plain Jane" type of XT computer. This must be easily reloaded as a
204 "clean" system so that I can verify that my install process works
205 correctly and that I am not using, by accident, some "left over" DLLs
206 from a previous install.
207
208 2. As above but this should be a computer running Vista.
209
210 3. Any other PC computer type that customers might be using in the field.
211 Right now I believe that XT and Vista should cover all of them, but who
212 knows?
213
214 None of these computers will be installed on Pelco's network and should
215 not have any of the "spy ware" and heavy level of virus protection that
216 is normally installed on our "normal" computers.
217
218 Because of the possibly frequent rebuilding of the these computers I must
219 have full admin rights on them.
220
221 I have several USB --> RS-232 adapters to use with these computers so I
222 don't think that I'll need any more of them.
223
224 My current schedule will have to slip starting about the 22nd (Thursday)
225 of this month if I don't have at least one of them to test with.
226
227 I have been using a pair of "contaminated" computers here and need a
228 "clean" one for testing. (I have Dan Perrin's and my old computers, but
229 they are not clean and both have a bunch of stuff that might be needed on
230 them.)
231
232 I estimate that I will need the test computers for several days and, if I
233 am unlucky, for maybe a week or more.
234
235
236 bye.....eric
237 559-292-1981 x3375
238

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