



Setting up Instem Provantis® with the CODE 1500 Scanner

The instructions below will help you setup Provantis for use with the RapID Tag. More information may be found on the RapID Lab website: <u>www.rapidlab.com/support</u>. First, make sure that you have your CR1500 scanner set up as a Virtual COM Port.

Setting up CODE CR1500 Scanner for RapID Tags as a Virtual COM Port

The instructions below will help you download and install the CODE Virtual COM Port Drivers and program your CODE Scanner. More information may be found on the RapID Lab website: http://rapidlab.com/scanner-and-software-support/

A. Install the correct USB Virtual COM Port driver for your system:

- a. Visit the following link to see all products. <u>https://ww2.codecorp.com/downloads.php</u>
- b. Click on the correct product to view available firmware and software downloads.
- c. Scroll to the bottom of the page and check the agreement box for the correct firmware or driver and click on the download button.
- d. Once the driver has installed, restart your computer.

B. Reset the Scanner:

- a. Unplug the CODE CR1500 from the PC.
- b. While holding the trigger pressed, plug the reader into the USB port on the PC and hold for 5-10 seconds. You will hear 5 rapid beeps and then you can let go of the trigger. The unit is now in Boot Mode.
- c. Next, **hold the trigger down again** for approximately 5-10 seconds until it reboots. The reader will vibrate first and then beep several times and is now reset.
- C. Reprogram the scanner:
 - a. Scan the codes below to reprogram your scanner.



Additional optional codes on the following page below.

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Optional Codes:

1. Continuous Scan On



M20224_01

2. 1 Second Duplicate Scan Delay



M20230_01

3. 3 Second Duplicate Scan Delay



M20232_01

4. Disable Duplicate Scan Delay



M20229_01

1. This code allows for continuous scanning on your CR1500.

2. This code creates a 1 second delay between scans.

3. This code creates a 3 second delay between scans.

4. This code disables duplicate scanning.



Continuing with Setting Up Instem Provantis®

- 1. Open Device Manager:
 - a. **Windows XP** Click on Start and then Control Panel. Click on the Performance and Maintenance link. In the Performance and Maintenance window, click on the System icon near the bottom of the window. In the System Properties window, click on the Hardware tab. With the Hardware tab selected, click on the Device Manager button.
 - b. **Windows 7** Click on the start menu and type 'Device Manager' into the search field. Hit Enter to open device manager.
- 2. Click on Ports (COM & LPT) to view the current Ports in use on your computer.
 - a. Take note of the USB to Virtual COM Port that is shown. See Figure 1 below for an example. Note: Your scanner must be identified as COM1, COM2, or COM3

🚔 Device Manager
File Action View Help
🖌 🏯 labelmaker
🛛 🔊 Batteries
⊳ 📲 Computer
Disk drives
b Display adapters
>
b - c → L → L → L → L → L → L → L → L → L →
S
N Mice and other pointing devices
Modems
Monitors
> 🚱 Network adapters
PCMCIA adapters
Final Portable Devices
a 🦈 Ports (COM & LPT)
Communications Port (COM1)
USB to Virtual COM Port (COM)
Processors N
> Sound, video and game controllers
⊳ System devices
D - Universal Serial bus controllers

Figure 1: Device Manager

- 3. Leave the Device Manager window open
- 4. Plug in your scanner



5. On the local PC, Navigate to Start>Programs>Provantis>Administration>Instrument Comms Interface:





6. This will open the Instrument Interface Setup page:

📲 Instru	ument Interface Setup (AUC001)	201742				
AUC	001-01/07 Provantis	- Interface Setup	18-Sep-2013			
		-beneric interface setup				
	Interface ID					
	- Communication Pa	rameters — — Instrument Output	Parameters			
	Serial Port	Output Data Lengt	h			
	Baud Rate Paritu	Result Star Result En	t U d A			
	Word Length	Data_Terminato	r,			
	Stop Bits	Initialisation Cm Acknowledge Sen	d			
		Acknowledge Receiv	e			
		nstrument Toput Parameters				
	Command Name	Command String				
	K	> <	>			
	Delete	Test	Write			
	Select Generic Interface Name					

7. Enter in Device Name. Make sure your device is connected to an available USB/serial port (COM3 in this example) and based on the instrument's recommended connection specifications; you would apply those to the AUC001 settings for your particular device:

📲 Instrur	ment Interface Setup (AUC001)		Calling Street	
AUCO	01-01/07 Provant	is - Interfac Generic Int	e Setup erface Setu	18-Se	ep-2013
	Interface ID 🕻	de Implant Sca	inne r		
	└ Communication Serial Port CC Baud Rate 12 Parity No Word Length 8 Stop Bits 1	Parameters 7 M3 200 ne	⊣Instrumer Output Da Res Data Initialis Acknow Acknowled	nt Output Parameter ata Length 16 sult Start 1 Result End 16 Terminator None sation Cmd None ledge Send None ge Receive None	5
	Command Name	Instrument In Command	put Parameto String	ers	
	Delete	Те	st	Write	
L	Select Generic Int	erface Name			



8. Perform test scan...

Instrument Interface Setup (AUC001)		
AUC001-01/07 Provantis	– Interface Setup Generic Interface Setup-	18-Sep-201
Interface ID <mark>Code</mark>	Implant Scanne r	
Communication Par Serial Port COM3 Baud Rate 1200	ameters — <mark>Instrument</mark> Output Dat Resu	Output Parameters a Length 16 1t Start 1
Parity None Word Length 8 Stop Bits 1	Re Data Te Initialisa	sult End 16 rminator None Ition Cmd None
	Acknowle Acknowledge	dge Send None Receive None
Command Name	strument Input Parameter Command String	S
K		
Delete	Test	Write
Select Generic Interf	ace Name	

9. Select Interface Type:





10. Scanned values will populate the "Last string received from the instrument" field:



11. Adjustments can be made to the Instrument Output Parameters to truncate the required string, in this case from 15 down to 6 characters:

The Instrument Interface Setup (AUC001)		
AUC001-01/07 Proventis	- Interface Setup Generic Interface Setup Implant Scanner ameters T Instrument Output Output Data Length Result Start Result End Data Terminator Initialisation Cmd Acknowledge Send	18-Sep-2013 Parameters 6 1 6 None None None None
Command Name	Acknowledge Receive strument Input Parameters Command String > <	None
Delete Select End of Result	Test Value within Output String	Write

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12. Click Test again and the proper string will appear in the result field:



13. Once the interface is completed, users can open an In life data collection session and at the subject selection screen, scan the implant/tag for the appropriate subject ID...

	0	ILT001 - Select Subject				×	
		Animal Number	1		Sex Male	ð	
		Subject Name	1		Group 1		
		ImplantNumber	AA1234		Cage 1 Rack	-	
		Alternate Physical Id			Row		
		Blind Id		c	olumn		
		Previous	Start	•	Automatic		
		Next		o	Manual		
		Help			OK Can	cel	
Study: Darshana	training study for Toxikon			User: System Manage	er 08/22/2013	9:30 AM	Data Source=T0XIK0NTRAIN;User ID=TRAIN;