

Please note that RapID Lab highly recommends upgrading to the CR1500 scanner if you haven't already. The CR1500 provides a faster and more reliable scan for your workflow.



Setting up Instem Provantis® with the CODE 1400 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: www.rapidlab.com/support.

1. Make sure you have installed the USB Virtual COM Driver for your specific system installed correctly. Please see document C4 on the Support Page for more information. (<http://www.rapidlab.com/scanner-and-software-support/>)

Setting up CODE CR1400 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: www.rapidlab.com/support

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




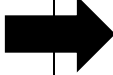

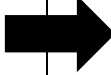





- a. Visit the following link to see all products.
<https://ww2.codecorp.com/downloads.php>
- b. Click on the correct product to view available firmware and software downloads.
- c. Scroll to the bottom of the page and check the agreement box for the correct firmware or driver and click on the download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

B. Reset the Scanner:

- a. **Unplug** the CODE CR1400 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 on the next page below to reprogram your scanner.

Required Codes:			
USB Virtual COM One Way Mode  M0005_01		Data Matrix Rectangle On  M0067_01	
		Data Matrix Inverse On  M0069_01	
Enable improved reading capability for hard to decode Data Matrix symbols  M0071_01			
Continuous Scan Both Imagers  M0127_02		Continuous Scan Off - Default  M0126_01	
This turns the scanner into a continuous scan mode that works well for hands free operation. Note that the CR1400 will enter into Continuous Scan mode by default when placed in the Scanner Stand.			
1 sec Duplicate Scan Delay  M0192_01		3 sec Duplicate Scan Delay  M0194_01	
This sets a duplicate rejection period of 1 or 3 seconds so that tags are not 'double scanned'.			

Continuing with setting up Instem Provantis®

2. 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.

3. 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**

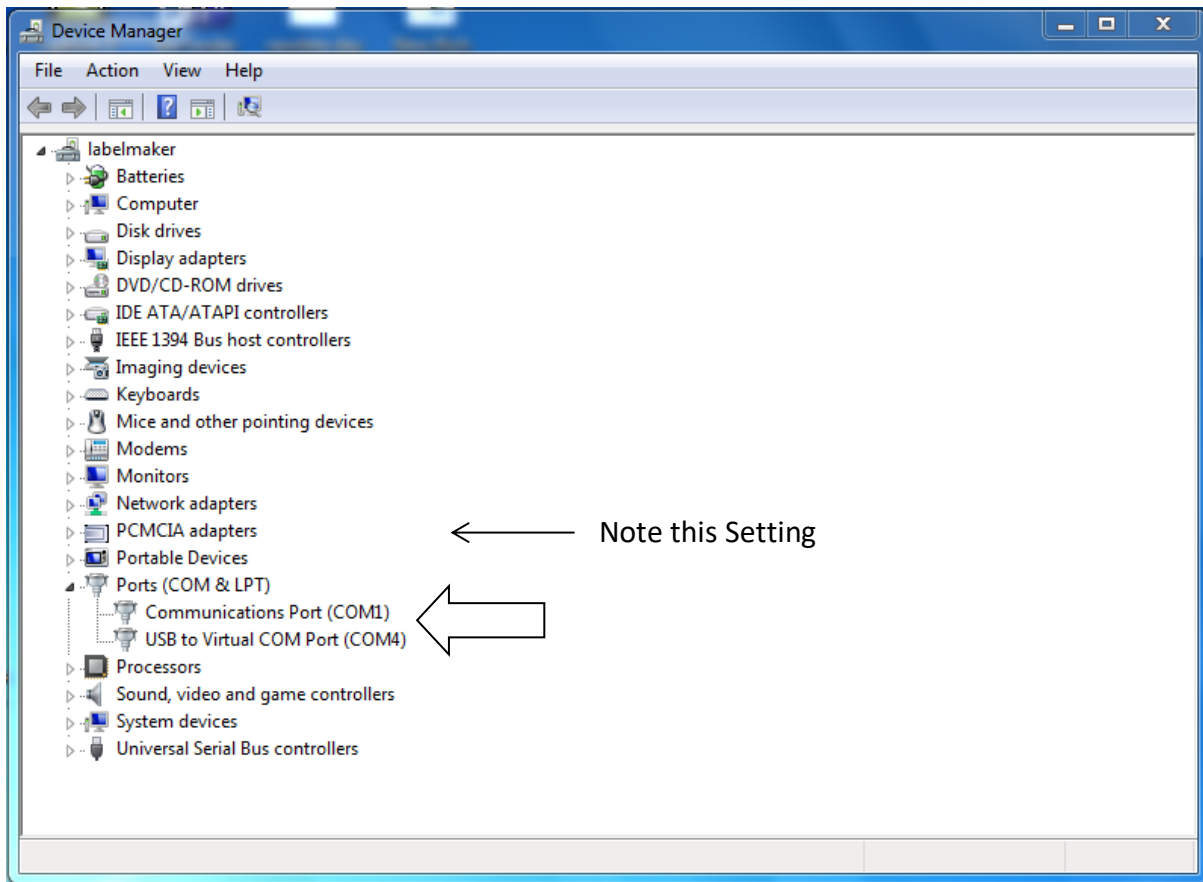
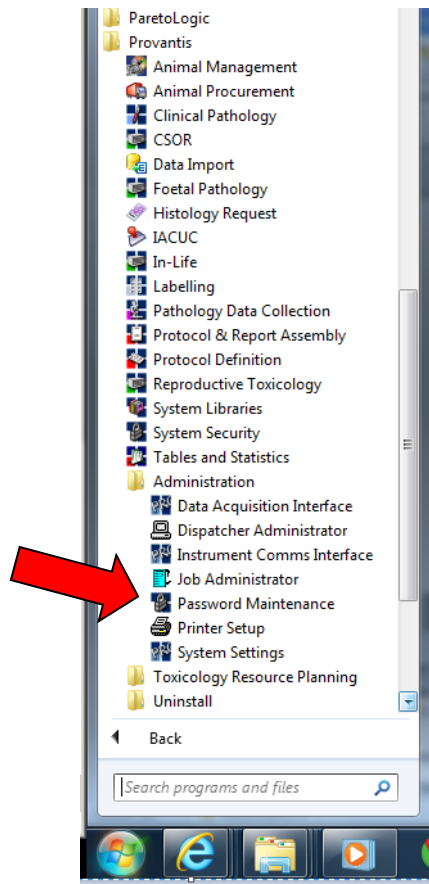


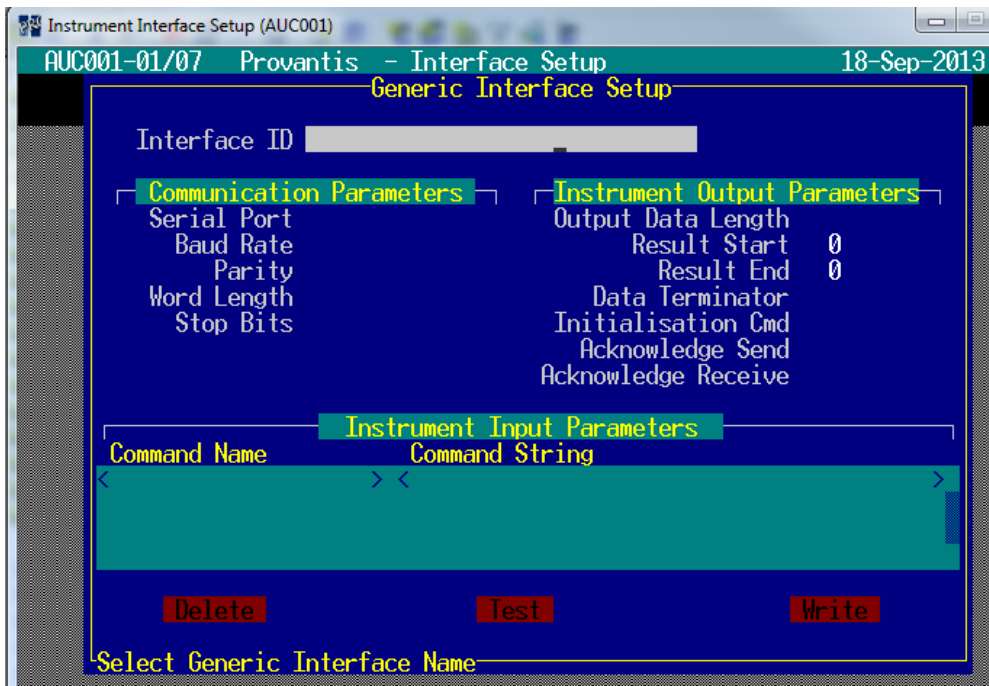
Figure 1: Device Manager

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

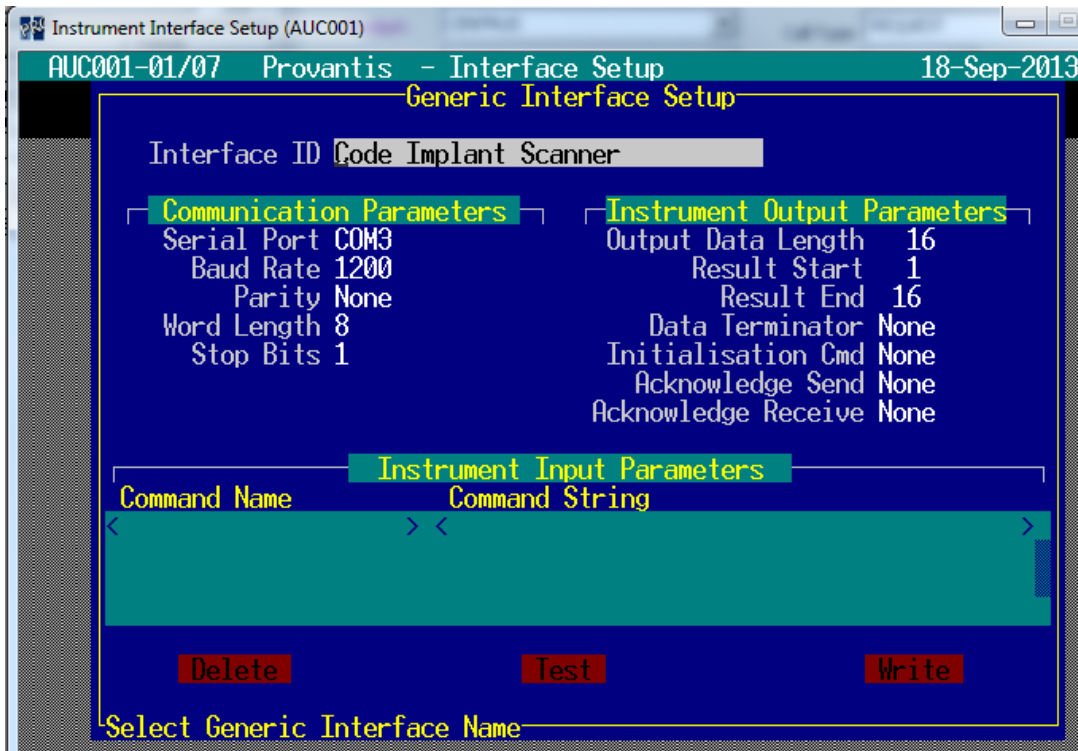
6. On the local PC, Navigate to Start>Programs>Provantis>Administration>Instrument Comms Interface:



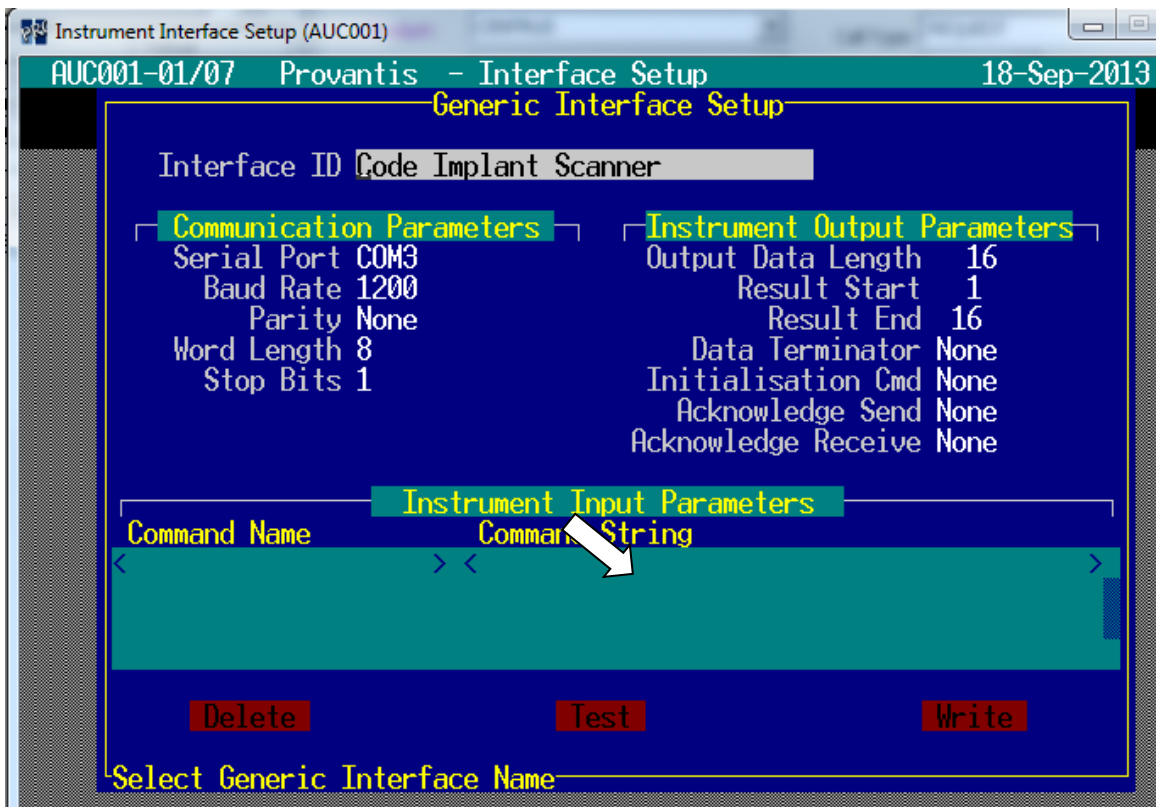
7. This will open the Instrument Interface Setup page:



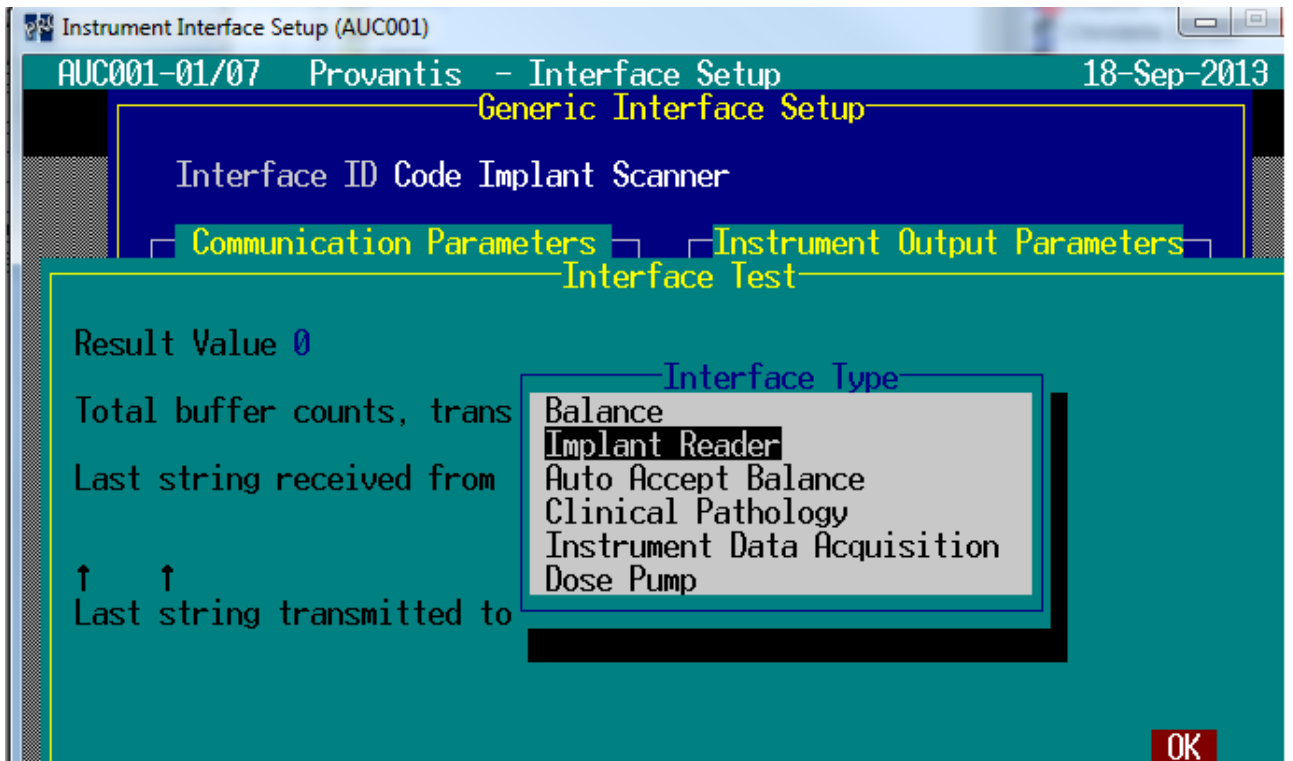
8. Enter in Device Name. Make sure your device is connected to an available USB/serial port (COM3 in this example) and based on the instrument's recommended connection specifications; you would apply those to the AUC001 settings for your particular device:



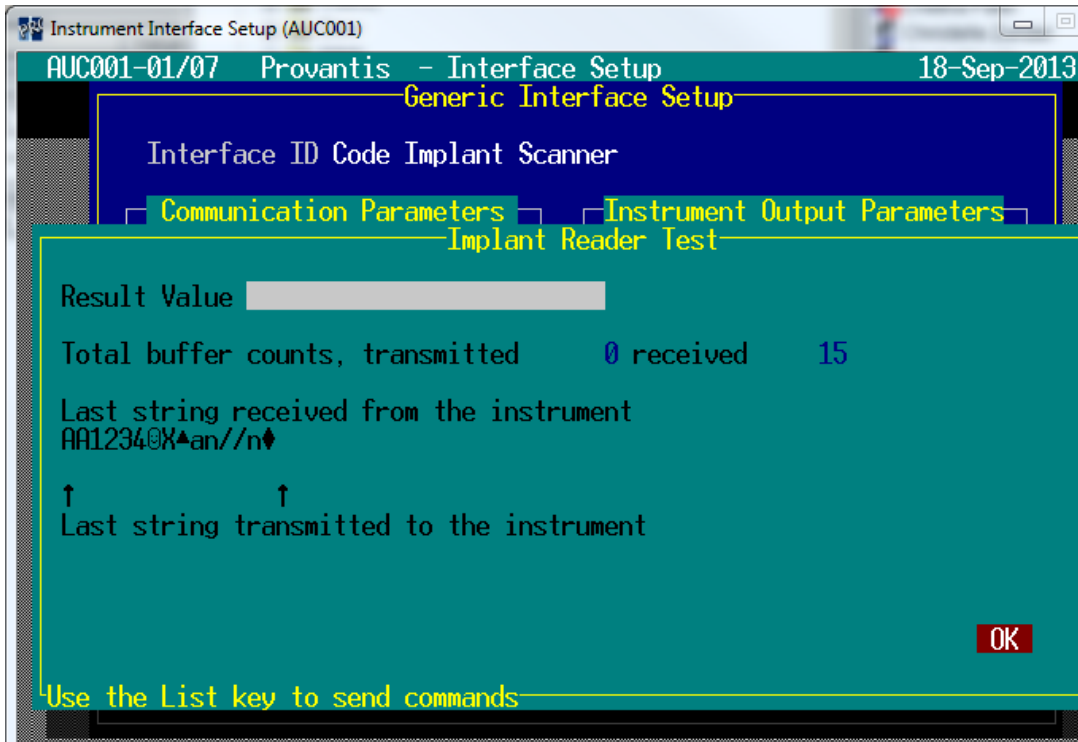
9. Perform test scan...



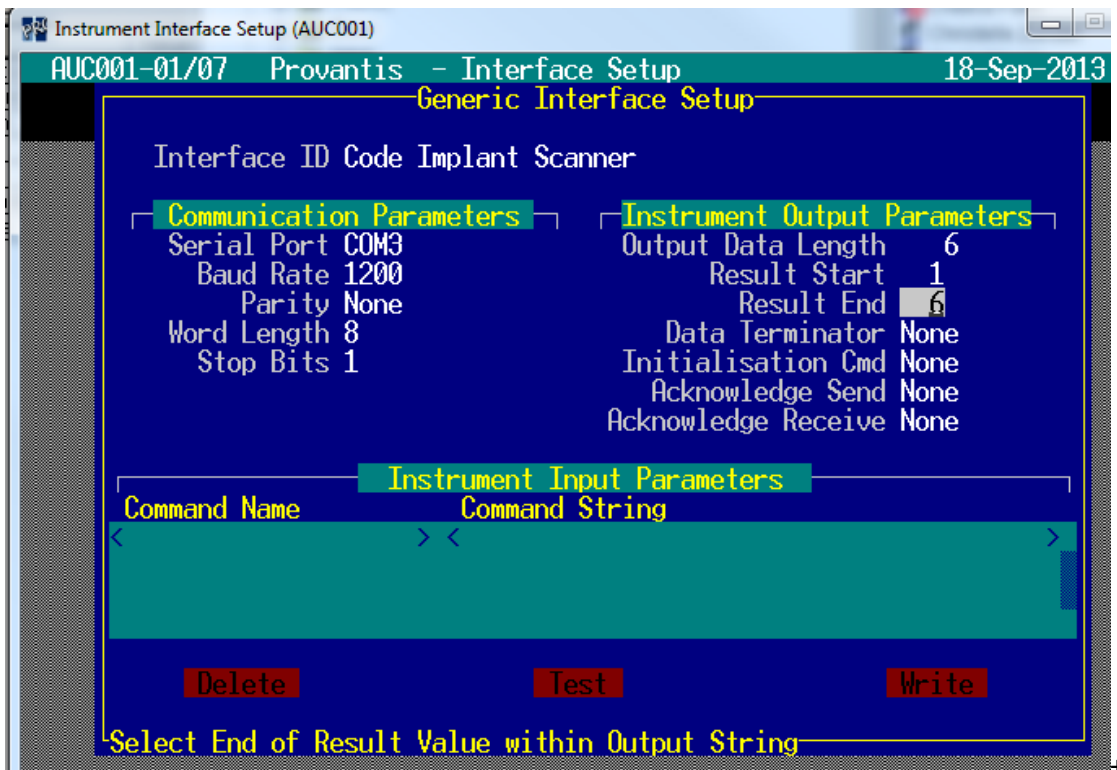
10. Select Interface Type:



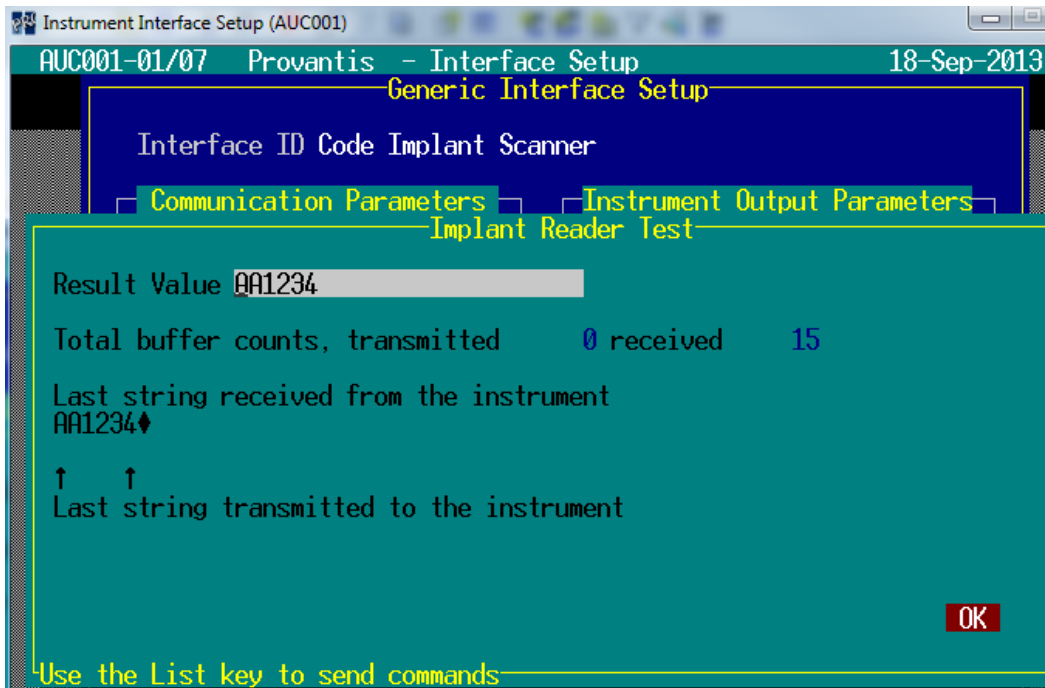
11. Scanned values will populate the “Last string received from the instrument” field:



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



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



14. 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...

