JSR **Ultrasonics**

JSR Common API Release Notes
Version 1.3.0.0, March, 2011

Imaginant Products Supported:

DPR300 (Newly Supported) (RS-232 via COM port)
DPR500 (RS-232 via COM port or USB dongle)
PRC50 (PCI bus)

Operating System Support:

Windows 7 (32 bit and 64 bit): Fully Supported
Windows Vista (32 bit): Fully Supported
Windows Vista (64 bit): Compatible
Windows Embedded (32 bit and 64 bit): Compatible
Windows XP (32 bit and 64 bit): Fully Supported

File versions in this release:

JSR_Common3232.dll	1.3.0.0
JSR_Common3264.dll	1.3.0.0
JSR_Common6464.dll	1.3.0.0
PRC50 Firmware	1.0.1.25 (not changed)
JSR_Simple_ActiveX.dll	1.1.3.1
JSR Control Panel	3.3.0.0
DPRIO3.dll	3.0.3.2

New features:

• Support for 64 bit and 32 bit Windows XP, Windows Vista, and Windows 7. Each configuration, 32:32, 32:64, and 64:64 requires using a specific set of PRC50 driver files. This caused us to eliminate using the file name JSR_Common.DLL and replace it with JSR_Common3232.DLL, JSR_Common3264.DLL, and JSR_Common6464.DLL. See the JSR Common API Programmers' Reference Manual for details.

• DPR300's are supported. Any combination and quantity of DPR300, DPR500 and PRC50 pulser-receivers can be controlled through the API simultaneously.

• ActiveX support for the SDK simplifies interfacing with Visual Basic, C#, and C++ applications. The C API of the older DLL functions still installs and will continue to be supported.

Known Issues:

• During installation, the C:\JSR_SDK\ folder will get overwritten with new files and a new directory structure. If you had previously installed an older version, you should rename or delete C:\JSR_SDK\ before running the installer to prevent having both old and new files in the same folder.

• The PRC50 drivers may not uninstall properly. Use Windows Device Manager to manually uninstall the "Jungo WinDriver" and "JSR Ultrasonics PRC50" drivers. Run the uninstaller, then manually uninstall the drivers, before rerunning the installer.

JSR Common API Release Notes
Version 1.3.0.0, March, 2011

- The PRC50 properties JSR_ID_InstrumentPCISlot and JSR_ID_ChannelDescription will report slot 0 rather than the actual slot if that feature is not supported by the mother board hardware, the mother board BIOS, or mother board drivers. See the JSR Common API Programmers' Reference Manual for details.

- The RP-U4 Remote Pulser can only be set up to 20 KHz PRF, but the hardware is capable of a PRF to 50 KHz. External triggering works fine up to 50 KHz.

- Some USB/RS-232 dongles have driver compatibility problems on Windows Vista. This is not caused by the JSR instruments or software but can prevent proper control.

- DPR300 only: Control using a USB/RS-232 dongle will intermittently fail. The use of USB/RS-232 dongles with the DPR300 is not recommended and not supported.

- DPR300 only: The pulser voltage and pulser PRF controls are limited to16 values which match the rotary switch selections on the front panel of the manual DPR300 units. The software will set and display the closest available value to the one selected.