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## The XID Command Set

**XID** stands for **eX**perimental **I**nterface **D**evice. This intelligent technology was developed specifically to operate devices used in experimental psychology and other research disciplines that require that participants respond, e.g. response pads and voice key devices.

This technology made a quiet debut in April 2002 with the introduction of the [Lumina LP-400](#) MRI response pads. This was followed by the [SV-1](#) voice key device in May 2003 and is being gradually implemented on other Cedrus products.



## Features Highlight

XID provides several features designed exclusively to meet the needs of researchers, including:

- **Timers:** Built-in experiment-wide and reaction time timers make it possible for the software application to present visual stimuli asynchronously and without having to worry about keeping an eye on the input device. Built-in timers also help overcome timing issues in personal computers' operating systems.
- **Universal Support:** XID devices communicate with personal computers using one of four different protocols to support all the leading software packages including E-Prime, Inquisit, MEDx, Presentation, and SuperLab.
- **Flexible I/O:** All XID devices feature an Accessory Connector that provides up to six I/O lines that are highly configurable.
- **Port Testing Procedures:** Two testing procedures are included with each XID device to help estimate delays sometimes found when sending and receiving information between the device and the personal computer.

XID provides other [miscellaneous features](#) as well such as the ability to download updates to the device without having to replace the microchip and the ability to lock the device's manual controls to prevent accidental changes during an experiment or a session.

## About This Section

This section of Cedrus' web site is intended for programmers who want to write their own software to interface with XID devices. The navigation bar on the left hand side is organized by general area, e.g. [voice key](#), [timing](#), [Accessory Connector](#), and so forth.