

## The Interactive Control Vinyl aka **IDVS+**

(Interactive Digital Vinyl System) is a DJ control system for turntables. These systems are commonly known as DVS (Digital Vinyl System). The IDVS+ is a battery-powered DJ controller designed to control audio programs\* on a computer. It looks like a vinyl record. When placed on a rotating turntable, it detects the speed and direction of rotation. This information is then transmitted wirelessly to the computer, which in turn plays audio files accordingly. The record needle is obsolete. The actual music is played by the computer.

The innovative and new features of the IDVS+ are its 12" vinyl design and its touch screen surface. It can display playback information and control interfaces. This surface also allows multi-touch inputs for interactive handling of these control interfaces and thus real-time interaction with linked DJ programmes. Different user interface MODES on the IDVS+ provide multiple solutions for interacting with different control parameters. The IDVS+ thus replaces the mouse, allowing the user to directly control audio programmes directly on the turntables without attending the computer. The computer acts as a remote playback device in the background.

The IDVS+ takes advantage of digital tools and content while retaining the analogue and tactile feel of a record on a turntable. Provided that the connected audio applications support these functions, playback functions such as PLAY/PAUSE, rewind, skip, scratch, as well as navigation and music selection, can be performed by rotating the IDVS+ on the turntable or using swipe and touch gestures. Even complex functions such as controlling equalisers, effects, key and much more can be performed on the IDVS+ with the appropriate UI MODE. The IDVS+ sets a new standard for intuitive and interactive control of digital content on analogue turntables for DJs.

The IDVS+ displays track information, as well as controls and user interfaces of connected DJ applications on its touchscreen.

The music played on the computer is controlled by the position and rotation speed detection of the IDVS+ sensors and the inputs made on the touchscreen.

The manual inputs made on the IDVS+ are sent to the computer where they are processed in real time.

The computer in turn sends information such as album covers, track information and interactively changing control parameters to the IDVS+, which then displays them in real time.

If required, static images are displayed on the IDVS+ by means of visual counter-rotations - relative to the turntable's rotation speed.

In a final version, the IDVS+ will function as a self-contained playback device, allowing wireless audio transmission and playback from an integrated hard drive and cloud.

\* for example: Traktor Dj, Serato, Rekordbox and many more as soon as they support IDVS+ functions

For more information please visit [www.idvs.plus](http://www.idvs.plus)