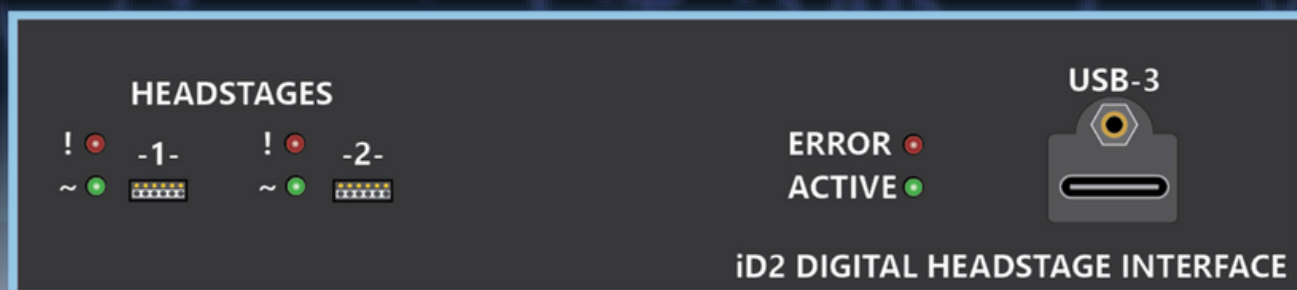


ID2 - INTAN HEADSTAGE INTERFACE

A Member of the iCon Family of Devices



iD2 Digital Amplifier Interface for INTAN based Devices

The ID2 module is a 256-channel recording device designed for the iCon platform. The module integrates INTAN™ digital headstage inputs into an iCon module creating a low-cost system for high-channel count recording. Capture and stream single units and local field potentials to disk at 25kHz. Process up to 16 channels for real-time spike sorting or closed-loop control, such as triggering optogenetic pulses based on theta or gamma oscillations. The ID2 works seamlessly with TDT and INTAN digital headstages and connects to TDT's motorized commutators for freely-behaving recordings.

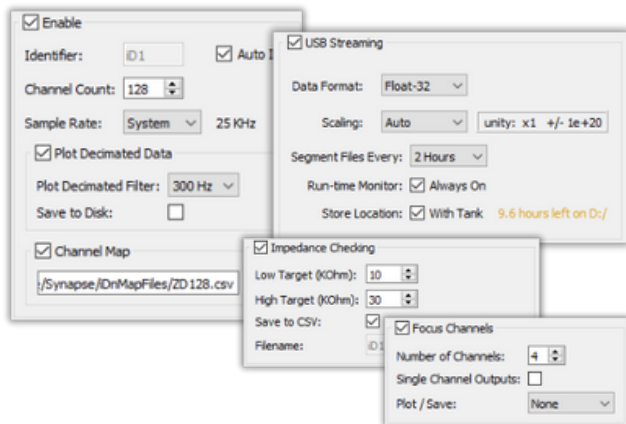
Features

- Record 256 channels of neural signals straight to disk
- Built in impedance checking
- Connect to TDT digital ZIF™ and Omnetics headstages
- Supports nearly any INTAN based front end
- Easy connection to TDT commutators

Applications

- High Channel Count Recordings
- Chronic recordings
- Tetrode recordings
- Record from Silicon Probes
- Two sites from one subject

Have a question or would like to see a demo? Contact us today.



Synapse Software

Easily configure your amplifier and start recording with a few clicks in Synapse. You have complete control of your real-time signals. You can process focus channels with filters, spike sorting, and closed-loop feedback. Synapse's "all-in-one-place" approach lets you combine simple recording processes with other signals to configure the exact experiment you need for your research.

Specifications

Up to 256 Channels from two headstages

S/N Ratio: >60 dB

~4 μ V Noise

Input Range: +/- 4.7 mV

Sampling Range: 750 Hz to 25 kHz

The iCon Platform

iCon is a unique hardware and software platform designed for users to configure the exact system they need to get the most value at the lowest cost. Our signature modular hardware architecture lets users mix-and-match equipment to do operant behavior, photometry, ephys, video recording, and much more.



Example iCon configuration with iD2 and iV2 modules for video recording and tracking.

LEGACY | INNOVATION | COMMITMENT

TDT has been pioneering neuroscience research tools since 1988

Every system comes with a 5-year warranty and free lifetime technical support