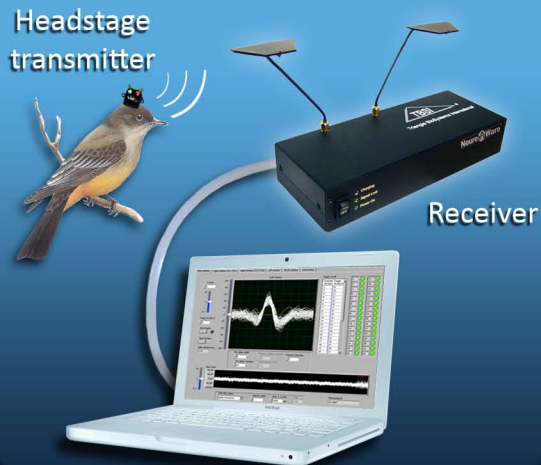


## W-Series

### Wireless Recording

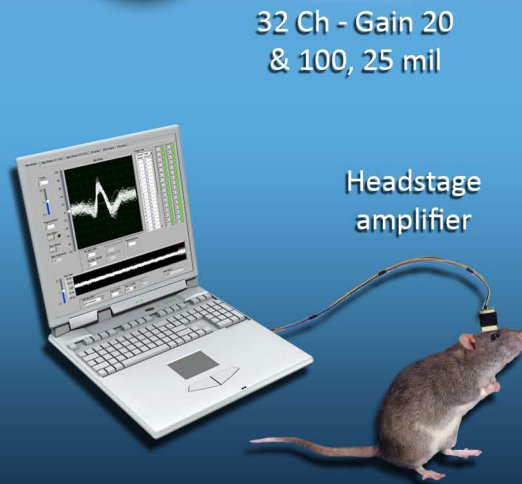
- Simultaneously monitor up to 64 neural electrodes
- Dual radio systems available for close proximity operations
- Transmit distance of up to 3 meters
- Smallest neural headstage transmitter commercially available with the longest battery life



## T-Series

### Tethered Recording

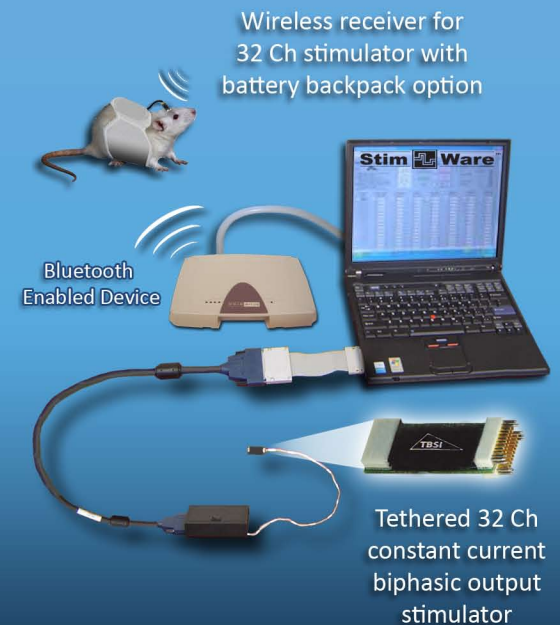
- Up to 32 channels of analog neural recording
- Preconditions the neuron pulse signals while providing buffered connections
- Headstage design based on a custom, low power VLSI chip
- Custom connector solutions



## S-Series

### Wireless & Tethered Stimulation

- Constant current stimulation through biphasic electrodes with independent I/O channel control
- User-define variables include tri-state, current magnitude, current direction, pulse duration and pulse count
- Create extended 10v differential output levels with our easy-to-use Labview® program



Wireless and tethered stimulator systems operate independently.

## M-Series

### Multiplex Recording

- Significantly reduces the number of wires connected to electrodes
- Preconditions the neuron pulse signals and combines 32 analog channels into a single output
- High performance bio-electronics with gain and bandpass filter options
- Up to 224 channels of simultaneous recording with just 9 wires



De-mux receiver



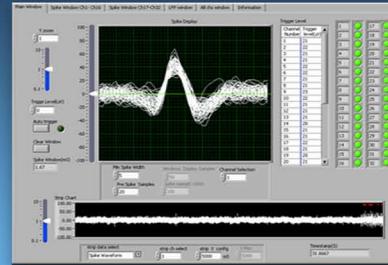
Commutator



32 Ch headstage amplifier with 3 wires



## NeuroWare™



### Data Acquisition

- Realtime Waveform Display
- Channel Mapping
- Threshold Detection
- Multiple Spike Display Windows and Spike Filtering
- Programmable Filtering and Reference Sheet
- Selectable Software Reference Subtraction
- File Output Formatting and Export

## Contact TBSI...

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Durham, NC 27703

Triangle BioSystems, Int'l. is a leading developer of neurological research equipment for brain and nerve monitoring and stimulation. This advanced neuro-technology hardware and software enables the acquisition of action potential signals (spikes) from individual brain cells (neurons), as well as low frequency field potential (LFP and EEG) signals in miniature tethered and wireless packages.

Our systems were designed to work with small animals as mice and birds and larger animals as dogs and primates for biological, medical, psychological studies and pharmaceutical drug discovery. Research laboratories around the world are successfully using our multiplexer and wireless systems in a variety of application settings (i.e., development of brain machine interfaces, understanding of perceptual changes in Parkinson's disease, and efficacy studies for drug discovery).

The products shown in this brochure are not to scale and are not for use on humans.



## Triangle BioSystems, Int'l.

Developing Wireless and Tethered Technology  
for Neural Recording and Stimulation

[www.trianglebiosystems.com](http://www.trianglebiosystems.com)

*Over 5,000 headstages  
sold to research laboratories  
around the world*



T-Series

I-2

S-Series

2-2

M-Series

W-2

W-Series

M-261162

