The Stick®
Phone/Fax/Modem Switch

Benefits
- Cut Phone Costs -- save up to $600/year per line
- Pays for itself in 3 months with just 1 line reduction
- Automatically directs calls to phone, fax, and dial-up modems
- Add equipment without adding phone lines
- Protects modems from hackers

Product Overview
Reduce your telecom expenses with The Stick from Multi-Link, Inc.

The Stick automatically screens and routes all incoming voice, fax, and modem calls to the right equipment every time so there is no more need for multiple costly phone lines. Customers frequently achieve return on investment within three months.

The Stick is easy to use. There are no drivers or software to install. It works with any type of phone system or telephony device.

The Stick’s reliability and programming flexibility can handle demanding business applications, yet it is simple enough to use at home. Other features, like DSL & Caller ID compatibility, surge protection, barge-in protection, and Bell Spec ring-back tones have made The Stick a favorite with professional installers for over 20 years.

The Stick is a proven money saving solution. Thousands of satisfied Multi-Link customers are cutting their telecom expenses each and every month.

Features
- AUTOMATIC FAX DETECTION
  Pre-programmed to auto route fax calls to fax or fax modem.
- BARGE-IN PROTECTION
  Prevents active calls from interruption by another device connected to The Stick.
- FULLY PROGRAMMABLE
  Program all features via telephone keypad; no PC interface or drivers to install.
- MANUAL TRANSFER CAPABILITY
  Transfer a call to any device port by touch tones.
- PROGRAMMABLE SECURITY ACCESS CODES
  User defined transfer codes provide security and control.
- BELL SPEC RING-BACK TONES
  The Stick transmits a “ring-back” that sounds just like the phone company’s.
- NON-VOLATILE MEMORY
  Programming is preserved after a power outage.
- REMOTE PROGRAMMING AND DIAGNOSTICS

ONE YEAR LIMITED WARRANTY

Applications
Out-of-Band Network Access
Energy Management Controls
Point-of-Sale System Integration
Submetering
Lighting Controls
Modem Polling
Fuel Tank Monitoring
Automated Meter Reading
Small/Home Office
Service Port Access
Remote Equipment Maintenance
**How does The Stick work?**

When installed on a typical phone line, The Stick automatically answers inbound calls and “listens” for fax tones and Security Access Codes (DTMF or touch tones). During this screening process, The Stick transmits a high quality ring-back to the calling party. When the screening operation is complete, the call is immediately routed to the correct device. All this takes place in just a few seconds!

**Ask our technicians**

Our staff of technicians is available to answer any questions you may have about programming or installation. We can even test and program your unit over the phone! We are available before and after the sale to ensure your satisfaction and optimal performance for your application.

**TOLL FREE: 800.535.4651**

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techsupport@multi-link.net
sales@multi-link.net

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**TECHNICAL SPECIFICATIONS**

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<th>Model Number</th>
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**Input Power Requirements**

- **At AC Transformer:** 110-125 Volts AC only, 50-60 Hz
- **At Power Jack on The Stick:** 12/14 Volts AC...14/16 Volts DC

**Power Consumption:** 6.2 Watts

**Power Consumption at standby:**
- Approx. 44mA @ 12 VDC
- Approx. 50mA AC at 120VAC

**CO Interface**

- **Ringer Equivalence Number:** 0.5B
- **Input Ring Detection:** 40-150 Volts AC, 15-68 Hz

**Physical:**

8.2" L x 1.45" D x 2.5" H, 1 lb

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**Device Interface**

- **Battery:** 48 Volts Nominal DC to all devices
- **Off-Hook Detection:** 3-80 mA
- **Ring Generator Frequency:** 30 Hz (+/-0.1) Hz Voltage Regulated and current limited
- **Waveform:** True Sinusoidal
- **Ringing No Load:** Approximately 82.8 Volts RMS AC
- **Ringing 8K Ohm Imp. (REN1.0):** Approx 81.6 Volts RMS AC
- **Ringing 4KOhm Imp. (REN2.0):** Approx 73.0 Volts RMS AC
- **Ringing 2.7KOhm Imp. (REN3.0):** Approx 64.5 Volts RMS AC
- **Ringing 2KOhm Imp. (REN4.0):** Approx 55.0 Volts RMS AC
- **Ringing 1.8K Ohm Imp.(REN5.0):** Approx 49.5 Volts RMS AC

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