

# RS-232 9-pin Line Booster

Model BB-232LB9R

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## PRODUCT FEATURES

- + Amplify and extend RS-232 signals beyond 15.24m (50 ft) limit
- + Daisy-chain multiple repeaters for even extra range
- + Boost lower power RS-232 ports
- + Data rates up to 115.2 kbps
- + Quick, convenient in-line installation
- + Power supply required (not included, sold separately)

## OVERVIEW

Model BB-232LB9R is a 9-pin RS-232 repeater that retransmits all 8 signals and carries the Ground line through. Many computers, laptops and desktops feature low-power versions of RS-232 ports that are unable to drive port-powered devices or full-length RS-232 cabling.

Model BB-232LB9R amplifies these weak signals up to the RS-232 Standard for uses such as running port-powered devices (see Figure 1). It is suitable for extending full-powered RS-232 cable runs beyond the typical 15 to 30 meters (50-100 ft) distance recommendation (see Figure 2).

*An external power supply is required, not included, sold separately. Model BB-SMi6-12V-P230C1 is recommended.*

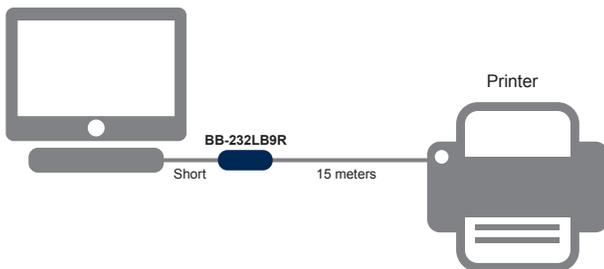


Figure 1. Boosting Low-power Ports

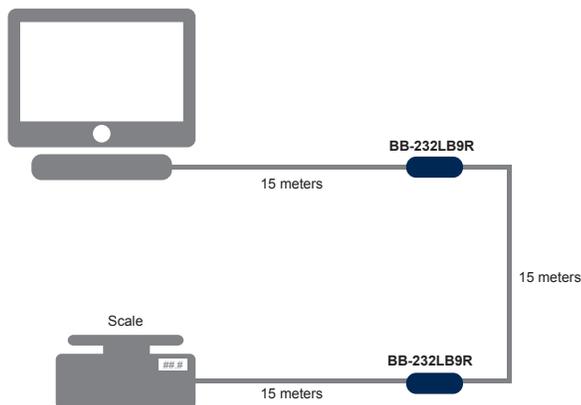


Figure 2. Extending Cable Runs

## ORDERING INFORMATION

MODEL NO.	DESCRIPTION
BB-232LB9R	RS-232 9-pin Line Repeater, DB9F to DB9M

### ACCESSORIES - sold separately

BB-SMi6-12V-P230C1 - power supply, 12 VDC, 6 W, 2.5mm plug, int'l. AC input  
BB-9PAMF6 - DB9 male to female cable, 1.83 m (6 ft)

## SPECIFICATIONS

SERIAL TECHNOLOGY	
DCE Connector	DB9 female
DTE Connector	DB9 male
Data Rate	Up to 115.2 kbps
POWER	
Supply Voltage	+12 to +16 VDC @ 40mA, maximum
MECHANICAL	
Dimensions	7.9 x 4.3 x 2.1 cm
ENVIRONMENT	
Temperature Range	0 to +70 °C
MEANTIME BETWEEN FAILURES (MTBF)	
MTBF	1560793 hours
Calculation Method	MIL 217F using Parts Count Reliability Prediction Method
REGULATORY / APPROVALS	
FCC Class B, CE	
CE - Directives	2014/30/EU – Electromagnetic Compatibility (EMC) 2011/65/EU – amended by (EU) 2015/863 Reduction of Hazardous Substances (RoHS) 2012/19/EU – Waste Electrical and Electronic Equipment (WEEE)
CE - Standards	EN 55032 Class B – Electromagnetic Compatibility of Multimedia Equipment – Emission requirements EN 55024 – Information Technology Equipment – Immunity Characteristics – Limits and methods of measurement

All product specifications are subject to change without notice.  
BB-232LB9R\_2420ds

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