

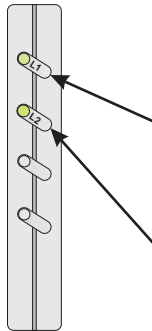
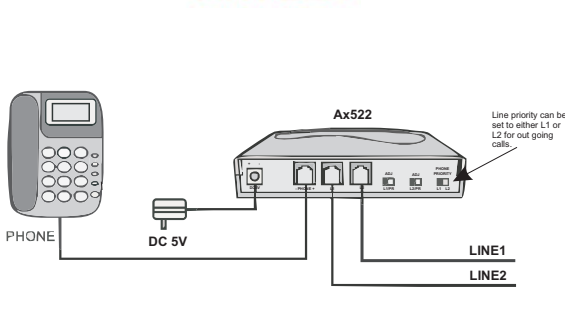


INTRODUCTION

Thank you for purchasing the AX522 Intelligent 2-Line Switch from Cooltronics. This is the latest version of the popular AX520 and features many enhancements over the previous unit and design. This innovative device allows intelligent control of two telecommunications lines through a single device, such as a cordless phone, fax machine or PBX system. Ideally suited as an affordable switching solution for second VoIP Lines, allowing intelligent switching between existing PSTN and VoIP Lines from a single telephone.

GENERAL INFORMATION & PRODUCT LAYOUT

ARTECH



AX522 LED SIGNAL COLOURS

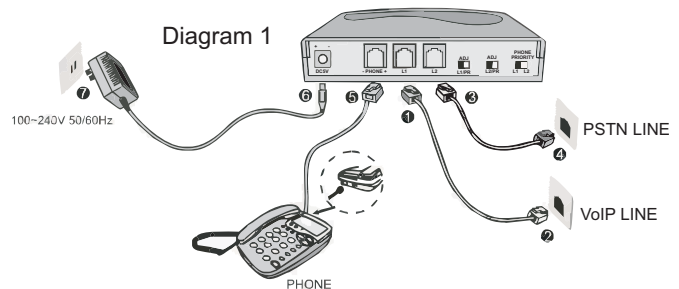
Light Signal	Status / Light Colour	Description
L1	Always On (Green)	L1 has correct line polarity
	Always On (Red)	L1 has incorrect line polarity
	Blinking (Yellow)	L1 has incoming call
	Always On (Green)	L1 in use
	Blinking Slowly (Green)	L2 in use
	Blinking Slowly (Red)	Problem with lines
L2	Always On (Green)	L2 has correct line polarity
	Always On (Red)	L2 has incorrect line polarity
	Blinking (Yellow)	L2 has incoming call
	Always On (Green)	L2 in use
	Blinking Slowly (Green)	L1 in use
	Blinking Slowly (Red)	Problem with lines

QUICK SETUP FOR VOIP / PSTN SWITCHING

1. Connect up the AX522 unit as detailed in diagram 1. In the UK, connection from the AX522 L2 Socket to the PSTN line should be done with a standard RJ11 to BT Modem Cable. It may also be required in the UK to use a BT to RJ11 Adaptor to connect the phone to the AX522 Phone Socket.

2. Switch on the unit and note the colours of the LEDs on the Ax522, if all is working, then both L1 and L2 Should be GREEN. If this is not the case, then please refer to the above Light Signal Table for diagnostics.

3. This setup uses the VoIP Line to dial outward calls and sets the receiving calls through the PSTN Line. The AX522 will receive calls through both the PSTN and VoIP Lines and identify which incoming line is being used through the LED colours detailed above.



4. You can force outgoing calls through the PSTN Line by dialling #0, or setting the "Phone Priority" button on the AX522 unit to L2.



Typical BT to RJ11 Adaptor that may be required for UK BT Phones connecting to AX522.

Polarity Information for UK & New Zealand Users

The AX522 complies with the RJ11 socket standard and expects all signalling and ringing signals to be transmitted on the middle two wires. In contrast, the BT sockets used in the UK perform the signalling on the outside two wires and have a ring capacitor circuit on the third wire. For this reason, connection to and from the BT phone and BT Wall Socket / Broadband Filter will require the following adaptors:-

- From AX522 to BT Socket / Broadband Filter - A standard Rj11 to BT Plug Modem Lead is required.
- From BT Phone Plug to Phone Socket on AX522 - A BT Socket to RJ11 Adaptor may be required.