

ProVu Communications

IP Video Quick Setup Guide with ADSL

Draft

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This is for people who have a good understanding of IT and TCP/IP networking, and want to get the BVP8770 IP videophone working in an Home/SME environment over ADSL.

This is a supplement to the full user guide provided with the BVP8770.

1 Assumptions

This document presumes that you have a videophone, ADSL internet connection with ethernet router and a range of static globally routable IP addresses. That your ADSL router is already configured and that you have a spare IP address to allocate to the videophone.

2 Connections and Installation

Connection the powersupply unit to the phone and to a suitable wall outlet.

Connect the Lan cable between the videophone and the ethernet router.

If you have an external microphone, then connect it to the back of the videophone, using the extension cable if required. Make sure you plug in the microphone before you turn the power on.

When everything is connected correctly, turn on the power.

3 Configuration

If your Videophone and ADSL router have been supplied together as a package from ProVu, then the equipment is preconfigured and you can ignore this section.

The phone needs to be set with an IP address, subnet mask and default gateway. Your ISP should have provided this information.

You press the 'OK' button 5 times (through Configuration, The password, System Setup and Network setup). Then use the up and down arrow keys, 'clear' and the number keys to input the required information.

When you have finished, press the 'OK' button and then select 'bandwidth' press 'OK'. You need to select the bandwidth appropriate to your upstream connection speed. Most UK ADSL users should select '256'. Press 'OK', and then press the left hand arrow keys until you have left the menus.

The phone may need to reboot. If this is the case it will be indicated on the screen. Just wait while the phone reboots, and then you should be able to make calls.

4 Making Calls

1. Lift the handset
2. Dial the IP address you wish to call. The '*' key puts in the '.' (dot).
3. Press the 'OK' Button to dial the call.
4. At the end of the call, replace the handset.

5 Operation tips

Use the up and down arrow keys while in a call to adjust the volume.

When in a call, press the 'View' key to enable the Picture in Picture.

The camera key can be used to select between the different AV inputs on the back of the unit.

The bandwidth setting puts a cap on your transmission bandwidth. It is important to adjust this setting to a value appropriate to type of connection you have and the connection of the remote party. If in doubt, choose a lower bandwidth setting. The videophone works much better when you aren't pushing the network to its limits.

When entering IP addresses, the '*' key puts the '.' (dot) in. To dial quick dials, you pick up the handset, press # and then press the key for the quick dial you want.

If you want to make a test call, then call 81.144.139.34 at 256kbit/s.

For best picture quality, ensure that the camera focus is set correctly. The focus is adjusted by rotating the dial around the camera. Adjust so that the picture is sharp.

6 Installation site

Some care about the siting of the IP videophone will result in better quality calls. If possible site the videophone so that there is a plain background behind the user. The user should be evenly lit from the front, without bright lights or windows in the background.

If possible, place the unit slightly higher up so that it does not look up at the user. The idea is to keep the ceiling (and therefore room lighting) out of the picture.

Place the microphone (if supplied) flat on a hard table top. The microphone needs to be located away from the videophone (at least 40cm) but near to the person speaking. Use the extension cable Try to eliminate background noise such as PC's or fans.

7 Safety

Do not locate the unit where the cables present a trip hazard.

Keep the phone dry, and do not use liquid cleaners.

Do not disassemble the unit.

Place the unit only on horizontal even surfaces.

8 Note

Remember that connections and service can not be guaranteed over the Internet or over ADSL lines in the UK.

9 Feedback

This document is being constantly developed. The latest version can be found at <http://www.provu.co.uk/docs/> Comments or feedback are welcome and should be directed to tim@provu.co.uk.