

## **Quick Instruction LR8051 Broadband Phone Adaptor**

### ***How to Connect?***

WAN (8051D/DL) or Internet (8051S/SL): plug in the Ethernet cable from the Router or other devices accessing the internet  
LAN (8051D/DL only): plug in your local computing device  
LINE: plug in telephone line  
PHONE: connect to the telephone set  
DC IN: plug in the power supply

### ***How to Set Up?***

The unit has a webpage and it comes with DHCP enabled. For the first time, please connect the unit to a DHCP router and use the browser on a PC which is also connected to the same router to find the IP address of the unit on the router, and then use that IP address to access the webpage of the unit. If you don't have router, there is a way to set fixed IP as described below in the ***"How to Reset to Handset-Configured Settings"*** session.

### ***How to Restore Factory Default?***

1. Unplug the power
2. Lift the handset of the phone off hook
3. Use a pin to push into the reset hole, hold it there while you plug the power back in, and you will see power LED flashing rapidly. Keep holding it until the power, link, activity, and line LEDs flash several times in alternating pairs to indicate that factory defaults are being restored.

### ***How to Reset to Handset-Configured Settings (for 8051S/ SL)?***

Follow the steps of factory-default-restoration process described above, once the power LED begins flashing, release the RESET button immediately. The handset will now be beeping. Use the keypad to set fixed IP, DHCP, or reuse of current network settings as follows.

#### a) Set fixed IP

Enter the IP address of the unit using \* for . and # to complete the entry. On pressing # the pitch of the tone will drop. Enter the netmask in the same way, then the IP gateway, then the DNS server. After each step the tone pitch will drop. After the entry of the DNS server there will be a confirmation tone. Hang up the phone to reboot.

#### b) Set DHCP

Enter 0#. There will be a confirmation tone. Hang up the phone to reboot.

c) Reuse current network settings and go to downloader.

Enter 1#. There will be a confirmation tone. Hang up the phone to reboot in downloader mode.

### ***How to Use Advance Calling Features?***

Remark: F means flash key or hook-flash

#### **3-way conferencing**

A calls B.

A presses F7 to get dialtone.

A calls C.

When C answers, A-B-C are in a conference.

#### **call waiting**

A calls B.

C calls A and A hears call-waiting beeps.

A presses F\* to alternate between C and B.

#### **call hold**

A calls B.

A presses F1 to put B on hold; meanwhile, A gets dialtone.

A can call C and have another conversation.

A presses F\* to retrieve B from hold.

#### **call transfer**

B calls A.

A answers. Press F4 and A gets dialtone.

A dials C > B gets transferred to C.

#### **call forward**

A presses \*2+(extension for C) to turn on the forward function directing the call to C.

B calls A, then B gets forwarded to C.

A presses \*3 to turn off call forward function.

### ***How to Configure Auto Provisioning System (APS)?***

The Auto Provisioning System needs the support of the service provider. If the unit is supported by a service provider by their APS server, here is how to configure:

1. go to SYSTEM menu, enter APS tab.
2. Select "Standard" in **Automatic Configuration** entry; if the service provider is SIPphone.com, select "Plug'n'dial"
3. Enter the FQDN(fully qualified domain name) or IP address of the APS Server
4. Enter "69" for APS Port, unless otherwise instructed by your service provider.
5. Press save button to save the setting
6. Reset by going to Reset menu and run the first option "Reset and execute Main Application", the adaptor will reset itself and power cycle automatically. The configuration should be obtained afterward.

### ***How to Configure to Work with SIPphone.com?***

SIP Server Address: Northamerica.sipphone.com  
SIP Server Port: 5060  
Domain Name: no need  
Phone Number: your 11 digit Sipphone.com phone number  
SIP Port: 5060  
User Name: your 11 digit Sipphone.com phone number  
Password: your Sipphone.com password  
Call ID: optional  
Dial plan: add "|\*\*" to allow accessing your phone number by pressing \*\*

If the unit is behind NAT and you need STUN, go to NAT Traversal tab where...

STUN Server: stun01.sipphone.com (or any other working stun server you know)  
Port: copy the default value ( don't leave it blank)

( Remember to save setting in each page before leaving, and to activate all the settings, you need to do **Reset and Execute Main Applications**)

### ***How to Configure to Work with FWD?***

SIP Server Address: fwd.pulver.com  
SIP Server Port: 5060  
Domain Name: fwd.pulver.com  
Phone Number: your fwd phone number  
SIP Port: 5060  
User Name: your fwd phone number ( not your fwd account name)  
Password: your fwd password  
Call ID: optional

If the unit is behind NAT. suggest that you use fwd STUN server. Go to NAT Traversal tab where....

STUN Server: stun.fwdnet.net  
Port: copy the default value ( don't leave it blank)

( Remember to save setting in each page before leaving, and to activate all the settings, you need to do **Reset and Execute Main Applications**)

### ***How to switch between IP and PSTN Call ( for 8051S or 8051D models which has FXO port to connect to PSTN line)?***

You can find and reconfigure your setting at the PSTN tab in SIP menu where you can select which of the IP or PSTN as default and the switching keys to switch to another. If IP phone is set as default, you will be able to make IP call when you pick up the handset. Then you will need to dial the switching key (either \* or #) to make PSTN call.

Under any setting here, when there is phone call from either PSTN or IP, the phone will ring.

### **How to Upgrade Software?**

The new application software can be available from Leadtek website. Please make sure you download the application software for the correct configuration. Once you have downloaded the application software, here are the steps to take to upgrade your unit:

1. Put the new application software file onto your local drive, e.g. C:\newimg.rom
2. Go to the Download menu of the unit's web pages, and enter the filename above in the HTTP Download field. You can also use the "Browsing" function to locate the file.
3. Select "Start HTTP Download". The download will begin.
4. When the download completes, select "Restart Main Application".

### **LED Indicators**

#### **8051S, 8051SL**

<b>Label</b>	<b>POWER</b>	<b>LINK</b>	<b>ACTIVITY</b>	<b>LINE</b>	<b>PHONE</b>	<b>MESSAGE</b>
<b>Behavior</b>	ON: power on OFF: power off	ON: LAN is connected OFF: LAN is not connected	Flashing: network traffic OFF: quiet	ON: the PSTN line is off hook OFF: the PSTN line is on hook (8051S)	ON: the IP phone line is off hook OFF: the IP phone line is on hook Blinking: SIP registration failed	ON: there is message waiting OFF: there is no message waiting (Service Dependent)

#### **8051D, 8051DL**

<b>Label</b>	<b>POWER</b>	<b>LAN</b>	<b>WAN</b>	<b>LINE</b>	<b>PHONE</b>	<b>MESSAGE</b>
<b>Behavior</b>	ON: power on OFF: power off	ON: LAN is connected Flashing: traffic going through OFF: LAN is not connected	ON: WAN side network is connected Flashing: traffic going through OFF: WAN side network is not connected	ON: the PSTN line is off hook OFF: the PSTN line is on hook (8051D)	ON: the IP phone line is off hook OFF: the IP phone line is on hook Blinking: SIP registration failed	ON: there is message waiting OFF: there is no message waiting (Service Dependent)