

How to Configure Zoiper for BSNL Wings VoIP Calls

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Quick answer

To configure your BSNL Wings number on the stable and reliable Zoiper VoIP app, you simply need to enter your credentials in a specific format-your international mobile number relative to your circle's server name-and set the correct outbound proxy settings. By following a six-step process that involves verifying your SIP UDP or TCP connection status, users can bypass the less reliable official BSNL app and successfully enable VoIP calling on their mobile devices.

Key points

- Why use Zoiper: Although slightly more complex to set up than the official BSNL Wings app or GS Wave, Zoiper is recommended for being the most stable and reliable VoIP client for this service.
- Username Format: Your login username must follow the format '+91[MobileNumber]@[ServerName]' (e.g., '+919412345678@kl.voip.ims.bsni.in').
- Outbound Proxy Requirement: You must manually enable the "Outbound proxy" option during setup, using your international mobile number as the username and 'blr.sbc.ims.bsni.in:80' as the proxy address.
- Sign-in Process: The "Create an account" button serves as the sign-in function; it does not actually register a new account but logs you in with your existing credentials.
- Configuration Verification: The app will automatically analyze configurations; a successful setup is indicated when either "SIP TCP" or "SIP UDP" turns green.

We've tested every major VoIP app with BSNL Wings - Zoiper, Grandstream Wave (GS Wave), the official BSNL Wings app, and several others. Zoiper consistently delivers the most stable performance. Here's exactly how to set it up.

How Do You Configure Zoiper for BSNL Wings?

Zoiper needs more manual configuration than BSNL's official app or GS Wave. BSNL's app? Just username and password. GS Wave? Scan a QR code and you're done.

Zoiper requires a few extra steps, but they're straightforward once you know what to enter. Let's walk through each one.

Step 1: Accept the Terms and Start Setup

Open Zoiper and tap Agree & Continue.

Step 2: What Username Format Does BSNL Wings Need?

You'll see a login screen asking for username and password.

Your username follows this format: 'mobilenumber@servername'. If your Wings number is 9412345678 and your server name is kl.voip.ims.bsni.in, enter: +919412345678@kl.voip.ims.bsni.in

Always use international format - start with +91. You'll find your server name (also called hostname) in the NGN portal or the configuration email BSNL sent you. This example uses Kerala Circle's server.

After entering your details, click Create an account. The button name is misleading - it's really just signing you in, not creating anything new.

Step 3: Enter Your Server Hostname

The account setup page should auto-fill your server name from what you entered earlier. If it doesn't appear, type it in manually. Then hit Next.

Step 4: How Do You Set Up the Outbound Proxy?

This screen controls your outgoing calls. Don't skip it.

Check the box that says 'My provider/PBX required an authentication username or outbound proxy.'

Fill in two fields:

Username: Your Wings number in international format, like +919412345678

Outbound proxy: blr.sbc.ims.bsnl.in:80

Click Next when you're done.

Step 5: Let Zoiper Auto-Detect Your Connection Settings

Zoiper will now analyze your settings and find the best connection protocol. This takes a few seconds - don't hit skip.

Wait for the analysis to complete. You'll see either SIP TCP or SIP UDP highlighted in green and automatically selected.

Related: [How to Cancel BSNL Wings Connection](#)

If neither option turns green, something's wrong. Could be a typo in your details, a connection issue, or a problem on BSNL's end. Go back and verify everything you entered.

Once you see green confirmation, click Finish.

Step 6: Grant the Required Permissions

Zoiper needs a few permissions to work properly - microphone access, battery optimization exclusion, and similar basics. Grant whatever it asks for.

You're done. Your BSNL Wings service is now active through Zoiper. You can make and receive calls just like you would with the official BSNL Wings app or GS Wave.

Frequently Asked Questions

Which app works best with BSNL Wings?

Zoiper is the most stable and reliable app for BSNL Wings VoIP calls based on extensive testing. While BSNL's official app and GS Wave are easier to set up, Zoiper offers better call quality and fewer connection drops.

What's the correct username format for BSNL Wings in Zoiper?

Your username should be: +91[your Wings number]@[server name]. For example, if your number is 9412345678 and server is kl.voip.ims.bsnl.in, enter +919412345678@kl.voip.ims.bsnl.in. Always use the +91 international prefix.

What outbound proxy address should I use for BSNL Wings?

Use blr.sbc.ims.bsnl.in:80 as your outbound proxy address. This setting handles all outgoing calls and works across all BSNL circles regardless of your local server name.

Why isn't Zoiper showing green confirmation during setup?

If neither SIP TCP nor SIP UDP turns green during auto-detection, check for typos in your username or server name. Also verify your internet connection is stable and that your BSNL Wings service is active in the NGN portal.

Can I use Zoiper instead of the official BSNL Wings app?

Yes, once configured, Zoiper completely replaces the official BSNL Wings app or GS Wave. You can make and receive all your Wings calls through Zoiper with better stability and call quality.

If you're having trouble with any step in the setup process, drop your question in the comments below.