

Disabling SIP ALG on a Euro Router

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SIP ALG (Application Layer Gateway) is a router or firewall feature that inspects and modifies SIP packets by replacing private IP addresses with public ones. While it was designed to help older VoIP systems work behind NAT/firewalls, it often causes problems like one-way audio, failed calls, and registration issues in modern VoIP setups

Why Disable SIP ALG?

- **Modern VoIP systems** use NAT traversal methods (STUN, TURN, ICE) that don't require router intervention
- **Misinterpretation of SIP headers** can cause calls to be routed incorrectly or dropped
- **Common symptoms** include:
 - One-way or no audio
 - Call connection failures
 - Phones ringing but not answering
 - BLF/MWI issues
 - Registration failures less you are using a dedicated Session Border Controller (SBC)

How to Disable SIP ALG on a Euro Router

Euro routers may be based on common brands (e.g., TP-Link, D-Link, Arris, Cisco). Here are general steps for similar

models:

1. **Access the router's admin interface**
 - Connect to the router's LAN and open a browser.
 - Enter the admin IP (often 192.168.0.1 or 192.168.1.1).
2. **Navigate to ALG/Application Level Gateway settings**
 - Look for **Advanced Settings** → **Firewall** or **ALG Configuration**.
3. **Disable SIP ALG**
 - Uncheck or set **SIP ALG** to **Disabled**.
 - Some routers also require disabling **SIP Passthrough** or **NAT Passthrough** for SIP
4. **Save and apply changes**
 - Click **Apply** or **Save**.
 - Restart the router if prompted.
5. **Verify the change**
 - Check the ALG settings again to ensure SIP ALG is off.
 - Test VoIP calls to confirm issues are resolved.

If You Can't Find SIP ALG Settings

- Check the **WAN/NAT** or **Application Control** sections.
- If the router is a gateway (e.g., Arris, TP-Link V3/V4), look under **Advanced** → **Options** or **Firewall**.
- For Cisco-based routers, use CLI commands:

```
no ip nat service sip tcp port 5060
no ip nat service sip udp port 5060
```

Best Practices

- **Use QoS** to prioritize VoIP traffic.
- **Keep firmware updated** to avoid re-enabling ALG after resets.
- **Test after disabling** to ensure call quality and

reliability.

If your Euro router is a specific model, consult its manual for exact menu paths, as the interface varies by manufacturer.