

## Dropbear Configuration

/etc/config/dropbear.

- [Dropbear \(software\)](https://en.wikipedia.org/wiki/Dropbear_(software)) [https://en.wikipedia.org/wiki/Dropbear (software)], [secure.access](#), [signature.authentication](#) and [dropbearpublickeyauthenticationhowto](#)

### Sections

The dropbear configuration contains settings for the dropbear SSH server in a single section.

### Dropbear

The dropbear section contains these settings:

Name	Type	Required	Default	Description
enable	boolean	no	1	Set to 0 to disable starting dropbear at system boot.
verbose	boolean	no	0	Set to 1 to enable verbose output by the start script.
BannerFile	string	no	(none)	Name of a file to be printed before the user has authenticated successfully.
PasswordAuth	boolean	no	1	Set to 0 to disable authenticating with passwords.
Port	integer	no	22	Port number to listen on.
RootPasswordAuth	boolean	no	1	Set to 0 to disable authenticating as root with passwords.
RootLogin	boolean	no	1	Set to 0 to disable SSH logins as root.
GatewayPorts	boolean	no	0	Set to 1 to allow remote hosts to connect to forwarded ports.
Interface	string	no	(none)	Tells dropbear to listen only on the specified interface. <sup>1)</sup>
rsakeyfile	file	no	(none)	Path to RSA file
dsskeyfile	file	no	(none)	Path to DSS/DSA file
SSHKeepAlive	integer	no	300	Keep Alive
IdleTimeout	integer	no	0	Idle Timeout

This is the default configuration:

```
config dropbear
    option PasswordAuth 'on'
    option RootPasswordAuth 'on'
    option Port '22'
```

### Multiple dropbear instances

Edit /etc/config/dropbear to add a second instance.

```
vi /etc/config/dropbear
```

The below example shows one on port 22 on the lan side, one on port 2022 on the wan side. Note: wan side is set for PasswordAuth off so make sure you have added an ssh-key.

Also make sure to check your firewall DNAT (port forward) to allow access to the wan side port, 2022 in this case.

```
config dropbear
    option PasswordAuth 'on'
    option Port '22'
    option Interface 'lan'

config dropbear
    option PasswordAuth 'off'
    option Interface 'wan'
    option Port '2022'
```

If you try to run multiple dropbear instances and they are not started you probably have a timing issue. To fix the timing issue just create a small hotplug script in /etc/hotplug.d/iface/40-dropbear that simply restarts dropbear after the WAN interface is restarted.

/etc/hotplug.d/iface/40-dropbear

```
#!/bin/sh
```

```
if [ "$INTERFACE" = "wan" ] && [ "$ACTION" = "ifup" -o "$ACTION" == "ifupdate" ]
then
    /etc/init.d/dropbear restart
fi
```

From forum thread: [<https://forum.openwrt.org/viewtopic.php?pid=209590>]Getting [<https://forum.openwrt.org/viewtopic.php?pid=209590>]Getting] dropbear to listen on multiple ports.

1)

e.g. lan, wan, henet