Absolute Raid Bot: Admin Registration and Account Recovery

Version 1.0.6 · for the owner and officers · Absolute Gaming LLC

Admin access to Absolute Raid Bot is gated by two-factor authentication (2FA). **Two-factor is part of admin registration:** nobody becomes an admin until they have enrolled an authenticator app, and every admin command after that needs a current code. This guide shows exactly how to register, how to sign in each time, and how to get back in if you lose your phone.

1. How admin security works

Layer	What it means
Your Discord account	The bot knows you by your Discord account. Protect it with Discord's own two-factor (User Settings -> My Account).
Admin registration	Only the owner can register an admin. A registered admin starts as **pending**.
Two-factor enrollment	A pending admin must add the bot's key to an authenticator app and confirm a code within **24 hours**. Only then are they an admin.
Unlock	Each session, `/dkpadmin unlock` with a current code opens admin commands for **15 minutes**.
Step-up codes	The most sensitive commands need a fresh code typed into the command even while unlocked: registering or removing admins, restoring a backup, applying a database import, new recovery codes.
Recovery codes	10 one-time codes, given when you finish enrolling, to get back in if you lose your authenticator.
Audit log	Every registration, enrollment, unlock, failed code, recovery and admin change is recorded and can't be erased.

Two-factor can't be turned off.

You need: a Discord account, membership of your guild's server, and an authenticator app on your phone: Google Authenticator, Microsoft Authenticator, Authy, 1Password or Bitwarden.

2. The owner's registration

The owner is the first admin. Their registration happens when the bot is paired with the server.

1. The person setting up the bot gets the **pairing code** from the bot's machine (on Azure, `sudo arb-setup` or `sudo arb-status` shows it).
2. In your server, a member with **Manage Server** runs:

```
/dkpadmin pair code: K7QM-2XVD-9FHT
```

3. Whoever pairs becomes the **owner** (unless an owner ID was set on the bot's machine). The bot's reply, shown only to them, is the **owner registration**: a two-factor key.
4. In your authenticator app, add an account and **scan the QR code** in the bot's reply. Microsoft Authenticator: **+ -> Other account (Google, Facebook, etc.)** -> scan. Google Authenticator: **+ -> Scan a QR code**. No camera? Choose **Enter a setup key** (Microsoft: **Or enter code manually**) and type the key shown under the QR code (spaces don't matter), name it Absolute Raid Bot, time-based.
5. Run:

```
/dkpadmin 2fa-confirm code: 123456
```

with the 6-digit code the app shows.

6. The bot replies **Admin registration complete** with your **10 recovery codes** and a file of them. **Save them now** (section 6). They are shown only once.

If the owner was set on the bot's machine instead, that person runs `/dkpadmin 2fa-setup` to get their key, then step 5.

3. Registering an officer as an admin

3.1 The owner registers them

Unlock first, then:

```
/dkpadmin admin-add member: @Officer code: 123456
```

- `code` is the owner's **current** code, even while unlocked.
- The officer becomes a **pending admin**. The bot **DMs them their two-factor key** with instructions.
- If their DMs are closed, the owner is told, and the officer runs `/dkpadmin 2fa-setup` in the server to see the key.
- The staff log channel shows the registration.

3.2 The officer finishes registration (within 24 hours)

1. Open the DM from the bot (or run `/dkpadmin 2fa-setup` in the server).
2. Scan the QR code with your authenticator app (or type the key), as in section 2, step 4.
3. In the server run `/dkpadmin 2fa-confirm code: 123456` with the app's current code.
4. **Save your 10 recovery codes** (section 6).

You're now an admin and unlocked for 15 minutes.

Until you finish, every admin command answers Finish your admin registration first. After 24 hours the registration **expires**; ask the owner to run `admin-add` again (a fresh key is sent).

3.3 Checking who's registered

`/dkpadmin admins` lists every admin with their status:

Status	Meaning
registered, two-factor on	A working admin
pending two-factor enrollment	Registered, hasn't confirmed a code yet
registration expired	Didn't finish within 24 hours

It also shows how many recovery codes each admin has left.

4. Signing in each time

There's no password. You sign in by being in the server with your Discord account, then unlocking:

```
/dkpadmin unlock code: 123456
```

Admin commands stay open for **15 minutes**. `/dkpadmin lock` closes them early. If a code is refused, set your phone's clock to automatic: codes change every 30 seconds and the bot allows one step either side.

5. Removing an admin

```
/dkpadmin admin-remove member: @Officer code: 123456
```

Owner only, with a fresh code. Their recovery codes are deleted too. The owner can't be removed this way.

6. Recovery codes

- You get **10** when you finish registration. Each is like `K7QM-2XVD` and **works once**.
- The bot keeps only a scrambled fingerprint (SHA-256 hash) of each, so nobody can read them from the bot.

- **Store them outside Discord:** a password manager, or printed and kept somewhere safe. Delete the file from your downloads after.
- Running low, or think someone saw them? Make a new set (the old set stops working):

```
/dkpadmin recovery-codes code: 123456
```

- `/dkpadmin admins` shows how many you have left.

7. Recovery: what to do when...

7.1 You lost your phone or authenticator (you have a recovery code)

1. In the server run:

```
/dkpadmin recover code: K7QM-2XVD
```

2. The code is used up and your **old authenticator stops working at once**. The bot shows a **new key**.
3. Add it to your authenticator, then `/dkpadmin 2fa-confirm code: 123456` within 24 hours.
4. You get a **fresh set of 10 recovery codes**; the rest of the old set stops working.

The staff log shows the recovery. Five wrong recovery codes in an hour blocks recovery for an hour.

7.2 An officer has no recovery codes left

The owner runs `admin-remove` then `admin-add` for them. The officer gets a new key by DM and registers again (section 3.2).

7.3 The owner has no recovery codes left

This is the one case that needs the bot's machine, because having the machine proves you own the bot. On the VM:

```
sudo arb-reset-2fa <owner's Discord user ID>
```

(On a self-hosted bot: `python run.py --reset-2fa <id>` in the bot folder.) Restart the bot if asked, then run `/dkpadmin 2fa-setup` and `/dkpadmin 2fa-confirm` to register again. The reset is written to the audit log.

7.4 You can't get into your Discord account

Use Discord's own account recovery first (discord.com -> Forgot your password?, or Discord support). The bot can't recover a Discord account.

- **Officer** with a new Discord account: the owner registers the new account with `admin-add` and removes the old one with `admin-remove`.
- **Owner** with a new Discord account: on the bot's machine, set the new account as owner (`sudo arb-setup`, owner's Discord user ID), restart, and register it with `/dkpadmin 2fa-setup`. Then remove the old account with `admin-remove`.

7.5 You forgot how to sign in

There's nothing to remember except your Discord login and your authenticator app: open your authenticator, find **Absolute Raid Bot**, and run `/dkpadmin unlock code:` with the code it shows.

7.6 Someone else might have your codes

Run `/dkpadmin recovery-codes code: 123456` for a new set, check `/dkpadmin audit` for anything you didn't do, and tell the owner. If your authenticator itself may be compromised, use `/dkpadmin recover` with a recovery code to replace it.

8. Commands in this guide

Command	Who	Purpose
`/dkpadmin pair code`	Manage Server	Pairs the bot and starts the owner's registration
`/dkpadmin admin-add member code`	Owner	Registers a pending admin and DMs their key
`/dkpadmin 2fa-setup`	Pending admin	Shows a (new) two-factor key
`/dkpadmin 2fa-confirm code`	Pending admin	Finishes registration; gives recovery codes
`/dkpadmin unlock code` / `lock`	Admin	Opens admin commands for 15 minutes / closes them
`/dkpadmin admins`	Admin	Who's registered, and recovery codes left
`/dkpadmin recover code`	Admin	Uses a recovery code to replace a lost authenticator
`/dkpadmin recovery-codes code`	Admin	A new set of recovery codes
`/dkpadmin admin-remove member code`	Owner	Removes an admin

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