
WakeDesk for Raspberry Pi 4 / Pi 5
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CONTENTS OF THIS PACKAGE

WakeDesk-RPi-X.Y.Z-arm64.deb	Main install package
install_wakedesk.sh	Guided installer script
uninstall_wakedesk.sh	Guided uninstaller script
INSTALL.txt	This file

REQUIREMENTS

Hardware:	Raspberry Pi 4 or Raspberry Pi 5
OS:	Raspberry Pi OS Bookworm (64-bit) – recommended Ubuntu 22.04 / 24.04 ARM64 (also supported)
Arch:	64-bit (arm64 / aarch64) – 32-bit is NOT supported
Network:	Internet connection required for first install (to resolve package dependencies)
Display:	HDMI connected, or headless with a virtual display configured (the installer handles this automatically)

QUICK INSTALL (RECOMMENDED)

1. Copy both files to the Pi (same folder):

```
scp WakeDesk-RPi-*-arm64.deb install_wakedesk.sh \
wakeos@<pi-ip>:/home/wakeos/
```

2. SSH into the Pi and run the installer:

```
chmod +x install_wakedesk.sh
sudo bash install_wakedesk.sh
```

3. Follow the on-screen prompts.
The installer will ask to reboot at the end – say Yes.

4. After reboot, open the WakeDesk dashboard:

From the desktop:	Internet → WakeDesk
From terminal:	wakedesk-host-gui

MANUAL INSTALL (ALTERNATIVE)

If you prefer to install without the guided script:

```
sudo apt-get update
sudo apt-get install -y ./WakeDesk-RPi-X.Y.Z-arm64.deb
sudo wakedesk-host fix-display
sudo reboot
```

IMPORTANT: Use `apt-get install ./filename.deb` (not `dpkg -i`).
The apt method resolves all dependencies automatically.

FIRST-TIME ACTIVATION

1. Open the WakeDesk dashboard (wakedesk-host-gui)
2. Go to Settings → License

3. Enter your:
 - Customer email
 - Account password
 - License key
4. Click Activate

Your WakeDesk Device ID and one-time password appear on the main dashboard. Share the Device ID with whoever needs to connect remotely.

CONNECTING REMOTELY

From WakeDesk on another computer (Kali, Ubuntu, Windows, etc.):

1. Open WakeDesk
2. Enter the Pi's Device ID in the search/connect bar
3. Enter the one-time password shown on the Pi's dashboard (or the permanent password if one has been set)
4. Click Connect

PASSWORDS

One-time password (OTP):

- Displayed on the main dashboard
- Rotates each time you click the refresh icon
- Safe to share for a single session

Permanent password (optional):

- Set in the dashboard under Settings
- Not displayed – write it down and store it safely
- Works alongside the OTP (both passwords accepted simultaneously)
- Use to reconnect if the OTP has rotated

SERVICE MANAGEMENT

Check status:

```
sudo systemctl status wakedesk wakedesk-host --no-pager
```

Restart services:

```
sudo systemctl restart wakedesk wakedesk-host
```

Stop services:

```
sudo systemctl stop wakedesk wakedesk-host
```

View host agent status:

```
sudo wakedesk-host status
```

Diagnose (shows IDs, connection state, environment):

```
sudo wakedesk-host diagnose
```

HEADLESS / NO MONITOR SETUP

WakeDesk works without a physical monitor attached.

The installer automatically:

- Adds `video=HDMI-A-1:1920x1080@60D` to `/boot/firmware/cmdline.txt`
- Configures HDMI hotplug and framebuffer size in `config.txt`
- Sets up LightDM autologin for the wakeos user

If the Pi is used headlessly and the desktop doesn't appear after a reboot, run:

```
sudo wakedesk-host configure-headless
```

WAYLAND / SCREEN CAPTURE

Raspberry Pi OS Bookworm on Pi 5 defaults to the Wayfire Wayland compositor. WakeDesk requires X11 for screen capture.

The installer switches the session to X11 automatically (via `raspi-config do_wayland W1`). A reboot is required.

If you see "Wayland screen capture failed" after installing:

```
sudo wakedesk-host fix-display
sudo reboot
```

BACKUP AND RESTORE

Create a backup (saves activation, config, and ID):
`sudo wakedesk-host backup`

Backups are stored in: `/home/wakeos/wakedesk-backups/`

Restore from backup:
`sudo wakedesk-host restore /home/wakeos/wakedesk-backups/<file>.tar.gz`

UNINSTALL

Recommended (removes the package but keeps this device's Device ID and license activation, so reinstalling reconnects to the same device):

```
sudo bash uninstall_wakedesk.sh
```

To also delete saved backups:

```
sudo bash uninstall_wakedesk.sh --all
```

Permanently decommissioning this device? Also wipe its Device ID and license activation (it will need to be re-registered if reinstalled):

```
sudo bash uninstall_wakedesk.sh --purge-identity
```

Manual alternative:

```
sudo apt-get remove --purge wakedesk-rpi
sudo apt-get autoremove
```

SUPPORT

Email: `support@cybertechus.com`
Subject: Include your Device ID and OS version

Useful info for support requests:

```
sudo wakedesk-host diagnose
sudo wakedesk-host status
dpkg -s wakedesk-rpi | grep Version
```