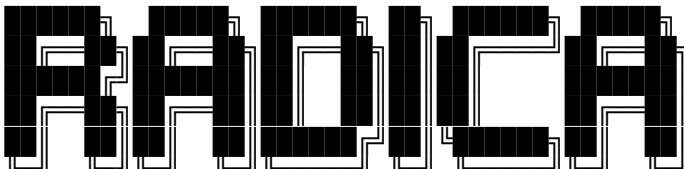


```
=====
RADICO Connectivity Troubleshooter Log
Started: Tue Jun 17 09:06:05 AM CDT 2025
OS: Ubuntu 24.04
=====
```

```
[2025-06-17 09:06:05] =====
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[2025-06-17 09:06:05]
[2025-06-17 09:06:05] Connectivity Troubleshooter v2.0
[2025-06-17 09:06:05] Enhanced with AI-Powered Assistance
[2025-06-17 09:06:05] =====
```

```
#[0;34m=== Connectivity Troubleshooter Tool Verification ===#[0m
```

```
#[1;33mChecking required tools...#[0m
#[0;32m/#[0m ifconfig - installed
#[0;32m/#[0m netstat - installed
#[0;32m/#[0m iptables - installed
#[0;32m/#[0m hcitool - installed
#[0;32m/#[0m iwconfig - installed
#[0;32m/#[0m hciconfig - installed
#[0;32m/#[0m ip - installed
#[0;31mx#[0m iw - missing
#[0;32m/#[0m lsof - installed
#[0;32m/#[0m ufw - installed
#[0;32m/#[0m btmon - installed
#[0;32m/#[0m traceroute - installed
#[0;32m/#[0m journalctl - installed
#[0;32m/#[0m mii-tool - installed
#[0;31mx#[0m dhclient - missing
#[0;32m/#[0m mtr - installed
#[0;32m/#[0m ss - installed
#[0;32m/#[0m bluetoothctl - installed
#[0;32m/#[0m wpa_supplicant - installed
#[0;32m/#[0m lsusb - installed
#[0;32m/#[0m wpa_passphrase - installed
#[0;32m/#[0m systemctl - installed
#[0;32m/#[0m dig - installed
#[0;32m/#[0m tracepath - installed
#[0;32m/#[0m ping - installed
#[0;32m/#[0m ethtool - installed
#[0;32m/#[0m nslookup - installed
#[0;32m/#[0m route - installed
#[0;32m/#[0m iwlist - installed
#[0;32m/#[0m host - installed
#[0;31mx#[0m hcidump - missing
#[0;32m/#[0m lspci - installed
#[0;32m/#[0m rfkill - installed
```

```
#[0;31mMissing tools:#[0m iw dhclient hcidump
```

```
#[1;33mRequired packages:#[0m iw isc-dhcp-client bluez-hcidump
```

```
#[0;34mVerifying package availability...#[0m
```

```
#[0;34mInstallation command for apt-get:#[0m
```

```
#[1;33msudo apt-get install -y #[1;33mChecking package availability and
dependencies...#[0m#[0m
```

```
#[1;33mWould you like to install the available packages now? (y/N)#[0m
```

```

#[1;33mSkipping installation. Some commands may fail without required tools.#[0m
#[0;34mTo install manually, run:#[0m
#[1;33msudo apt-get install -y #[1;33mChecking package availability and
dependencies...#[0m#[0m

#[0;35m=== AI Assistance Available ===#[0m
#[1;33mThis script includes AI-powered troubleshooting features.#[0m
#[0;34mAI can help analyze network issues and suggest solutions.#[0m

#[0;32mAI services are available and ready to use.#[0m
#[1;33mWould you like to enable AI assistance? (y/N)#[0m
#[1;33mAI features disabled. You can enable them with --ai-enabled#[0m

#[0;34m=== Starting Connectivity Troubleshooting ===#[0m

#[0;34m=== Comprehensive Network Diagnostics ===#[0m
#[0;36m=== Ethernet Diagnostics ===#[0m
#[0;34mChecking ethernet interfaces...#[0m
2: enp1s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP
mode DEFAULT group default qlen 1000

#[0;34mChecking enp1s0 status...#[0m
    Link detected: yes

#[0;36m=== WiFi Diagnostics ===#[0m
#[0;34mChecking rfkill status...#[0m
0: hci0: Bluetooth
    Soft blocked: no
    Hard blocked: no
1: phy0: Wireless LAN
    Soft blocked: yes
    Hard blocked: no
#[0;31m⚠ Wireless is soft-blocked#[0m

#[0;34mChecking wlp2s0 status...#[0m
wlp2s0    IEEE 802.11  ESSID:off/any
          Mode:Managed  Access Point: Not-Associated   Tx-Power=off
          Retry short limit:7   RTS thr:off   Fragment thr:off
          Encryption key:off
          Power Management:on

#[0;36m=== Bluetooth Diagnostics ===#[0m
#[0;34mChecking bluetooth service...#[0m
• bluetooth.service - Bluetooth service
    Loaded: loaded (/usr/lib/systemd/system/bluetooth.service; enabled; preset:
enabled)
    Active: active (running) since Tue 2025-06-17 08:15:43 CDT; 50min ago
    Docs: man:bluetoothd(8)
    Main PID: 922 (bluetoothd)
    Status: "Running"
    Tasks: 1 (limit: 18700)
    Memory: 3.8M (peak: 4.1M)
    CPU: 15.020s
    CGroup: /system.slice/bluetooth.service
            └─922 /usr/libexec/bluetooth/bluetoothd

Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/aptx_ll_1
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/aptx_ll_0
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/aptx_ll_duplex_1
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61

```

```
path=/MediaEndpoint/A2DPSource/aptx_ll_duplex_0
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/faststream
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/faststream_duplex
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSink/opus_05
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/opus_05
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSink/opus_05_duplex
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/opus_05_duplex
```

```
#[0;34mChecking bluetooth controllers...#[0m
```

```
hci0: Type: Primary Bus: USB
```

```
BD Address: 6C:05:D3:43:35:68 ACL MTU: 1021:8 SCO MTU: 255:12
```

```
UP RUNNING PSCAN
```

```
RX bytes:1345973 acl:78726 sco:0 events:372 errors:0
```

```
TX bytes:44082 acl:76 sco:0 commands:253 errors:0
```

```
Features: 0xff 0xff 0xff 0xfe 0xdb 0xfd 0x7b 0x87
```

```
Packet type: DM1 DM3 DM5 DH1 DH3 DH5 HV1 HV2 HV3
```

```
Link policy: RSWITCH HOLD SNIFF PARK
```

```
Link mode: PERIPHERAL ACCEPT
```

```
Name: 'Kubuntu'
```

```
Class: 0x7c0104
```

```
Service Classes: Rendering, Capturing, Object Transfer, Audio, Telephony
```

```
Device Class: Computer, Desktop workstation
```

```
HCI Version: 4.2 (0x8) Revision: 0x75b8
```

```
LMP Version: 4.2 (0x8) Subversion: 0xf098
```

```
Manufacturer: Realtek Semiconductor Corporation (93)
```

```
#[0;32m=== Troubleshooting Complete ===#[0m
```

```
#[0;36m=== Connection Status Report ===#[0m
```

```
#[0;34mInterface Status Summary:#[0m
```

```
#[1;33m📶 Ethernet (enp1s0):#[0m enabled / traffic
```

```
#[1;33m📶 WiFi (wlp2s0):#[0m disabled / nil
```

```
#[1;33m📶 Bluetooth:#[0m enabled / traffic
```

```
#[1;33m🔄 Loopback:#[0m enabled / traffic
```

```
#[1;33m🔒 VPN:#[0m disabled / nil
```

```
#[0;34mLegend:#[0m
```

```
#[0;32menabled#[0m - Interface is up and operational
```

```
#[0;31mdisabled#[0m - Interface is down or unavailable
```

```
#[0;32mtraffice#[0m - Active data transmission detected
```

```
#[1;33midle#[0m - Interface ready but no significant traffic
```

```
#[0;31mnil#[0m - No connectivity or interface unavailable
```

```
[2025-06-17 09:10:24]
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[2025-06-17 09:10:24]
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[2025-06-17 09:10:24]
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[2025-06-17 09:10:24]
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[2025-06-17 09:10:24]
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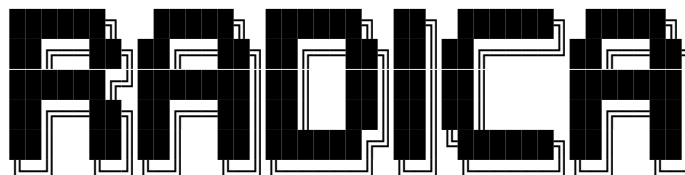
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[2025-06-17 09:10:24]
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[2025-06-17 09:10:24]
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[2025-06-17 09:10:24]
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[2025-06-17 09:10:24]
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[2025-06-17 09:10:24]
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```
Connectivity Troubleshooter v2.0
```

```
Enhanced with AI-Powered Assistance
```