

warum funktioniert meine thinpad docking station nicht? l13 yoga g4 mit fedora kde [ 332.715748] usb 1-1: new high-speed USB device number 68 using xhci\_hcd [ 332.859986] usb 1-1: New USB device found, idVendor=17ef, idProduct=30af, bcdDevice=60.90 [ 332.860004] usb 1-1: New USB device strings: Mfr=10, Product=11, SerialNumber=0 [ 332.860011] usb 1-1: Product: USB2.0 Hub [ 332.860017] usb 1-1: Manufacturer: Lenovo [ 332.895400] hub 1-1:1.0: USB hub found [ 332.895901] hub 1-1:1.0: 3 ports detected [ 332.946173] thinkpad\_acpi: undocked from hotplug port replicator [ 333.061700] [drm] DM\_MST: starting TM on aconnector: 0000000065e20015 [id: 115] [ 333.067290] [drm] DM\_MST: DP14, 2-lane link detected [ 333.182381] usb 1-1.1: new high-speed USB device number 69 using xhci\_hcd [ 333.258259] [drm] Downstream port present 1, type 2 [ 333.279285] usb 1-1.1: New USB device found, idVendor=17ef, idProduct=30ac, bcdDevice=51.04 [ 333.279300] usb 1-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 333.279305] usb 1-1.1: Product: USB2.0 Hub [ 333.279310] usb 1-1.1: Manufacturer: VIA Labs, Inc. [ 333.279314] usb 1-1.1: SerialNumber: 000000001 [ 333.342903] hub 1-1.1:1.0: USB hub found [ 333.343984] hub 1-1.1:1.0: 4 ports detected [ 333.360250] [drm] Downstream port present 1, type 2 [ 333.437525] usb 2-1: new SuperSpeed Plus Gen 2x1 USB device number 44 using xhci\_hcd [ 333.559055] usb 2-1: New USB device found, idVendor=17ef, idProduct=30ab, bcdDevice=51.04 [ 333.559067] usb 2-1: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 333.559072] usb 2-1: Product: USB3.1 Hub [ 333.559076] usb 2-1: Manufacturer: VIA Labs, Inc. [ 333.559080] usb 2-1: SerialNumber: 000000001 [ 333.581877] hub 2-1:1.0: USB hub found [ 333.582215] hub 2-1:1.0: 4 ports detected [ 333.724353] usb 1-1.2: new full-speed USB device number 70 using xhci\_hcd [ 333.852956] usb 1-1.2: New USB device found, idVendor=17ef, idProduct=30b0, bcdDevice= 0.40 [ 333.852973] usb 1-1.2: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 333.852980] usb 1-1.2: Product: ThinkPad USB-C Dock Audio [ 333.852986] usb 1-1.2: Manufacturer: Lenovo [ 333.852992] usb 1-1.2: SerialNumber: 000000000000 [ 334.076588] [drm] MST\_DSC Send DSC enable to synaptics [ 334.139532] usb 1-1.1.3: new high-speed USB device number 71 using xhci\_hcd [ 334.226803] hid-generic 0003:17EF:30B0.0006: hiddev96,hidraw2: USB HID v1.11 Device [Lenovo ThinkPad USB-C Dock Audio] on usb-0000:07:00.3-1.2/input3 [ 334.285185] usb 1-1.1.3: New USB device found, idVendor=17ef, idProduct=30ae, bcdDevice=51.03 [ 334.285207] usb 1-1.1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 334.285214] usb 1-1.1.3: Product: USB2.0 Hub [ 334.285220] usb 1-1.1.3: Manufacturer: VIA Labs, Inc. [ 334.285225] usb 1-1.1.3: SerialNumber: 000000001 [ 334.334576] hub 1-1.1.3:1.0: USB hub found [ 334.335054] hub 1-1.1.3:1.0: 4 ports detected [ 334.348353] [drm] MST\_DSC Send DSC enable to synaptics [ 334.365894] usb 2-1.1: new SuperSpeed USB device number 45 using xhci\_hcd [ 334.377319] usb 2-1.1: New USB device found, idVendor=0bda, idProduct=8153, bcdDevice=31.23 [ 334.377326] usb 2-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=6 [ 334.377340] usb 2-1.1: Product: Realtek USB LAN [ 334.377344] usb 2-1.1: Manufacturer: Realtek [ 334.377347] usb 2-1.1: SerialNumber: 3213000001 [ 334.471350] usb 1-1.3: new full-speed USB device number 72 using xhci\_hcd [ 334.592338] usb 1-1.3: New USB device found, idVendor=17ef, idProduct=30a9, bcdDevice=30.57 [ 334.592345] usb 1-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 334.592348] usb 1-1.3: Product: 40AY [ 334.592351] usb 1-1.3: Manufacturer: Lenovo [ 334.592354] usb 1-1.3: SerialNumber: 1SSD21B41469ZVQ0LRMM [ 334.688122] r8152-cfgselector 2-1.1: reset SuperSpeed USB device number 45 using xhci\_hcd [ 334.785051] r8152 2-1.1:1.0 (unnamed net\_device) (uninitialized): Using pass-thru MAC addr 84:ba:59:86:28:ae [ 334.787994] r8152 2-1.1:1.0 eth0: v1.12.13 [ 334.880347] usb 2-1.3: new SuperSpeed Plus Gen 2x1 USB device number 46 using xhci\_hcd [ 334.923806] usb 2-1.3: New USB device found, idVendor=17ef, idProduct=30ad, bcdDevice=51.03 [ 334.923815] usb 2-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 334.923819] usb 2-1.3: Product: USB3.1 Hub [ 334.923822] usb 2-1.3: Manufacturer: VIA Labs, Inc. [ 334.923825] usb 2-1.3: SerialNumber: 000000001 [ 335.038738] hub 2-1.3:1.0: USB hub found [ 335.039001] hub 2-1.3:1.0: 4 ports detected [ 335.181448] r8152 2-1.1:1.0 enp7s0f3u1u1: renamed from eth0 [ 336.652989] [drm] DM\_MST: stopping TM on aconnector: 0000000065e20015 [id: 115] [ 336.685343] usb 2-1: USB disconnect, device number 44 [ 336.685351] r8152-cfgselector 2-1.1: USB disconnect, device number

45 [ 336.685525] r8152 2-1.1:1.0 enp7s0f3u1u1: Stop submitting intr, status -108 [ 336.734059] usb 2-1.3: USB disconnect, device number 46 [ 336.988407] usb 1-1.1: reset high-speed USB device number 69 using xhci\_hcd [ 337.638702] thinkpad\_acpi: undocked from hotplug port replicator [ 337.700654] usb 1-1.3: USB disconnect, device number 72 [ 337.761472] hub 1-1.1:1.0: hub\_ext\_port\_status failed (err = -71) [ 337.761718] usb 1-1.1-port1: cannot reset (err = -71) [ 337.761967] usb 1-1.1-port1: cannot reset (err = -71) [ 337.762217] usb 1-1.1-port1: cannot reset (err = -71) [ 337.762465] usb 1-1.1-port1: cannot reset (err = -71) [ 337.762468] usb 1-1.1-port1: Cannot enable. Maybe the USB cable is bad? [ 337.762716] usb 1-1.1-port1: cannot disable (err = -71) [ 337.763088] usb 1-1.1-port1: cannot reset (err = -71) [ 337.763342] usb 1-1.1-port1: cannot reset (err = -71) [ 337.763581] usb 1-1.1-port1: cannot reset (err = -71) [ 337.763829] usb 1-1.1-port1: cannot reset (err = -71) [ 337.764085] usb 1-1.1-port1: cannot reset (err = -71) [ 337.764088] usb 1-1.1-port1: Cannot enable. Maybe the USB cable is bad? [ 337.764339] usb 1-1.1-port1: cannot disable (err = -71) [ 337.764378] usb 1-1.1-port1: attempt power cycle [ 337.887424] usb 1-1.1: USB disconnect, device number 69 [ 338.535076] thinkpad\_acpi: undocked from hotplug port replicator [ 338.652143] [drm] DM\_MST: starting TM on aconnector: 0000000065e20015 [id: 115] [ 338.657394] [drm] DM\_MST: DP14, 2-lane link detected [ 338.763801] usb 2-1: new SuperSpeed Plus Gen 2x1 USB device number 47 using xhci\_hcd [ 338.805378] usb 2-1: New USB device found, idVendor=17ef, idProduct=30ab, bcdDevice=51.04 [ 338.805387] usb 2-1: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 338.805391] usb 2-1: Product: USB3.1 Hub [ 338.805395] usb 2-1: Manufacturer: VIA Labs, Inc. [ 338.805398] usb 2-1: SerialNumber: 000000001 [ 338.830223] hub 2-1:1.0: USB hub found [ 338.830315] usb 1-1.1.3: USB disconnect, device number 71 [ 338.830396] hub 2-1:1.0: 4 ports detected [ 339.014431] usb 1-1.1: new high-speed USB device number 77 using xhci\_hcd [ 339.093550] usb 1-1.1: New USB device found, idVendor=17ef, idProduct=30ac, bcdDevice=51.04 [ 339.093565] usb 1-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 339.093571] usb 1-1.1: Product: USB2.0 Hub [ 339.093577] usb 1-1.1: Manufacturer: VIA Labs, Inc. [ 339.093582] usb 1-1.1: SerialNumber: 000000001 [ 339.134309] hub 1-1.1:1.0: USB hub found [ 339.134524] hub 1-1.1:1.0: 4 ports detected [ 339.493418] usb 2-1.1: new SuperSpeed USB device number 48 using xhci\_hcd [ 339.506030] usb 2-1.1: New USB device found, idVendor=0bda, idProduct=8153, bcdDevice=31.23 [ 339.506035] usb 2-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=6 [ 339.506039] usb 2-1.1: Product: Realtek USB LAN [ 339.506041] usb 2-1.1: Manufacturer: Realtek [ 339.506044] usb 2-1.1: SerialNumber: 3213000001 [ 339.567562] usb 1-1.3: new full-speed USB device number 78 using xhci\_hcd [ 339.672671] usb 1-1.3: New USB device found, idVendor=17ef, idProduct=30a9, bcdDevice=30.57 [ 339.672680] usb 1-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 339.672684] usb 1-1.3: Product: 40AY [ 339.672688] usb 1-1.3: Manufacturer: Lenovo [ 339.672691] usb 1-1.3: SerialNumber: 1SSD21B41469ZVQ0LRMM [ 339.742088] r8152-cfgselector 2-1.1: reset SuperSpeed USB device number 48 using xhci\_hcd [ 339.808558] r8152 2-1.1:1.0 (unnamed net\_device) (uninitialized): Using pass-thru MAC addr 84:ba:59:86:28:ae [ 339.811751] r8152 2-1.1:1.0 eth0: v1.12.13 [ 339.929422] usb 1-1.1.3: new high-speed USB device number 79 using xhci\_hcd [ 340.069411] usb 1-1.1.3: New USB device found, idVendor=17ef, idProduct=30ae, bcdDevice=51.03 [ 340.069420] usb 1-1.1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 340.069424] usb 1-1.1.3: Product: USB2.0 Hub [ 340.069428] usb 1-1.1.3: Manufacturer: VIA Labs, Inc. [ 340.069432] usb 1-1.1.3: SerialNumber: 000000001 [ 340.126107] hub 1-1.1.3:1.0: USB hub found [ 340.126586] hub 1-1.1.3:1.0: 4 ports detected [ 340.157768] usb 2-1.3: new SuperSpeed Plus Gen 2x1 USB device number 49 using xhci\_hcd [ 340.320736] usb 2-1.3: New USB device found, idVendor=17ef, idProduct=30ad, bcdDevice=51.03 [ 340.320746] usb 2-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 340.320751] usb 2-1.3: Product: USB3.1 Hub [ 340.320755] usb 2-1.3: Manufacturer: VIA Labs, Inc. [ 340.320759] usb 2-1.3: SerialNumber: 000000001 [ 340.382142] hub 2-1.3:1.0: USB hub found [ 340.382422] hub 2-1.3:1.0: 4 ports detected [ 340.547130] r8152 2-1.1:1.0 enp7s0f3u1u1: renamed from eth0 [ 340.887965] [drm] Downstream port present 1, type 2 [ 341.064296] [drm] DM\_MST: stopping TM on aconnector: 0000000065e20015 [id: 115] [

341.101594] usb 2-1: USB disconnect, device number 47 [ 341.101601] r8152-cfgselector 2-1.1: USB disconnect, device number 48 [ 341.101796] r8152 2-1.1:1.0 enp7s0f3u1u1: Stop submitting intr, status -108 [ 341.149997] usb 2-1.3: USB disconnect, device number 49 [ 341.215527] usb 1-1.1: USB disconnect, device number 77 [ 341.215536] usb 1-1.1.3: USB disconnect, device number 79 [ 341.456363] usb 1-1.1: new high-speed USB device number 80 using xhci\_hcd [ 341.533406] usb 1-1.1: New USB device found, idVendor=17ef, idProduct=30ac, bcdDevice=51.04 [ 341.533414] usb 1-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 341.533419] usb 1-1.1: Product: USB2.0 Hub [ 341.533423] usb 1-1.1: Manufacturer: VIA Labs, Inc. [ 341.533427] usb 1-1.1: SerialNumber: 000000001 [ 341.598145] hub 1-1.1:1.0: USB hub found [ 341.598415] hub 1-1.1:1.0: 4 ports detected [ 342.049667] thinkpad\_acpi: undocked from hotplug port replicator [ 342.239348] usb 1-1.1: USB disconnect, device number 80 [ 342.465432] usb 1-1.1: new high-speed USB device number 81 using xhci\_hcd [ 342.546043] usb 1-1.1: New USB device found, idVendor=17ef, idProduct=30ac, bcdDevice=51.04 [ 342.546054] usb 1-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 342.546058] usb 1-1.1: Product: USB2.0 Hub [ 342.546061] usb 1-1.1: Manufacturer: VIA Labs, Inc. [ 342.546063] usb 1-1.1: SerialNumber: 000000001 [ 342.590366] hub 1-1.1:1.0: USB hub found [ 342.590699] hub 1-1.1:1.0: 4 ports detected [ 342.941947] thinkpad\_acpi: undocked from hotplug port replicator [ 343.173128] usb 2-1: new SuperSpeed Plus Gen 2x1 USB device number 50 using xhci\_hcd [ 343.216266] usb 2-1: New USB device found, idVendor=17ef, idProduct=30ab, bcdDevice=51.04 [ 343.216277] usb 2-1: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 343.216281] usb 2-1: Product: USB3.1 Hub [ 343.216283] usb 2-1: Manufacturer: VIA Labs, Inc. [ 343.216286] usb 2-1: SerialNumber: 000000001 [ 343.246649] hub 2-1:1.0: USB hub found [ 343.264559] usb 1-1.3: USB disconnect, device number 78 [ 343.296888] hub 2-1:1.0: 4 ports detected [ 344.108399] usb 1-1.3: new full-speed USB device number 83 using xhci\_hcd [ 344.214012] usb 1-1.3: New USB device found, idVendor=17ef, idProduct=30a9, bcdDevice=30.57 [ 344.214029] usb 1-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 344.214036] usb 1-1.3: Product: 40AY [ 344.214042] usb 1-1.3: Manufacturer: Lenovo [ 344.214047] usb 1-1.3: SerialNumber: 1SSD21B41469ZVQ0LRMM [ 344.258564] usb 2-1.1: new SuperSpeed USB device number 51 using xhci\_hcd [ 344.271108] usb 2-1.1: New USB device found, idVendor=0bda, idProduct=8153, bcdDevice=31.23 [ 344.271124] usb 2-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=6 [ 344.271131] usb 2-1.1: Product: Realtek USB LAN [ 344.271137] usb 2-1.1: Manufacturer: Realtek [ 344.271142] usb 2-1.1: SerialNumber: 3213000001 [ 344.395359] usb 1-1.1.3: new high-speed USB device number 84 using xhci\_hcd [ 344.536431] usb 1-1.1.3: New USB device found, idVendor=17ef, idProduct=30ae, bcdDevice=51.03 [ 344.536442] usb 1-1.1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 344.536447] usb 1-1.1.3: Product: USB2.0 Hub [ 344.536451] usb 1-1.1.3: Manufacturer: VIA Labs, Inc. [ 344.536455] usb 1-1.1.3: SerialNumber: 000000001 [ 344.574925] hub 1-1.1.3:1.0: USB hub found [ 344.575359] hub 1-1.1.3:1.0: 4 ports detected [ 344.638034] r8152-cfgselector 2-1.1: reset SuperSpeed USB device number 51 using xhci\_hcd [ 344.736527] r8152 2-1.1:1.0 (unnamed net\_device) (uninitialized): Using pass-thru MAC addr 84:ba:59:86:28:ae [ 344.738802] r8152 2-1.1:1.0 eth0: v1.12.13 [ 344.824159] usb 2-1.3: new SuperSpeed Plus Gen 2x1 USB device number 52 using xhci\_hcd [ 344.866532] usb 2-1.3: New USB device found, idVendor=17ef, idProduct=30ad, bcdDevice=51.03 [ 344.866541] usb 2-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3 [ 344.866544] usb 2-1.3: Product: USB3.1 Hub [ 344.866547] usb 2-1.3: Manufacturer: VIA Labs, Inc. [ 344.866549] usb 2-1.3: SerialNumber: 000000001 [ 344.926217] hub 2-1.3:1.0: USB hub found [ 344.926461] hub 2-1.3:1.0: 4 ports detected [ 345.048381] EDID block 0 is all zeroes [ 345.048389] [drm:link\_add\_remote\_sink [amdgpu]] \*ERROR\* Bad EDID, status3! [ 345.071055] r8152 2-1.1:1.0 enp7s0f3u1u1: renamed from eth0 [ 345.129870] [drm] DM\_MST: starting TM on aconnector: 0000000065e20015 [id: 115] [ 345.135108] [drm] DM\_MST: DP14, 2-lane link detected [ 348.639899] r8152 2-1.1:1.0 enp7s0f3u1u1: carrier on [ 353.170492] amdgpu 0000:07:00:0: [drm] \*ERROR\* Sending link address failed with -5

Kurzfassung: Die Dockingstation wird ständig neu erkannt und wieder getrennt. In den Logs sieht man

typische USB-C/Thunderbolt-Link-Abbrüche (-71, -108), MST/DP-Fehler und kaputte EDID-Daten. Das ist fast nie „KDE kaputt“, sondern ein Stabilitätsproblem zwischen Notebook ↔ Kabel ↔ Dock ↔ Firmware ↔ Kernel.

Ich gehe das strukturiert durch.

Was man in deinem Log klar sieht 1. USB-Fehler -71 (PROTO error) hub\_ext\_port\_status failed (err = -71) Cannot enable. Maybe the USB cable is bad?

→ Klassiker für:

schlechtes / nicht vollwertiges USB-C-Kabel

Wackelkontakt am USB-C-Port

Dock bekommt kurz zu wenig Strom

Firmware-Bug im Dock

Das ist kein Softwarefehler allein.

2. Ständiges Dock / Undock thinkpad\_acpi: undocked from hotplug port replicator

→ Das System „denkt“, das Dock wird physisch abgezogen – obwohl es steckt. Das passiert nur, wenn:

die USB-C-Verbindung kurz komplett zusammenbricht

oder die Dock-Firmware neu startet

3. DisplayPort MST + EDID kaputt EDID block 0 is all zeroes \*ERROR\* Bad EDID DM\_MST: starting / stopping TM

→ Der Monitor meldet keine gültigen Bildschirmdaten mehr. Das ist typisch für:

instabile DP-MST-Verbindung über USB-C

Lenovo-Docks mit älterer Firmware

Kernel + amdgpu + MST (leider bekannt anfällig)

4. Netzwerk (Realtek r8152) wird dauernd resetet r8152: Stop submitting intr, status -108 USB disconnect

→ Auch hier: USB-Bus bricht komplett weg, nicht nur Video.

Wahrscheinlichste Ursachen (nach Häufigkeit) □ 1. USB-C-Kabel

Auch wenn es „lädt“:

Viele Kabel sind USB-C 2.0 only

Oder können kein stabiles DP + USB + Power gleichzeitig

Oder sind mechanisch ausgelutscht

□ Test:

Anderes kurzes, hochwertiges USB-C-Kabel (USB-C 3.2 / 40 Gbps)

Kein No-Name, ideal: original Lenovo oder TB-zertifiziert

□ 2. Dock-Firmware veraltet (sehr häufig bei Lenovo!)

Dein Dock:

Product: 40AY

Das ist ein ThinkPad USB-C Dock Gen 2.

→ Diese Docks sind berüchtigt, wenn die Firmware alt ist.

Symptome passen perfekt.

□ Lösung:

Firmware unter Windows updaten (Lenovo Dock Firmware Utility)

Linux kann das nicht zuverlässig

Danach sind diese Flap-Probleme oft weg

□ 3. Kernel / amdgpu / MST

Fedora KDE = sehr aktueller Kernel → gut, aber:

AMDGPU + MST + Lenovo Dock = immer noch heikel

Besonders bei 2-Lane DP14, was dein Log zeigt

□ Test:

Nur einen Monitor anschließen

Oder MST im Monitor deaktivieren

Oder testweise:

`amdgpu.dc=0`

(nur zum Test, hat Nebenwirkungen)

□ 4. Stromversorgung

Wenn das Dock:

nicht sein Original-Netzteil nutzt

oder Mehrfachsteckdose mit Spannungsabfall

→ Dock reboottet → USB-Reset → genau dieses Log

Konkrete To-Do-Liste (in sinnvoller Reihenfolge)

Anderes USB-C-Kabel testen

Dock-Firmware updaten (Windows!)

Nur einen Monitor testen

Anderen USB-C-Port am Yoga probieren

Testweise:

```
sudo dmesg -w
```

und Dock anstecken → schauen, ob es sofort wieder flapped

Wichtig

□ Das ist sehr wahrscheinlich kein Fedora- oder KDE-Fehler, sondern:

Kabel

Dock-Firmware

oder bekannte Lenovo-USB-C-Dock-Probleme mit MST

Wenn du willst, sag mir noch:

Welche Fedora-Version / Kernel

Wie viele Monitore + Auflösung

Original-Netzteil am Dock?

Dann sag ich dir ziemlich genau, welche Stellschraube bei dir die richtige ist.

usb kabel ist hochwertig, nur einen monitor nutzen ist ja keine loesung ... firmware kann ich mal updaten

Verstanden □ Dann bleiben wir technisch sauber – und realistisch: „nur ein Monitor“ ist natürlich keine Lösung, sondern höchstens ein Diagnose-Workaround. Dein Log zeigt ziemlich eindeutig, wo es hakt.

Was damit übrig bleibt (sehr klar aus dem Log)

Wenn

Kabel gut ist □

mehrere Monitore Pflicht sind □

dann ist die Firmware + MST-Implementierung der kritische Punkt.

Dein Stack ist:

ThinkPad L13 Yoga G4 (AMD)

USB-C Dock Gen 2 (40AY)

DP MST über USB-C

amdgpu + Fedora (sehr neuer Kernel)

Das ist leider genau die Kombination, die bei alter Dock-Firmware instabil wird.

Warum die Firmware hier so entscheidend ist

Die Dock-Firmware steuert:

USB-Hubs

DP-MST-Switch

Power-Delivery

EDID-Weitergabe

Und dein Log zeigt:

```
EDID block 0 is all zeroes DM_MST: starting / stopping USB disconnect err = -71
```

→ Das Dock liefert zeitweise Müll an den Kernel. Linux reagiert korrekt – aber gnadenlos.

Unter Windows fällt das oft weniger auf, weil Lenovo dort Workarounds einbaut.

Firmware-Update: das WICHTIGSTE zuerst ☐ Unbedingt beachten:

Direkt anschließen (kein KVM, kein Zwischenadapter)

Monitore während des Updates abziehen

Dock-Netzteil angeschlossen

Notebook am Strom

☐ Lenovo-Tool:

ThinkPad USB-C Dock Gen 2 Firmware Utility

Nach dem Update:

Dock 30 Sekunden komplett stromlos

Erst dann wieder anstecken

Danach: Linux-seitige Feinjustierung (ohne „nur ein Monitor“) 1. MST stabilisieren (bewährt)

In /etc/default/grub:

```
GRUB_CMDLINE_LINUX=„amdgpu.dc=1 amdgpu.dcdebugmask=0x10“
```

Dann:

```
sudo grub2-mkconfig -o /boot/grub2/grub.cfg sudo reboot
```

→ Das reduziert aggressive MST-Retrains.

## 2. EDID-Problem umgehen (optional, aber effektiv)

Wenn dein Monitor ein bekanntes Modell ist:

EDID einmal sauber auslesen

fest hinterlegen

Das verhindert:

Bad EDID

(ist etwas Aufwand – sag Bescheid, dann gebe ich dir die exakten Schritte)

## 3. USB-Autosuspend abschalten (gegen Disconnects) `sudo grubby --update-kernel=ALL --args=„usbcore.autosuspend=-1“`

Hilft oft bei:

USB disconnect r8152 reset

Realistische Erwartung

Mit:

aktueller Dock-Firmware

aktuellem Fedora Kernel

den obigen Parametern

→ laufen 2 Monitore stabil bei den meisten Leuten mit genau dieser Hardware.

Ohne Firmware-Update: → niemals stabil, egal welches Linux.

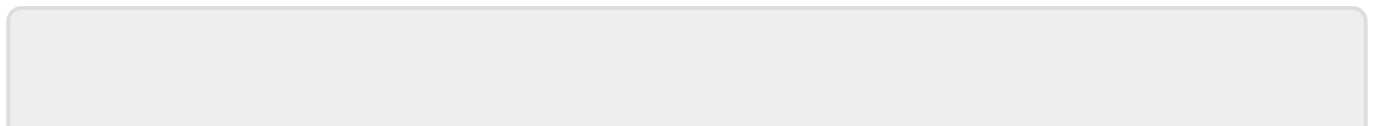
Sag mir danach bitte:

Firmware-Version vorher / nachher

Monitor-Auflösungen + Hz

HDMI oder DP am Dock?

Dann sag ich dir exakt, ob das Setup an einer bekannten MST-Grenze hängt oder ob noch Feintuning nötig ist.



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