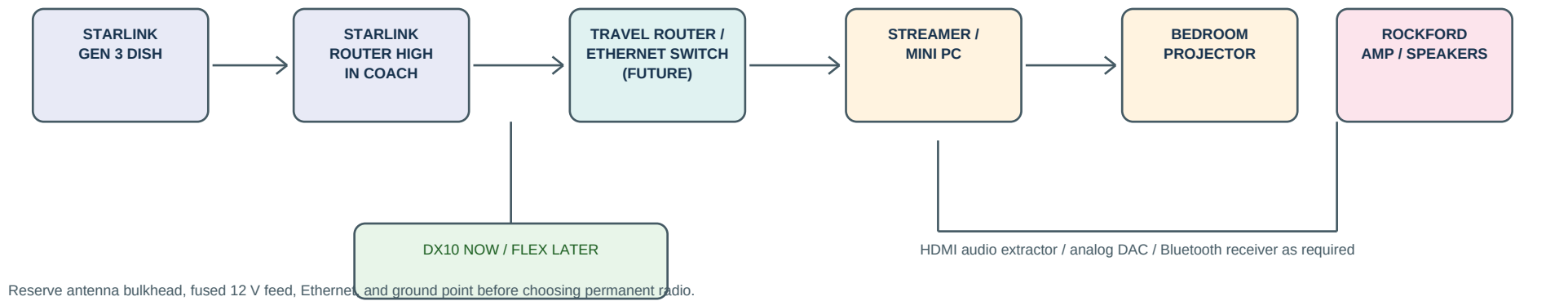


Falcon AV, Starlink & Radio Infrastructure

A staged architecture that reuses the installed speaker wiring/amp if viable, supports a bedroom projector, cleans up Starlink deployment, and leaves the Falcon ready for DX10 or FlexRadio service.

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Starlink architecture

Element	Plan
Dish	Gen 3 full-size residential dish on exterior tripod; replace oversized 27-gal tote with a slim padded/semi-rigid case.
Cable	Acquire a second long Gen 3 cable; route behind the 120 V refrigerator and exit through/near the exterior refrigerator service vent without sharp bends or hot-surface contact.
Router	Mount high inside coach (shelf/area above main door is preferred concept) for better cabin coverage and protection.
Exterior transition	Use protected pass-through/grommet, strain relief, and drip loop. Keep the connection removable so the dish remains deployable.
Third-party networking	Keep Starlink router initially. Add travel router/switch later if better LAN control, VPN, or coverage proves necessary.

Bedroom projector system

Use a compact native-1080p projector with 4K input support, automatic focus/keystone, Bluetooth audio, and a small 110 V draw. Mount to an overhead cabinet with a removable camera-style ball mount or compact projector bracket. Use a 60-80 in manual pull-down screen secured to framing or a reinforced cabinet/ceiling structure. Do not count on '4K' marketing to mean native 4K at budget-projector prices.

Rockford Fosgate audio troubleshooting / reuse path

Step	Test	Decision
1	Verify house battery voltage at head unit and amplifier; inspect all inline/chassis fuses.	If no power, repair feed/ground before replacing electronics.
2	Verify head-unit switched/ACC lead and ground.	A dead ACC trigger can make a healthy stereo look dead.
3	Confirm amplifier remote-turn-on voltage when head unit is commanded on.	If head unit wakes but amp does not, isolate remote lead / amp protection.
4	Inject known-good low-level audio into amplifier (where accessible).	If speakers/amp play cleanly, preserve installed amplifier and speaker wiring.
5	If head unit is dead, replace only the source/interface first.	Use Bluetooth/USB/aux capable head unit, DAC, or compact streamer rather than rewiring the coach.
6	Feed projector/streamer audio into cabin system via analog DAC, Bluetooth receiver, or HDMI audio extractor.	Use projectors use full-coach speakers when desired; Bose remains portable bedroom fallback.

Radio-ready infrastructure

Provision now	Why
Antenna bulkhead / weatherproof pass-through	Lets DX10, IC-705, or future Flex use external antennas without repeatedly feeding coax through doors/windows.
Fused 12 V DC feed sized for radio load	DX10 can be installed without stealing from unknown legacy wiring.
Ethernet drop near radio / network cabinet	Makes a future Flex installation painless and supports remote-control operation from table/Beam/PC.
Bond/ground point	Creates one documented RF/electrical reference point instead of improvising later.
Reserved shelf volume	Allows DX10 now; Flex 6600 or later replacement can become a headless radio with control elsewhere.

Staging recommendation

Troubleshoot and reuse the existing Rockford amp/speakers first. Finish Starlink cabling and the bedroom projector second. Add radio pass-through/power/data infrastructure while cabinets are open, but delay the expensive permanent radio decision until the rest of the Falcon systems are stable.