Airlab Version Overview (End-User Guide)

Version	Visible Features	Changes & Improvements	Notes for Users
MK1	Grey front panel	✅ Early design ✅ SUB output pot sometimes present ✅ Mono switch & 48V phantom via jumper	Check for grey panel & layout differences
MK2	Silver front panel with D&R logo on handrest	✅ Mic insert added ✅ Updated panel design ✅ Refined layout	Easier cable access, cleaner look
DT v1	Internal only (not visible outside)	✅ Power board (PWR-MO) updates ✅ USB meter/control surface added ✅ VU meter bridge removed	Better USB integration & power efficiency
DT v2	Internal only	✅ Switched to PSU-A (±15 V) ✅ Improved power stability	No visible difference
DT v3	Internal + rear	✅ Channel boards changed to SMD ✅ Reed relays replaced with optocouplers	More reliable fader start circuit
DT v4	Internal + rear	✅ Master boards changed to SMD ✅ New XLR type (Li Sheng) on rear	Check connector type before replacing parts

Airlab Channel Types (Quick Guide)

Channel Label	Type	Key Feature
1A (10A board)	Leaded	With phantom switch
1B (10A board)	Leaded	With mono switch
1C (10A board)	Leaded	Basic version
1D / 1E (10B board)	Leaded	With **insert** connector (XLR)
1A SMT (10B board)	SMD	No reed relays, with insert
1A SMT (10A SMT board)	SMD	Li Sheng XLR, insert jack

Internal Electronics – Simplified Notes

- **Relay Voltage**: Earlier models use **12V relays**, DT versions often use **5V** (sometimes relays are removed and replaced with direct links).
- **Phantom Power**: Some channels switch via toggle, others require a jumper change.
- **Insert Support**: Only some versions support insert connections (typically on 10B/SMT models).
- **Component Style**: MK1/MK2 = leaded parts; DT = SMD (smaller, modern components).

Summary for Buyers & Users

- **Silver** = **newer** (MK2 and DT); **Grey** = **older** (MK1).
- Check your power supply type (PWR-MO vs PSU-A).
- If mixing units or replacing boards, match:
  - **Relay voltage**
  - **Insert type**
  - **Component style (Leaded or SMD)**