

— WIRING · MULTIPLE DMX UNIVERSES

MaxiLINK — Data-over-Power *Multiple DMX Universes.*

Large projects run several strands in parallel — one MaxiLINK gateway + one PSU per strand, all fed from a common DMX 512 controller and a shared AC bus. Every strand terminates with its own End-of-Line Resistor.

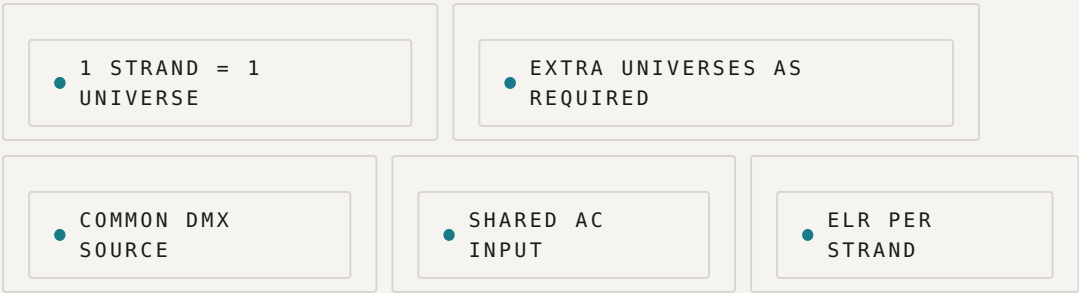
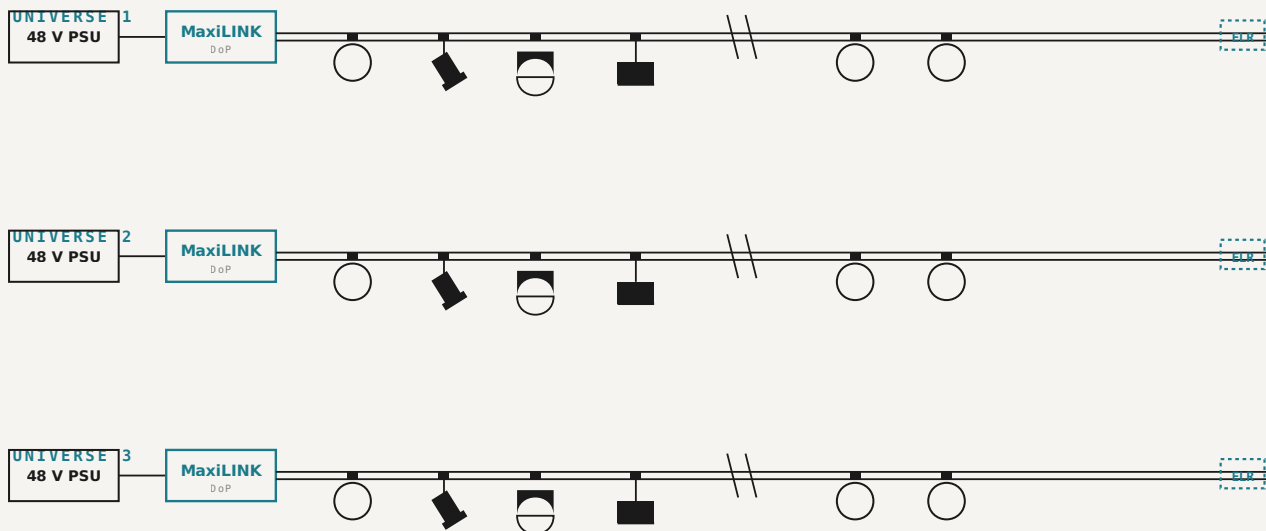


FIGURE 02 · MULTI-UNIVERSE TOPOLOGY

NTS · NOT TO SCALE



+ EXTRA UNIVERSSES AS REQUIRED

Add strands to grow the project — one MaxiLINK gateway + one PSU + one ELR per universe

All universes share ONE common DMX 512 source and ONE common 110/230 V AC bus

- **One strand = one DMX universe.** Add strands to grow the project — unlimited universes on a shared DMX 512 controller
- Each strand: one MaxiLINK gateway + one 48 V PSU + one End-of-Line Resistor
- Common DMX source feeds all universes in parallel
- Common 110/230 V AC bus feeds all PSUs
- Any MaxiLED DMX fixture type — Globe (standard / MaxiBATCAP / Small), Accent, Punch — can share the same strand within a universe
- Maximum fixtures per strand depends on the specified product — refer to each individual product datasheet
- Strand length up to 100 m (330 ft) + leader up to 75 m (246 ft) per universe



Install by a qualified electrician in accordance with all national and local electrical codes. Multi-strand projects: separate PSU enclosures by at least 3 in (76 mm) edge-to-edge to prevent ambient temperature rise. Voltage drop < 5 % per strand. All joints IP68 sealed.