DMX512 Driver address board function

```
                    ┌─────────────┐
                    │  Power on   │
                    └─────────────┘
                           │
                           ▼
                  ┌──────────────────┐
                  │ Read DMX address │
                  │   from EEPROM    │
                  └──────────────────┘
                           │
                           ▼
                        ◇ Is Address board              Yes
                        ◇   present?        ──────────────────────┐
                                                                   │
                           │ No                                    ▼
                           │                          ┌──────────────────┐
                           │                          │ Read DMX address │
                           │                          │ from switches on │
                           │                          │  Address board   │
                           │                          └──────────────────┘
                           │                                     │
                           │                                     ▼
                           │         Yes              ◇ Is switch address
                           │  ◄───────────────────────◇   == EEPROM?
                           │                                     │
                           │                                     │ No
                           ▼                                     ▼
  ┌────────────┐    ◇ Is address valid     ┌──────────────────┐
  │Error status│ No ◇ 0< Addr < 507?       │ Write new address│
  │    LED     │◄───◇                       │   to EEPROM      │
  └────────────┘                            └──────────────────┘
                           │ Yes
                           ▼
                    ┌─────────────┐
                    │  Run main   │
                    │    code     │
                    └─────────────┘
```