SmartLink DALI Gateway – 1 Chnl   MA221DB1

Features

- DALI Gateway Server with IEC 62386 support
- AC Universal input, 5W
- DALI channel: 1 set, guaranteed 220mA, max 250mA
- Control: Ethernet with DHCP, ModBus TCP
- Protection: DALI channel short circuit
- Global safety compliant
- Suitable for home and office
- Others: Smart Engine, Time Sync, Event & scheduler, etc

DALI 2   CE   300V 2A   SELV RoHS

2. Specification

Technical Data

| Model		AGD-MA221DB1
Output	DALI Channel	1 with power source
	Current	220mA guaranteed/250mA max for each channel
Input	Voltage	Universal, 100 ~ 240V AC
	Power	Max 5W
	Standby W	< 3W
Protection	Short	Yes for DALI channels
Working environment	Temperature	-30 ~ +45℃
	Storage	-40 ~ +80℃, 10 ~ 95% Non-condensing
Other	App	Free iPhone & Android Remote Control App
	Protocol	ModBus TCP, Artilect V3

Dimension

72mm

88mm

RJ45

AGD-MD221DB1

DALI   AC

60mm
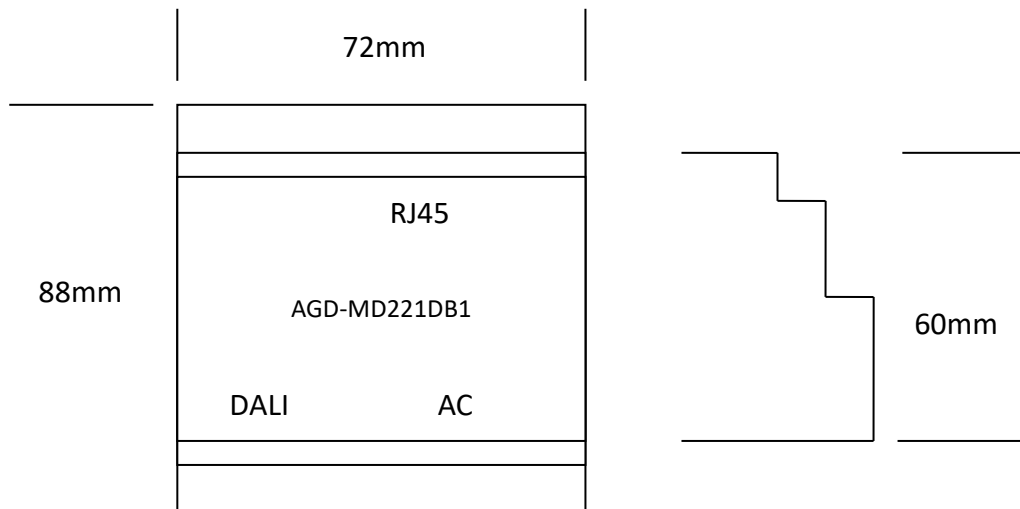
3. Installation

Wiring and circuit diagram
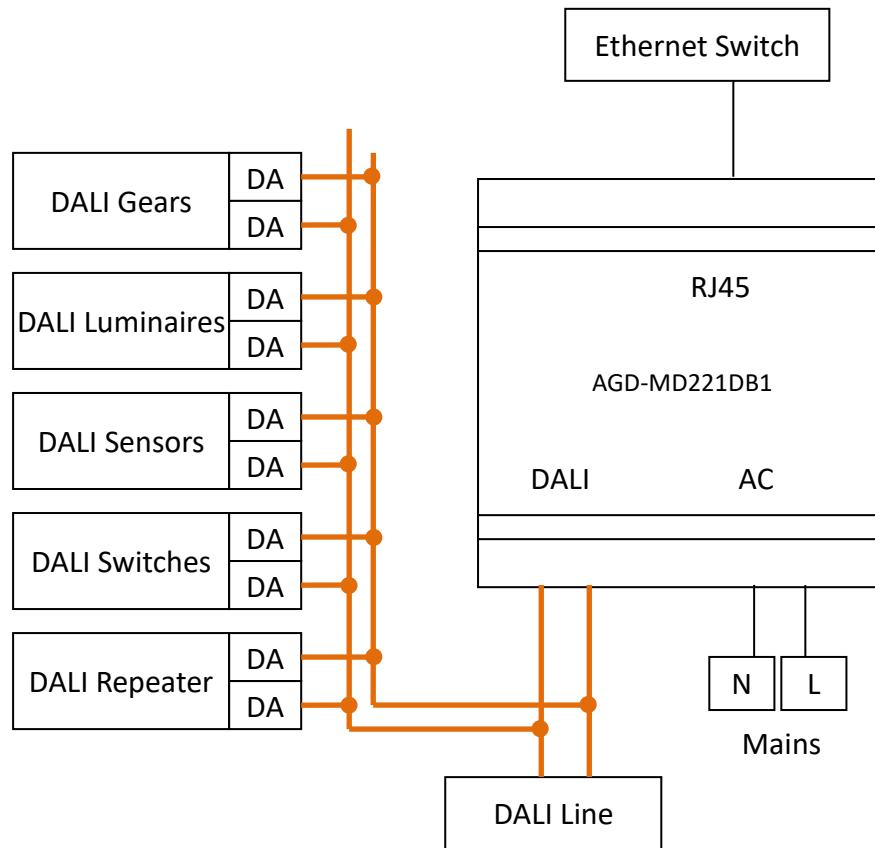
- Wirings must be done when the main power source is off.
- DA/DA are wires for DALI bus lines. Connect to DALI devices only.
- Please make sure that total devices and bus current consumption does not exceed each channel's limit.
- Please keep the join of cables away from human environment. Double enforcement cables are recommended.

Hot plug-in

Hot plug-in is not recommended for AC wires. Only DALI wires are allowed for hot plug-in.

DALI Bus

DALI bus has designed with short and overheat protection. When each DALI channel is overheated due to shorted output or abnormal operation, it will turn off the failure

channel till it is recovered. The gateway will also repeatedly check its output at the frequency of 15 seconds or so.

To allow DALI bus powered devices to boot up smoothly, the gateway will provide DALI current source for minutes before its channel is overheated. The protection point of overheating temperature can be configured with its software tool.

4. Configuration Software

Artilect SmartLink provides highly advanced DALI configuration tool. Using this tool may require some knowledge of DALI standard and infrastructure. For more information, please, contact Artilect Green's sales for further information and its download link.
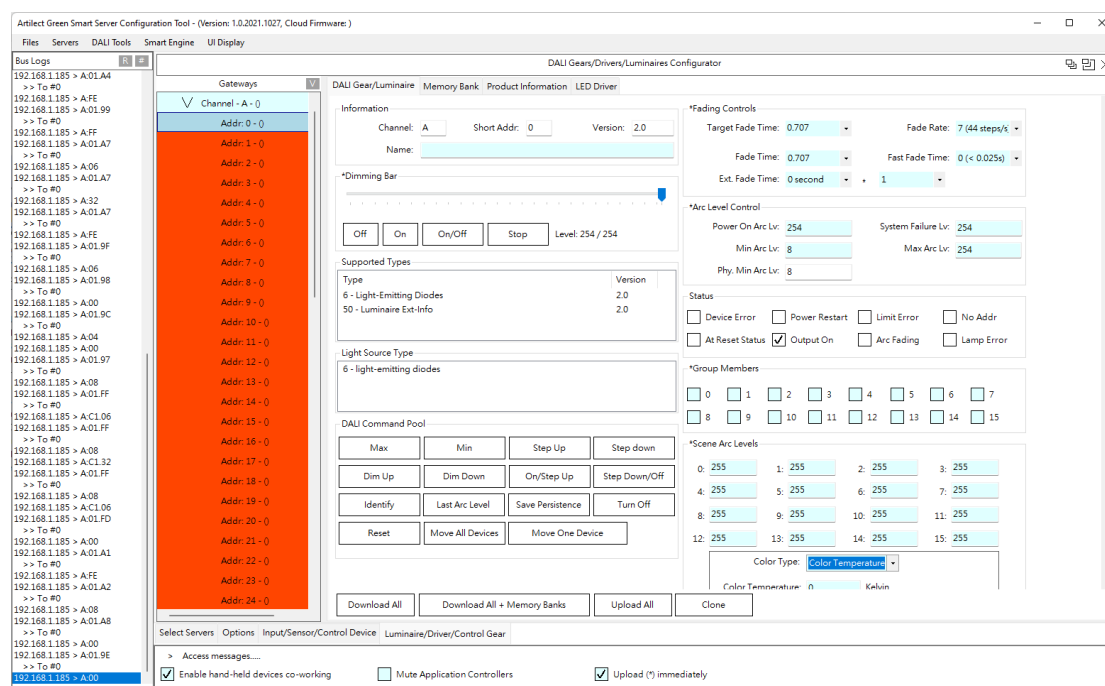
5. Others

Warning / Caution !!

- Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the device!
- The openings should be protected from foreign objects or dripping liquids.
- Please do not install the device in places with high ambient temperature or

close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.

- If the cases or terminal connector of this device is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- The DALI is designed as FELV circuit, its terminal shall connect to FELV circuit. Connecting to SELV will lower its isolation level to FELV.