

# RESI.LICHT.PRODUKTE

## Übersicht unseres DALI und DMX Produktspektrums



### DALI:

- NEW** Automatische Suche nach neuen DALI Leuchten samt Zuweisung von DALI Kurzadressen
- NEW** Komplette Konfiguration einer DALI Leuchte (Dimmrate, Gruppen, Szenen, etc.)
- NEW** Ausführliche Funktionen für das Umbenennen und Testen von DALI Leuchten mit Kurzadressen
- NEW** Spezielle Funktionen für das Zuweisen und Testen von DALI Gruppen
- NEW** Kompletter Funktionsumfang zum Testen einer DALI Installation
- NEW** Ausführliche Online Hilfe zu jeder Funktion in unserer Software im Internet

### DMX:

- NEW** Testfunktion für alle 512 DMX Register in einem DMX Universum
- NEW** Größe des DMX Rahmens ist einstellbar zwischen 1 und 512 DMX Bytes

### LED Streifen:

- NEW** Direkte Ansteuerung von LED Streifen mit dimmbaren PWM Kanälen (für RGB, Dual Weiss, Monocolore LED Streifen)
- NEW** 2 Varianten RESI-1LED-xxx: 3 PWM Kanäle RESI-4LED-xxx: 12 PWM Kanäle

### Licht Aktor:

- NEW** 8 bistabile Relais mit Handebene für Lichtapplikationen (max. 250vac, 16A, 200µF)
- NEW** 16 Digitaleingänge für 12-48Vdc Signale (z.B.: Taster)
- NEW** Interne Logik um mit den Digitaleingängen die Relais zu bedienen (Stand Alone Modus)

### KOSTENLOSE KONFIGURATIONS SOFTWARE

Sie können unsere kostenlose MODBUSConfigurator Software von unserer Homepage [www.RESI.cc](http://www.RESI.cc) herunterladen. Wenn Sie das Tool schon installiert haben, wird dieses über das Internet automatisch aktualisiert.

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# RESI.LICHT.PRODUKTE

## Übersicht über unsere DALI und DMX Gateways

### HOST SYSTEME



### MODBUS RTU

### MODBUS RTU ASCII

### MODBUS RTU

### MODBUS RTU ASCII



64x

64x

512x

512x

# RESI.LICHT.PRODUKTE

## Übersicht über unsere PWM Module für LED Streifen

### HOST SYSTEME



19" Serversysteme

PC Workstations

SPSen

DDCs - AutoGers

Industriecomputer

### MODBUS RTU

RS232  
RS485



RESI-  
1LED-  
MODBUS



**3xPWM**  
**1 Gruppe**  
**LED Streifen**  
max. 48Vdc  
max. 5A/Kanal

### MODBUS RTU ASCII

RS232  
RS485



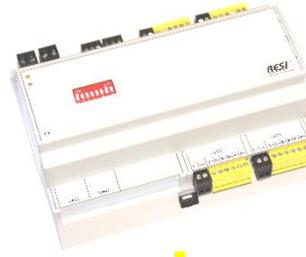
RESI-  
1LED-  
ASCII



**3xPWM**  
**1 Gruppe**  
**LED Streifen**  
max. 48Vdc  
max. 5A/Kanal

### MODBUS RTU

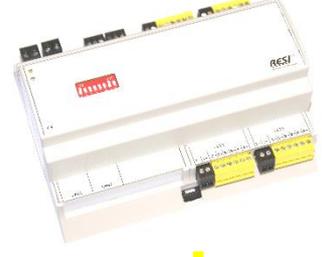
RS485  
RESI-  
4LED-  
MODBUS



**3xPWM**  
**4 Gruppen**  
**LED Streifen**  
max. 48Vdc  
max. 5A/Kanal

### MODBUS RTU ASCII

RS485  
RESI-  
4LED-  
ASCII



**3xPWM**  
**4 Gruppen**  
**LED Streifen**  
max. 48Vdc  
max. 5A/Kanal

# RESI.LICHT.PRODUKTE

## Übersicht über unsere Aktoren speziell für Licht

### HOST SYSTEME



19" Serversysteme

PC Workstations

SPSen

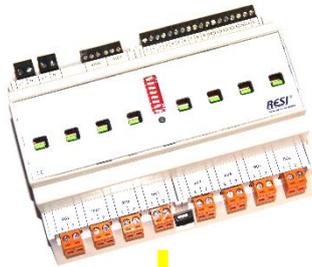
DDCs - AutoGers

Industriecomputer

### MODBUS RTU

RS485

RESI-16DI8RO-MODBUS



#### Ausgangsleistung pro Kanal:

Glühlampen	4.800 W
Leuchtstofflampen unkompensiert	5.000 W
Leuchtstofflampen parallelkompensiert	2.500 W / 200 µF
Leuchtstofflampen Duo-Schaltung	2 x 5.000 W
Halogenlampen (230 VAC)	5.000 W
NV Halogenlampe mit Trafo	2.000 VA
Quecksilber-	
Natriumdampf lampen unkompensiert	5.000 W
Quecksilber-	
Natriumdampf lampen parallelkompensiert	5.000 W / 200 µF
Dulux lampen unkompensiert	4.000 W
Dulux lampen parallelkompensiert	3.000 W / 200 µF

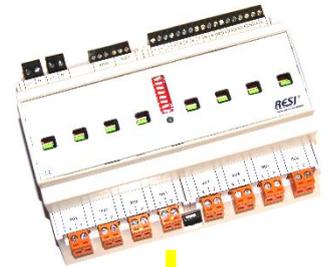


16 Digitaleingänge 12..48Vdc  
8 bistabile Relaisausgänge  
Handebene  
max 250Vac  
max 16A  
max 200µF

### MODBUS RTU ASCII

RS485

RESI-16DI8RO-ASCII



16 Digitaleingänge 12..48Vdc  
8 bistabile Relaisausgänge  
Handebene  
max 250Vac  
max 16A  
max 200µF

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## Übersicht unseres DALI und DMX Produktspektrums

The screenshot displays the RESI's MODBUS Configurator V1.0.5.19 software interface. The main window is titled "Dali lamp settings" and shows configuration options for a lamp named "Keller #1". The "Project manager" on the left lists a project "RESI-DALI-MODBUS - [RESI-DALI-MODBUS]" with sub-items for "Keller #1" through "Keller #12" and "Wintergarten #1" through "Wintergarten #8".

The "Dali lamp settings" panel includes the following fields:

- Lamp name: Keller #1
- Short address: 0
- Physical minimum: 126
- Minimum value: 126
- Maximum value: 254
- Power up value: 254
- Bus fault value: 254
- Fade time [s]: no fading
- Fade rate [steps/s]: 44.725

Below these are "Scene values" (0-15) and "Groups" (0-15), all currently set to "deactivated".

Two other windows are visible:

- Reorder DALI Lamps:** Shows a table of short addresses (0-15) and "New Short Addresses" (0-15). The status is "Pulsing short address 20 with 201".
- Initialise new Dali lamps:** Shows initialization mode options: "Random address" (selected) and "Physical selection". It also includes "Auto names", "Name for Lamps", and "Switch off existing short addresses" options.

The "Test bench" interface allows for testing DALI lamp functions. It includes the following controls:

- Destination:** Radio buttons for "single lamp" (0), "lamp group" (0), and "all lamps" (selected).
- Function:** Radio buttons for "Set brightness to value 0", "Set brightness to value 128", "Set brightness to value 254" (selected), "Set brightness to value: 254", and "Execute command: Switch off".
- Execute!** button.
- Execute command:** Switch off, 0x00

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## Übersicht unseres DALI und DMX Produktspektrums

**Project manager**  
New Project  
RESI-DMX-MODBUS - [RESI-DMX-MODBUS]

**Local Com-Port settings**  
Modbus unit: 255 IP-Address:   
Device: COM4 Port:   
Baudrate: 57600 Parity: NONE

**Common**  
Download config Test connection Test  
Device name: RESI-DMX-MODBUS Device type: DMX512 to MODBUS/RTU module for up to 512 DMX lamps  
Software version: ??? State: ???

**Device specific**  
DMX Start DMX Stop Set DMX Length Get DMX Length Read DMX Values Write DMX Values  
Modbus address: 255 Modbus baudrate: 19200 DMX length: 512  
Modbus parity: NONE

**DMX universe**

New Value	Index	Value	Comment
	1	0,0x00	no comment
	2	0,0x00	no comment
	3	0,0x00	no comment
	4	0,0x00	no comment
	5	0,0x00	no comment
	6	0,0x00	no comment
	7	0,0x00	no comment
	8	0,0x00	no comment
	9	0,0x00	no comment
	10	0,0x00	no comment
	11	0,0x00	no comment
	12	0,0x00	no comment
	13	0,0x00	no comment
	14	0,0x00	no comment
	15	0,0x00	no comment

**Project manager**  
New Project  
RESI-16DI8RO-ASCII - [RESI-16DI8RO-ASCII]

**Local COM port settings**  
Modbus unit: 1 Device: COM8 IP-Address:   
Baudrate: 57600 Parity: NONE Port:

**Device specific**  
Download config Test connection Test  
RESI-16DI8RO-ASCII 16DI8RO to ASCII module with 16 DiS 12-48Vdc and 8ROs 250VAc, 16A, 200JF  
Software version: 1.0.0 State: no error  
FRAM MODBUS Unit: Only valid if DIP switch is set to 0 on IO module  
Set: 234

Reset Counters Set relay outputs Enable Logic Disable Logic Clear all logic Configure Logic

Register	Value	Comment
4x00001	0x0000,0	Counter for rising edges on D11
4x00002	0x0000,0	Counter for falling edges on D11
4x00003	0x0000,0	Counter for rising edges on D12
4x00004	0x0000,0	Counter for falling edges on D12
4x00005	0x0000,0	Counter for rising edges on D13
4x00006	0x0000,0	Counter for falling edges on D13
4x00007	0x0000,0	Counter for rising edges on D14
4x00008	0x0000,0	Counter for falling edges on D14
4x00009	0x0000,0	Counter for rising edges on D15
4x00010	0x0000,0	Counter for falling edges on D15
4x00011	0x0000,0	Counter for rising edges on D16
4x00012	0x0000,0	Counter for falling edges on D16
4x00013	0x0000,0	Counter for rising edges on D17
4x00014	0x0000,0	Counter for falling edges on D17
4x00015	0x0000,0	Counter for rising edges on D18
4x00016	0x0000,0	Counter for falling edges on D18
4x00017	0x0000,0	Counter for rising edges on D19
4x00018	0x0000,0	Counter for falling edges on D19
4x00019	0x0000,0	Counter for rising edges on D10
4x00020	0x0000,0	Counter for falling edges on D10
4x00021	0x0000,0	Counter for rising edges on D11
4x00022	0x0000,0	Counter for falling edges on D11

**Project manager**  
New Project  
RESI-4LED-ASCII - [RESI-4LED-ASCII]

**Local COM port settings**  
Modbus unit: 1 Device:   
Baudrate: 57600 Parity:

**Device specific**  
Download config Test connection Test  
RESI-4LED-ASCII  
Software version: 1.0.0 State: no error  
FRAM MODBUS Unit: Only valid if DIP switch is set to 0 on IO module  
Set: 45

Choose demo Set LED mode Set channel A Set channel B Set channel C Set fade speed Set minimum time Set maximum time LED Group 1

Register	Value	Comment
4x00001	0x0000,0	Current value for LED channel L01 LED Group #1 A (0.4095-0.100'
4x00002	0x0000,0	Current value for LED channel L02 LED Group #1 B (0.4095-0.100'
4x00003	0x0000,0	Current value for LED channel L03 LED Group #1 C (0.4095-0.100'
4x00004	0x0000,0	Current value for LED channel L04 LED Group #2 A (0.4095-0.100'
4x00005	0x0000,0	Current value for LED channel L05 LED Group #2 B (0.4095-0.100'
4x00006	0x0000,0	Current value for LED channel L06 LED Group #2 C (0.4095-0.100'
4x00007	0x0000,0	Current value for LED channel L07 LED Group #3 A (0.4095-0.100'
4x00008	0x0000,0	Current value for LED channel L08 LED Group #3 B (0.4095-0.100'
4x00009	0x0000,0	Current value for LED channel L09 LED Group #3 C (0.4095-0.100'
4x00010	0x0000,0	Current value for LED channel L010 LED Group #4 A (0.4095-0.100'
4x00011	0x0000,0	Current value for LED channel L011 LED Group #4 B (0.4095-0.100'
4x00012	0x0000,0	Current value for LED channel L012 LED Group #4 C (0.4095-0.100'
4x00013	0x0001,1	Current mode for LED group 1 (0=OFF,1=ON,2=FLASH,3=FADE,4=R
4x00014	0x0001,1	Current mode for LED group 2 (0=OFF,1=ON,2=FLASH,3=FADE,4=R
4x00015	0x0001,1	Current mode for LED group 3 (0=OFF,1=ON,2=FLASH,3=FADE,4=R
4x00016	0x0001,1	Current mode for LED group 4 (0=OFF,1=ON,2=FLASH,3=FADE,4=R
4x00017	0x000a,10	Current fade speed for FADE.RANDOM for LED group 1 in steps pe
4x00018	0x000a,10	Current fade speed for FADE.RANDOM for LED group 2 in steps pe
4x00019	0x000a,10	Current fade speed for FADE.RANDOM for LED group 3 in steps pe
4x00020	0x000a,10	Current fade speed for FADE.RANDOM for LED group 4 in steps pe

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