

## In-Cab Display Dual Antenna Version

PN# SLDU-006SRE-DB

### OUTLINE

The **SCAN~LINK Armour System™ In-Cab Display** is the ‘face’ of the SCAN~LINK™ system. When paired with a SCAN~LINK Armour System™ Antenna, it alerts the operator to tagged pedestrians or objects detected by the Antenna using an adjustable-volume beeper and flashing red lights. The connection between the Antennas and Display is wireless, with a practical range of up to 150 feet (46 metres). Installation is a fast process, requiring only a power hook-up, and the Display can be attached to any available surface in the operator’s cabin via an industrial-grade hook-and-loop fastener.



The new SLDU-006SRE-DB model allows for greater interoperability with machine controls and monitoring via three additional relay output wires that are still in the same cable. When SCAN~LINK™ Apparel is detected, the two left red LEDs illuminate for detection on the Primary Antenna side and the two right red LEDs illuminate for detection on the Secondary Antenna side. When adjusting the volume, the speaker volume level is shown through sequential illumination of the red LEDs. When in Diagnostics Mode, error codes are displayed.

Warranty claims will persist 13 for months from sale date. **There are no user-serviceable parts inside.** If you wish to inquire about the warranty status of your unit, please contact us at [info@scan-link.com](mailto:info@scan-link.com).

## SPECIFICATIONS

### Absolute Specifications - Exceeding these may damage the unit!

Item	Minimum	Maximum	Notes
Input Voltage	+9 VDC	+34 VDC	Do not attempt to operate outside nominal 12-28VDC
Operating Temperature	-20° C	50° C	
Storage Temperature	-30° C	80° C	
Ingress Protection	IP52		Indoor Use Only
Reverse Polarity Protected	Yes		100V/20A
Voltage Spike Withstand	75V @ 5A		<3ms -600V/+400V

### Physical Specifications

Item	Metric (mm)	Imperial (in)	Notes
Height	35 mm	1 3/8"	
Length	75 mm	3"	
Minimum Install Depth	95 mm	3 3/4"	Clearance for wire bend
Width	100 mm	4"	
Cable Length (SLDU-007SRE)	4570 mm	180"	Last 3" (75 mm) are stripped back
Hook-and-Loop Thickness	5 mm	1/4"	
Casing	Black ABS		UL945VA Rated
Cable Specs (SLDU-007SRE)	6-Wire, 20ga.		Bare Wire
Min. Install Distance from Operator	200 mm	8"	
Beeper Min Volume	88±1 dBa		Measured @ 200 mm (8"), Typical
Beeper Max Volume	99±1 dBa		Measured @ 200mm (8"), Typical

### Electrical Specifications

Item	Minimum	Maximum	Notes
Nominal Input Voltage (VCC)	+12 VDC	+28 VDC	
Input Current @ 12 VDC	120 mA		Nominal
Input Current @ 24 VDC	60 mA		Nominal
Recommended External Fuse	1A		
Internal Fuse	1.5A		Auto-resetting
Fault/Detection Relay Current	-	2A	
Reverse Input Trigger Voltage*	4.5 VDC	VCC	Opto-isolated
Reverse Input Current Draw*	1.5 mA	6 mA	Resistor limited
Wireless Link Frequency	2405 MHz	2475MHz	Unlicensed ISM Band, 0.098W EIRP
IC ID	9084A-SM220		Under Synapse Wireless Inc.
FCC ID	U90-SM220		Under Synapse Wireless Inc.

## Reverse Trigger Note

The Reverse Trigger (Orange) wire may be *optionally* tied to an ignition signal and used in place of the Antenna's reverse signal. *However*, operation in this mode requires additional configuration with RapidPair™ and has no function whatsoever until the appropriate settings are changed.

## Cable Specifications

Power Cable	Red Wire Power Supply	Always	VCC (+12-28VDC)
	Black Wire Power Supply	Always	VDD (-) Equipment Ground
	Orange Wire Reverse Input	Always	Reverse Input
	Blue Wire Fault Relay	Fault / No Power	Open
		No Fault / Power	Closed to Relay Common (Green)
	Green Wire Relay Common	Always	
White Wire Detection Relay	Detecting / No Power	Open	
	Not Detecting / Power	Closed to Relay Common (Green)	

## Compatibility Specifications

RapidPair™	RPD-SN220/RPD-SS200
Antenna	SLAU-UV-DB-xx-xx-xx-04

## DISCLAIMER

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The **SCAN~LINK Armour System™**, including In-Cab, is not 'safety rated' and thus cannot be relied on as front-line defense against equipment-to-pedestrian or equipment-to-object strikes. It is intended as a supplementary safety system only, to improve operator and pedestrian awareness and to help 'fill in' blind spots. There is no replacement for proper training and operation of equipment. The SCAN~LINK Armour System™ is designed to augment existing site safety practices and policies, to further inhibit the chances of worker injuries and fatalities. Remember, pedestrians will not be detected if they are not wearing functioning, SCAN~LINK™ tagged safety wear. All employees and visitors to any operations site should be trained in the functionality of the SCAN~LINK Armour System™ and be fully aware of their surroundings while on site.

The SCAN~LINK Armour System's™ installation, operation and maintenance, in all its forms, is covered by various legal documents, disclaimers and procedures, all of which are available upon request. By using the SCAN~LINK Armour System™ or any of its components, you are bound to adhere to the conditions and practices outlined therein.

## MORE INFORMATION

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For more information, please contact us via one of the methods below:

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