

LEVELNIC DL-S3 Wireless Adapter DL-BW Instruction Manual

Thank you for purchasing the DL-BW Wireless Adapter for LEVELNIC model DL-S3.

Please read this instruction manual thoroughly before use to insure proper operation and long service.

OVERVIEW

Display unit for LEVELNIC DL-S2W (wireless digital gauge,) also providing remote 0-Cal, and 1/2-Cal buttons.

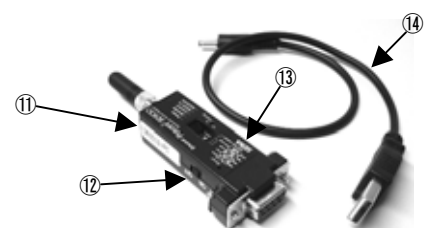
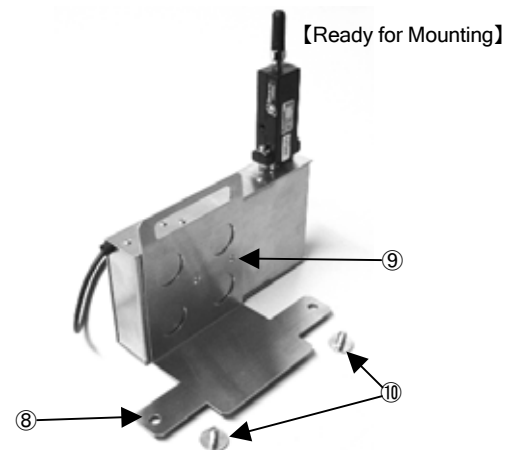
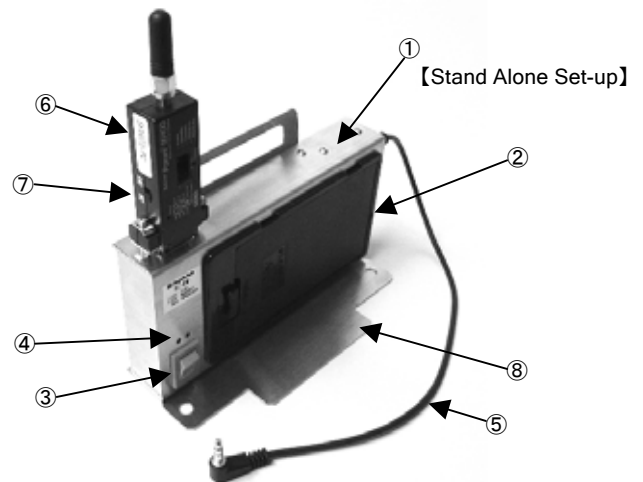
Can used as display for other LEVELNIC gauges with RS-232C output, (without remote 0-Cal or 1/2-Cal functionality.)

FEATURES

- Cable free connection makes measurements easier and improves work efficiency.
- Long range of 50 to 100m wireless connection.
- Receiver and Transmitter are paired so multiple systems can be used at same time without interference.
- Can be mounted directly to LEVELNIC, or as stand-alone unit with adaptable mounting bracket design.
- Preset communication settings (pairing, etc.) so system is ready for immediate use.

COMPONENT NAMES

- ① Signal Adapter Unit
- ② Battery Compartment
Requires 6x AA batteries.
Please insert with polarity as indicated.
- ③ Adapter Power Switch
- ④ Power Status Light
The two LED bulbs indicate power status:
• 2 lights .. Normal operation
• 1 light ... Battery level low
System can still be used, but please prepare to replace batteries soon.
• Off Battery replacement required
Battery voltage is too low for operation.
Please replace batteries.
- ⑤ Data Cable
Connects to LEVELNIC Data Out Jack.
- ⑥ Transmitter
Label on transmitter shows a 4 digit number: "SK****-S. This will pair with matching label on receiver: "SK****-PC" for direct communication.
- ⑦ Transmitter Slide Switch
Since the transmitter power is linked to the adapter unit power, always keep the this switch in the ON position.
- ⑧ Mounting Bracket
When shipped, the mounting bracket is attached to the Adapter Unit for stand-alone set-up. The bracket can be relocated and mounted on the side of the Adapter Unit for attachment to the underside of the DL-S3 Base.
- ⑨ Mounting Screws
These two screws mount the bracket to the adapter unit. When changing bracket position, remove the screws and reattach in new position.
- ⑩ DL-S3 Mounting Screws
Special thin head screws for mounting to DL-S3 Base without protruding and interfering with measurement surface.
When attaching screws, use enough force to prevent rattling, but do not over tighten.
- ⑪ Receiver
Label on receiver shows a 4 digit number: "SK****-PC". This will pair with matching label on transmitter: "SK****-S for direct communication.
- ⑫ Receiver Power Jack
Receiver is powered through the PC USB port, so always keep this switch in the ON position.
- ⑬ Receiver Power Jack
Connects to computer using USB power cable.
- ⑭ USB Power Cable for Receiver
Connects to computer USB port to power the Receiver.
If cable is not long enough to reach Receiver when plugged into RS-232C port, a commercially available cable can be used.



■ OPERATION

- 1) Connect the data cable to the LEVELNIC Data Out Jack.
(If used in mounted configuration, first attach to the DL-S3 using the mounting screws.)
- 2) Plug the Receiver into the computer RS-232C port.
Connect the USB cable to the Power Jack and the computer USB port to power the Receiver.
- 3) Turn on the power to the computer and the DL-S3 (Order of power on is not important.)
Turn on the Wireless Adapter last.
(If turned on first, the Adapter battery is wasted searching for connection.)
- 4) System will now behave the same as if connected with the DL-P5 cable.
In the set-up menus for the Straightness, Flatness, or Recording application software,
when software prompts to specify the type of connection and to enter Wireless ID,
please select "cable" option.
(The wireless ID is LEVELNIC optional transmitter TXU-TE-SK .)



Loop the cable
to keep out of
the way.

■ SPECIFICATIONS

Model:	DL-BW
Input:	LEVELNIC RS-232C compatible signal (proprietary)
Wireless Protocol:	Bluetooth Class1
Comm. Range:	50~100m (Line of sight; some variance due to conditions.)
Operating Temp. Range:	0~40°C
Power:	6x AA batteries (single use, or rechargeable)
Continuous On Time:	Alkaline batteries: ~70 hours Zinc Carbon batteries: ~30 hours 1700mA rechargeable batteries: ~45 hours (Some variation depending on usage conditions.)
Dimensions:	143(L)×32(W)×173(H)mm (H including antenna, W not including mounting bracket)
Weight:	530g (including batteries)
Package Contents:	Adapter body (with transmitter) ×1 Mounting bracket (Factory mounted for stand-alone configuration when shipped) ×1 DL-S3 mounting screws ×2 Receiver ×1 USB cable for Receiver ×1 AA batteries ×6 Instruction Manual×1

■ PRECAUTIONS

Please read and follow the notes below to insure top performance and long service life from this instrument.

- Avoid using in the following conditions:
 - Dirty, or dusty locations.
 - Exposed to direct sunlight.
 - Places where chemicals such as acids, alkali, solvents, etc. are present or on surfaces.
 - Places contaminated with water or oils.
 - Where there is high electrical noise, or sparks, such as near welding equipment.
 - Locations with high electromagnetic fields, such as near power lines or broadcast radio waves.
- Communication range may be reduced by obstacles between Wireless Adapter and Receiver.
- Clean with a dry cloth, moistened with mild detergent or alcohol as needed. Do not use solvents such as thinners, etc.
- Do not disassemble or modify.

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