

DECT ULE-SPLG

AC Smart Plug

CR-DU-SPLG USA



ELECTRONIC ENGINEERING LTD.

INSTALLATION INSTRUCTIONS

P/N 7101990 REV. B (O.Z.)

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OPERATION

The DECT ULE SPLG transmits the following events data:

KEEP ALIVE – A periodical transmission indicating detector's presence. The time interval is configurable – the minimum value is 3 seconds.

On/Off – Every press on the button toggle the device state from On to Off and vice versa. Any status change causes a transmission to base with the updated status.

Metering – Every few seconds the device reports on several network electrical parameters like: Real Power, Voltage, Current, Frequency and more.

TRANSMISSION TESTS

Identification transmission test –

Use your Application / Base Station and send Identification Request to the device. The device will start blinking the Green & Red LEDs alternately – 5 times each LED starting with the Green LED.

WARNING!!!

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Crow Electronic Engineering Ltd.) could void the user's authority to operate the equipment.

FCC & IC STATEMENT

Contain FCC ID: **NFC-CRDU**

Contain IC ID: **8164A-CRDU**

This device complies with FCC Rules Part 15 and with Industry Canada license-exempt RSS standard(s).

Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Canada: Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication. This device complies with Industry Canada licence-exempt RSS standard(s).

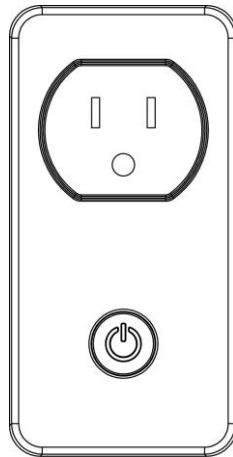
INTRODUCTION

This DECT ULE SPLG is an advanced, fully supervised low-current wireless device including a DECT ULE transceiver for reliable system operation.

This DECT ULE SPLG uses smart message control, which verifies that all messages are successfully transmitted, so that no On/Off event will be lost.

This DECT ULE SPLG detector includes series of messages for full communication administration (Keep Alive, Configuration, On/Off, Metering etc.) as well as test transmission signals.

FIGURE 1 – DEVICE FRONT VIEW



REGULATORY APPROVALS

- T.B.D.



FCC & IC STATEMENT (Continue)

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FEATURES

- DECT ULE RF protocol.
- Low current Technology.
- Frequency Band: All DECT Standard Bands.
- On/Off transmission.
- Metering transmission.
- Keep Alive transmission.
- Bi-Color LED indications On/Off & Pairing.
- Range up to 500m on open space.
- Remotely configurable.
- Friendly Pairing and Installation processes.
- Built in Child Protection.
- Manual and Remote ON/OFF capabilities.
- Zero Crossing Switching.
- Lighted Button and Switch Status Bi-Color Indication.
- After Power Cycle State (configurable – On/Off/Last state).
- USA model – AC110-130V/60Hz – NEMA 5-15 grounded – Type B.

PAIRING PROCESS

1. Insert the DECT ULE SPLG into the wall outlet and wait till the Red light in the ON/OFF button will stop blinking.
2. Initiate the Base Station pairing process.
3. Initiate the device pairing process by pressing the ON/OFF button for 5 seconds. The On/Off logo will constantly light Green. Logo Green light starts blinking release the On/OFF button.
4. The device should register to the Base Station.
5. When registration process is successfully completed the Power logo will constantly light Green for 3 seconds and then turn off.
6. If registration process failed the Power logo will blink Red. Remove the DECT ULE SPLG from the wall outlet, wait for few seconds and rerun the pairing process again.

TECHNICAL SPECIFICATIONS

RF Protocol	DECT ULE Standard
Modulation Type	GFSK
Frequency	1920–1930 MHz - USA/Canada
Event Transmission	Keep Alive, Metering.
Range in open space	>500m
Transmit Power (Typ.):	20dBm
Operating temperature	-10°C to +55°C
Dimensions	102mm x 51mm x 52mm
Weight	110 gr.

FCC & IC STATEMENT (Continue)

Note: The digital circuit of this device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 -Reorient or relocate the receiving antenna.
 -Increase the separation between the equipment and receiver.
 -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 -Consult the dealer or an experienced radio/TV technician for help.

CROW ELECTRONIC ENGINEERING LTD. ("Crow") - WARRANTY POLICY CERTIFICATE

This Warranty Certificate is given in favor of the purchaser (hereunder the "**Purchaser**") purchasing the products directly from Crow or from its authorized distributor.

Crow warrants these products to be free from defects in materials and workmanship under normal use and service for a period of 24 months from the last day of the week and year whose numbers are printed on the printed circuit board inside these products (hereunder the "**Warranty Period**"). Subject to the provisions of this Warranty Certificate, during the Warranty Period, Crow undertakes, at its sole discretion and subject to Crow's procedures, as such procedures are from time to time, to repair or replace, free of charge for materials and/or labor, products proved to be defective in materials or workmanship under normal use and service. Repaired products shall be warranted for the remainder of the original Warranty Period. All transportation costs and in-transit risk of loss or damage related, directly or indirectly, to products returned to Crow for repair or replacement shall be borne solely by the Purchaser.

Crow's warranty under this Warranty Certificate does not cover products that is defective (or shall become defective) due to: (a) alteration of the products (or any part thereof) by anyone other than Crow; (b) accident, abuse, negligence, or improper maintenance; (c) failure caused by a product which Crow did not provide; (d) failure caused by software or hardware which Crow did not provide; (e) use or storage other than in **accordance with Crow's specified operating and storage instructions**.

There are no warranties, expressed or implied, of merchantability or fitness of the products for a particular purpose or otherwise, which extend beyond the description on the face hereof.

This limited Warranty Certificate is the Purchaser's sole and exclusive remedy against Crow and Crow's sole and exclusive liability toward the Purchaser in connection with the products, including without limitation - for defects or malfunctions of the products. This Warranty Certificate replaces all other warranties and liabilities, whether oral, written, (non-mandatory) statutory, contractual, in tort or otherwise.

In no case shall Crow be liable to anyone for any consequential or incidental damages (inclusive of loss of profit, and whether occasioned by negligence of the Crow or any third party on its behalf) for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever. Crow does not represent that these products can not be compromised or circumvented; that these products will prevent any person injury or property loss or damage by burglary, robbery, fire or otherwise; or that these products will in all cases provide adequate warning or protection.

Purchaser understands that a properly installed and maintained product may in some cases reduce the risk of burglary, fire, robbery or other events occurring without providing an alarm, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss or damage as a result.

Consequently, Crow shall have no liability for any personal injury; property damage or any other loss based on claim that these products failed to give any warning.

If Crow is held liable, whether directly or indirectly, for any loss or damage with regards to these products, regardless of cause or origin, Crow's maximum liability shall not in any case exceed the purchase price of these products, which shall be the complete and exclusive remedy against Crow.

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