

CAUTION

- **THERE ARE NO SERVICEABLE COMPONENTS INSIDE THE CENTRAL BASE STATION**, with the exception of the Surge Protection Device which should only be replaced by a licensed electrician.
- This device is only NEMA rated when the door is closed and the latches are locked, the device loses environmental protection when left open. **DO NOT LEAVE THE DOOR TO THIS DEVICE OPEN BETWEEN USES.**

Description

The **Central Base Station (CBS)** is a SimplySNAP component that can be installed anywhere you need wireless push-button lighting control.

Operation Instructions for Push Buttons (not available on all models)

The default behavior for the buttons (which are numbered using dots) from top to bottom function as follows:

1. 100% Light Level
2. 75% Light Level
3. 50% Light Level
4. 25% Light Level
5. Off

Connecting Ethernet to SS420/450

To connect an ethernet cord to the SS420/450 inside the CBS, you need to unscrew the cap to the external Ethernet jack on the bottom left of the Central Base Station. If you are mounting indoors, you can just plug the ethernet cord into the jack.

If mounting the CBS outdoors, use the provided unterminated weather-resistant ethernet cable that screws into the external ethernet jack. You will need to have qualified personnel wire the provided cable to standard ethernet cable. Ideally, you would connect the provided cord with standard ethernet cable inside a junction box to provide the standard ethernet cable with weather-resistance.



6723 Odyssey Drive // Huntsville, AL 35806
(877) 982-7888 // Synapse-Wireless.com



Product Specifications

Parameter	Value
Input Power	90-150VAC; 8W max; 6kV surge protection
Operating Temperature	-20°C to +55°C
Radio	SNAP 2.4GHz 802.15.4 Wi-Fi 2.4Ghz 802.11 b/g/n
Certifications	FCC/IC Tested to CAN/CSA C22.2 No. 60950-1/A2:2014 and UL 60950-1/R:2014-10
Warranty	5 Years

Troubleshooting

Symptoms	Actions
All the lights are on and don't respond to the buttons.	A surge may have tripped the surge protection device (SPD). In the event of a strong surge, this unit will protect itself and disconnect from AC power until the SPD is replaced. If this occurs, the facility lights will default to the on state. The SPD replacement part number is LSP10120S.

CERTIFICATIONS

Contains FCC ID: U9O-SM220

Contains IC: 7084A-SM220

Regulatory Information

RF Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada (IC) certifications: This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

FCC certifications and regulatory information (USA only)

FCC Part 15 Class B: This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) These devices may not cause harmful interference, and (2) These devices must accept any interference received, including interference that may cause harmful operation.

RADIO FREQUENCY INTERFERENCE (RFI) (FCC 15.105): This equipment 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: (1) Re-orient or relocate the receiving antenna; (2) Increase the separation between the equipment and the receiver; (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected; (4) Consult the dealer or an experienced radio/TV technician for help.

Declaration of Conformity (FCC 96-208 & 95-19): Synapse Wireless, Inc. declares that the product name "SM220" to which this declaration relates, meet the requirements specified by the Federal Communications Commission as detailed in the following specifications:

- Part 15, Subpart B, for Class B equipment
- FCC 96-208 as it applies to Class B personal computers and peripherals
- This product has been tested at an External Test Laboratory certified per FCC rules and has been found to meet the FCC, Part 15, Emission Limits. Documentation is on file and available from Synapse Wireless, Inc.

If the FCC ID for the module inside this product enclosure is not visible when installed inside another device, then the outside of the device into which this product is installed must also display a label referring to the enclosed module FCC ID. Modifications (FCC 15.21): Changes or modifications to this equipment not expressly approved by Synapse Wireless, Inc., may void the user's authority to operate this equipment.