



## CBI Astute Range Instruction Manual

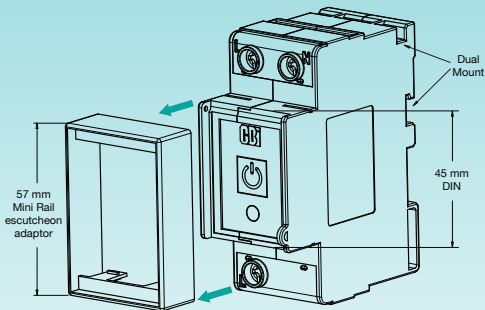


Wi-Fi enabled  
Scheduled energy management  
Energy monitoring  
Automation and IoT  
Device automation sharing  
CBI Home App and more



## Installation - Astute Smart Controller (ASC)

1. This device must be installed by a qualified electrician
2. Isolate supply before installing the ASC
3. Install the ASC on either mini rail or DIN rail (remove the escutcheon adaptor for DIN, see Figure 1)
4. Connect the ASC according to Figure 2 or 3. Observe markings for line and load terminals.
5. Download and install the CBI Home App from either the App Store or on Google Play



**Figure 1: Escutcheon adaptor removal**

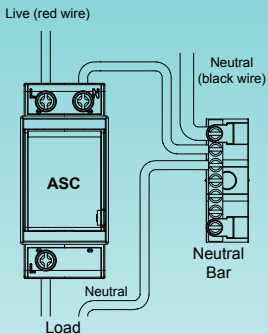


Figure 2: Distribution board wiring

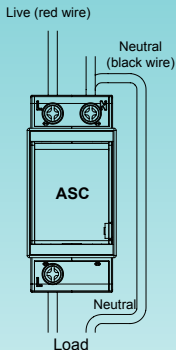


Figure 3: Stand alone wiring

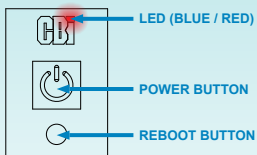


Figure 4: ASC front face

**Reboot Button** - If needed, press and hold the reboot button for 1 second to reboot the ASC.

## Installation - Astute Smart Isolator (ASI)

1. This device must be installed by a qualified electrician
2. Isolate supply before installing the ASI
3. Install the ASI in the outlet box
4. Connect the ASI according to Figure 5. Observe markings for line and load terminals.
5. To power the ASI press the isolation switch to ON (refer to Figure 6). Once power is ON the LED will light up.
6. Download and install the CBI Home App from either the App Store or on Google Play

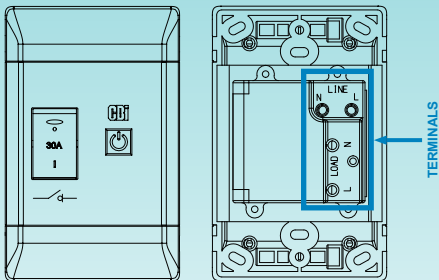


Figure 5: ASI installation

### PLEASE NOTE:

Line and load cannot be reversed. If reversed the device will not power up.

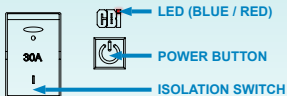


Figure 6: ASI front face

**Isolation Switch** - Turn off isolation switch to isolate the load. Always turn off isolation switch before performing an insulation resistance test on the installation. Turning the isolation switch off for 1 second will reboot the ASI.

## Installation - Astute Smart Plug (ASP) / (ASP-D)

1. This device must be installed by a qualified electrician
2. Isolate supply before installing the ASP / ASP-D
3. Install the ASP / ASP-D in the outlet box
4. Connect the ASP / ASP-D according to Figure 7
5. To power the ASP / ASP-D press the isolation switch (refer to Figure 8). Once power is ON the LED will light up.
6. Download and install the CBI Home App from either the App Store or on Google Play

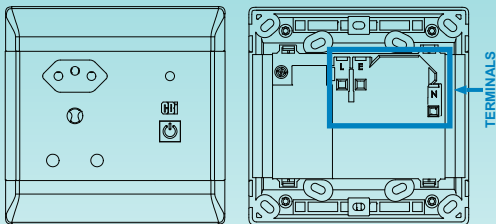


Figure 7: ASP / ASP-D installation

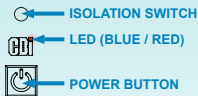


Figure 8: ASP / ASP-D front face

**Isolation Switch** - Always turn off the isolation switch before performing an insulation resistance test on the installation. Turning the isolation switch off for 1 second will reboot the ASP / ASP-D.

## CBI Astute Smart Range

- ONLY compatible with 2.4 GHz Wi-Fi with internet connection
- Application controlled - Free CBI Home App available
- Manual ON / OFF switch (Power Button)
- Multiple ON / OFF programs
- Energy monitoring
- Energy control
- Custom automation and custom scenarios
- Scheduling function - day / week / hour / minute
- Return to status options
- No hub required

## Specification

	ASC	ASI	ASP / ASP-D
Voltage	230 V, 50 Hz ~, 1 Ph	230 V, 50 Hz ~, 1 Ph	230 V, 50 Hz ~, 1 Ph
Current	30 A resistive, 10 A inductive	30 A resistive, 10 A inductive	16 A

# Connecting the CBI Astute Smart Device to Wi-Fi

## Step 1 - Download the App

**Option 1:** Search for **CBI Home** on the App Store or on Google Play and install. See App icon below:



**Option 2:** Scan the QR code below and select App Store or Google Play:



Available on the App Store or on Google Play:



*Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries and regions.*

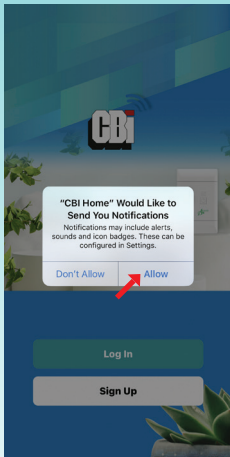
*App Store is a service mark of Apple Inc.*

*Google Play and the Google Play logo are trademarks of Google LLC.*

## Step 2 - Register a new account

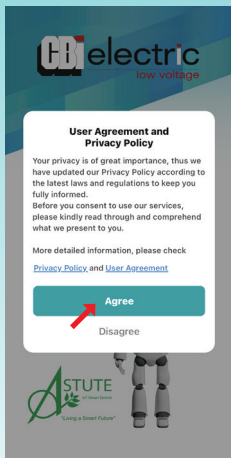
Once installed, open the CBI Home App, tap **“Allow”** on the pop-up message if you would like to receive notifications.

The following screen will appear, tap on **“Sign Up”**.

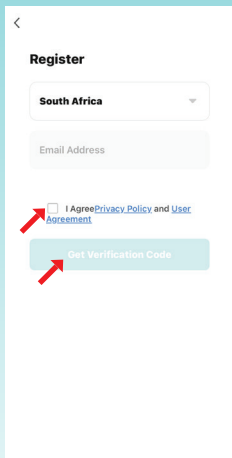




A privacy policy pop-up message will appear, read and tap “**Agree**” to proceed.



Register with an email address. Once the chosen email address has been entered, tick the “**I agree User Agreement and Privacy Policy**” box and tap on “**Get Verification Code**”.



A six digit verification code will be sent to the email address provided. Enter the 6 digit verification code to register a user profile.

Once the verification code has been entered, create a personalised password and tap “Done”.

The password must contain 6 to 20 letters and numbers, do not use special characters.

<

## Enter Verification Code

|

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
	0	<X>

<

## Set Password

Password

Use 6-20 characters with a mix of letters and numbers

Done

Allow the App the permissions required, tap **“Go to App”**.

Allow the App to use your location, tap **“Allow”**.

To provide you with better services, we request the following permissions:



When you use this App, we will collect necessary information (including statistical data, network usage data, application crash events) in order to monitor the performance of the App.

#### Data Analysis

- ✓ Allow us to collect data related to product usage. If you disable permissions, basic functions are still available.

#### Personalization

- ✓ Allow us to recommend content through ads and notifications. If you disable it, we won't send what may interest you.

**Go to App**

Allow “CBI Home” to access your location while you are using the app?

Please enable location Service to use smart, device timer, weather and time zone information

Don't Allow

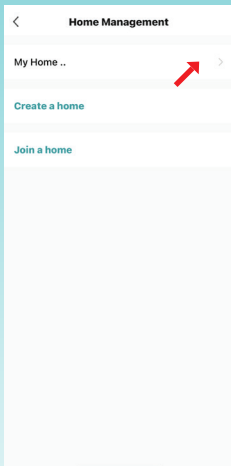
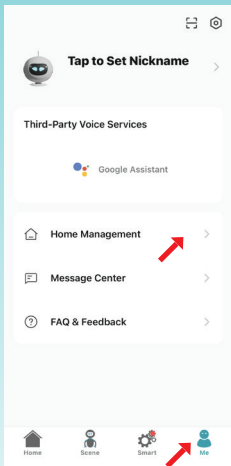
Allow



## Step 10 - Home setup

Click on the “Me” icon tap on “Home Management”.


Tap on “My Home”.



Tap next to “**Home Name**” and create a home name.

Tap next to “**Location**”.

Cancel   **Create a home**   Save

Home Name • Enter 

Location   Set   >


Rooms:

- Living Room
- Master Bedroom
- Second Bedroom
- Dining Room
- Kitchen
- Study Room

[Add Room](#)

Cancel   **Complete Home Infor...**   Save

Home Name • My Home

Location   Set   > 

Rooms:

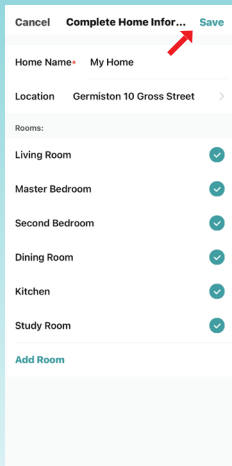
- Living Room
- Master Bedroom
- Second Bedroom
- Dining Room
- Kitchen
- Study Room

[Add Room](#)

Select the home location on the map and tap **“Confirm”**.

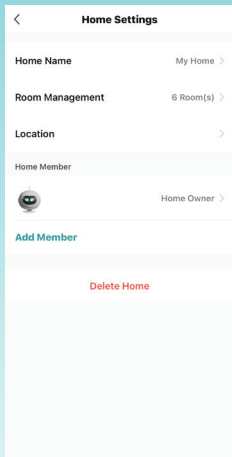
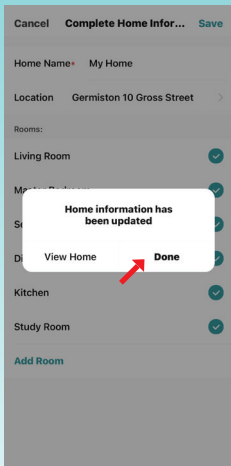


Tap to select the relevant rooms and tap **“Save”**.



Tap on “**View Home**” or tap “**Done**”.

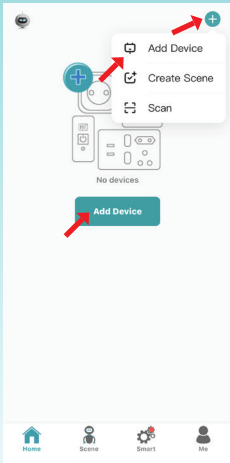
Home Setup is now complete.



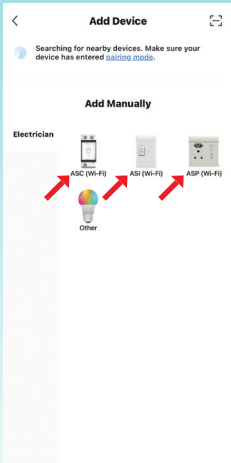
### Step 3 - Pair device to App

Tap “Add Device” to add the device to your App (smartphone / tablet should be connected to the same 2.4 GHz Wi-Fi connection).

For adding additional devices tap the “+” in the right-hand corner and tap on “Add Device”.



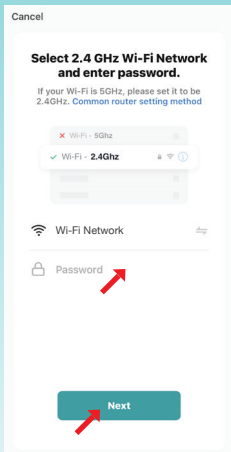
### Step 4 - Select ASC (Wi-Fi), ASI (Wi-Fi) or ASP (Wi-Fi)





## Step 5 - Enter the Wi-Fi credentials

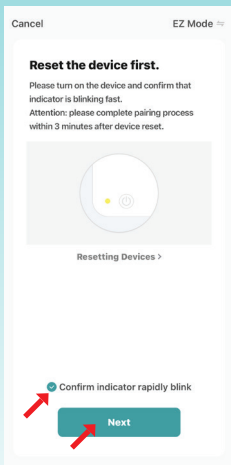
Select a 2.4 GHz Wi-Fi network and enter the Wi-Fi password and tap “Next”.



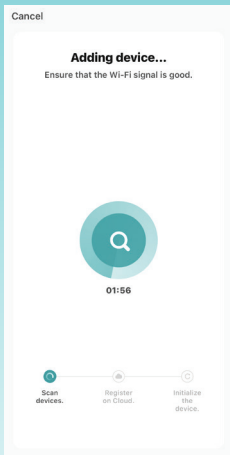
Ensure that the Wi-Fi password is entered correctly. If the password is entered incorrectly, you will not be notified, the device will simply fail to pair.

## Step 6 - Initiate pairing mode

Push and hold the Power Button on the CBI Astute Smart device for a few seconds until the LED switches off and release. Press the Power Button once and observe the LED indicator light **flashing rapidly**. If yes, the pairing mode is active, tick “**Confirm indicator rapidly blink**” and then tap “**Next**” on screen.



## Step 7 - The pairing status will be displayed on the screen



### If connection attempt fails:

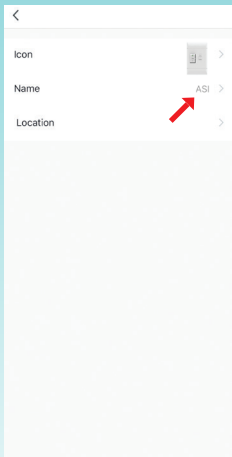
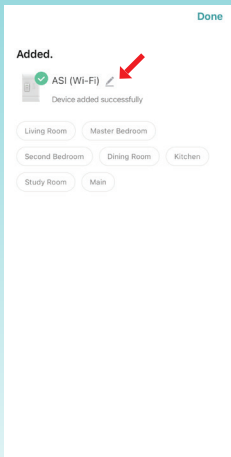
1. Repeat step 5 and 6
2. Ensure that Wi-Fi password is entered correctly. If the password is entered incorrectly, you will not be notified, the device will simply fail to pair.
3. If the problem persists, repeat step 3 to 7 or see the **FAQs** on our website or contact CBI on the support email: **astute@cbi-electric.com**

**Note:** If the indicator light stops flashing while in pairing mode the device has been found and is busy connecting.

## Step 8 - Rename the device

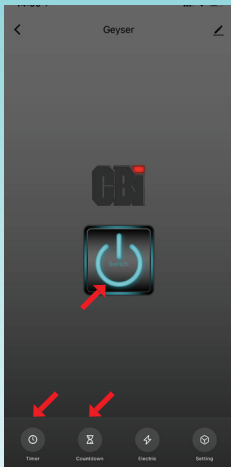
The device has been added successfully. Tap on the edit button and change the device name if required.

Tap **“Done”**.



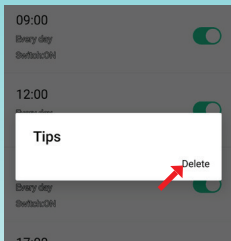
## Step 9 - Setup complete

The device can now be controlled via the App. Schedules can be set in the timer menu.

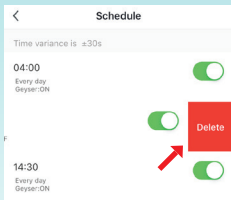


## How to delete schedules

Tap and hold to delete; or swipe to the left to delete (dependant on mobile platform).



or



This instruction manual is available online at [www.cbi-lowvoltage.com/astute](http://www.cbi-lowvoltage.com/astute); or scan the QR code and select ASC, ASI, ASP or ASP-D:



Alternatively subscribe to CBI's YouTube channel for instruction videos: [CBI-electric: low voltage](https://www.youtube.com/channel/UC...).

# Astute Smart Range Device Operation

## Power Button

Power Button		
	Press Power Button and release after	LED Status
Manual Control	1 second	RED FLASH
Wi-Fi Pairing	5 seconds	BLUE FLASH

## LED Status Information

LED Status Indication						
Power (Red)	Wi-Fi (Blue)	Pair Mode	Output	LED Status		Comment
				RED (Switch output)	BLUE (Wi-Fi)	
OFF	*	*	*	OFF	OFF	No power
ON	*	UNPAIRED	OFF	ON	OFF	Not paired and / or no Wi-Fi
ON	*	ACTIVE	OFF	ON	ON FLASHING	Pairing Mode active
ON	ON	PAIRED	OFF	ON	ON	Successful connection to Wi-Fi and output OFF
ON	ON	PAIRED	ON	ON FLASHING	ON	Manual or App output ON
ON	*	UNPAIRED	ON	ON FLASHING	OFF	Manual ON only

**Note:** the combined appearance of RED and BLUE LEDs might appear purple. It is recommended that when pairing devices a hand is placed over device to see the Blue flashing.

## Power Failure

The unit will not operate during a power failure. The functions of the Astute Smart Device will be re-established when power, a Wi-Fi and internet connection is restored.

All automations and schedules will remain during power failures or loss of internet connection. The device will continue to switch according to the set schedules without internet connection, but automations will not function.

Internet connection speed could affect switching and readings.

Manual operation can be done on the device in the event of loss of internet connection.

# Troubleshooting

## 1. Cannot discover the device on the App

**A:** Ensure that the Wi-Fi router is 2.4 GHz and connected to the internet; and that the smartphone and Astute Smart Device connects to the same Wi-Fi.

Ensure that the Wi-Fi password is correct.

## 2. Refer to the FAQs on the website for further troubleshooting:

[www.cbi-lowvoltage.co.za/faqs](http://www.cbi-lowvoltage.co.za/faqs)

## 3. Join our CBI Forum for further troubleshooting and support:

<https://forum.cbi.co.za/>

## 4. Subscribe to CBI's YouTube channel for instruction videos:

[CBI-electric: low voltage](#)

## 5. Ask our chatbot CBI-e for assistance on the Astute Range:

[www.cbi-lowvoltage.co.za](http://www.cbi-lowvoltage.co.za)



Hello, I am CBI-e, the CBI chatbot!

Can I help you with the CBI Astute Range?



## Head Office:

1 Tripswitch Drive  
Elandsfontein  
Gauteng  
South Africa  
1401

Private Bag 2016  
Isando  
1600

Tel: +27 11 928 2000  
Email: [astute@cbi-electric.com](mailto:astute@cbi-electric.com)  
Website: [www.cbi-lowvoltage.com](http://www.cbi-lowvoltage.com)

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