Gavita B200

Booster module for Gavita Master controller

1. Introduction

Thank you for purchasing the Gavita B200 Booster Module. Please read and understand this manual completely before using the product. Only use the product as specified in this manual.

1.1. Used symbols

Warning! A warning indicates severe damage to the user and/or product may occur when a procedure is not carried out as described.

Caution! A caution sign indicates problems may occur if a procedure is not carried out as described. It may also serve as a reminder to the user.

Note: A note gives additional information, e.g. for a procedure.

The symbol on the material, accessories or packaging indicates that this product may not be discarded as household waste. Dispose of the equipment through a recycling centre that handles electronics and electrical appliances within the EU and in other European countries which use separate collection systems for used electronics and electrical appliances. By disposing of the equipment in the proper way, you will be helping to prevent possible risks to the environment and public health, which might otherwise be caused by improper handling of the discarded equipment. Recycling of materials contributes to the conservation of natural resources. Therefore, please do not dispose of your old electronics and electrical appliances via household waste.

This symbol is an internationally recognized symbol used to designate recyclable materials.

2. Product description

The Gavita B200 Booster Module is an add-on product to the Gavita Master Controller EL1 and EL2. The B200 booster is designed to expand the number of ballasts that can be controlled with an EL1 or EL2 controller. A standard controller port can control up to 50 ballasts. The B200 booster, connected to the controller port, can drive 4 x 50 ballasts. You can add up to 3 boosters to a controller port, enabling you to drive hundreds of fixtures with one controller.

3. Product information and specifications

3.1. General product information

Product name	B200 EU			B200 US	B200 AUS
Manufacturer	Gavita Holland bv			Gavita Holland bv	Gavita Holland bv
Version	EU	UK	CH	120V	AUS
EAN code	8718403054477	8718403054460	8718403054453	8718403054484	8718403054446
Part number	90.02.02.06	90.02.02.13	90.02.02.12	90.02.02.04	90.02.02.11
Plug type	EU plug 230 V	UK plug 240 V	CH plug 230 V	NEMA 5-15	AUS plug 240 V

3.2. Technical specifications

Dimensions (L*W*H)	88*75*70 mm / 3.5*3*2.8 "
Product weight	0,5 kg / 1.1 lbs
Input supply voltage	15 V DC
Temperature ambient	0 ~ 35 °Celsius / 32 ~ 95 °Fahrenheit
Relative humidity	25 - 70 % (Non condensing)
International Protection Rating	IP20
Insulation	Class 1
External control signal	Gavita Master controller analog protocol (<11,5V) - see manual EL controller
Maximum signal cable length	5 m / 16 ft
Controller input	RJ14
Ballast output (4x)	RJ9
Number of ballasts per output	Max. 50

3.3. Compatible products and accessories

	Product name	Gavita part number
Compatible controller cables	Controller cable RJ9 - RJ14, 1,5 meter / 5 ft	60.50.00.11
	Controller cable RJ9 - RJ14, 5 meter / 16 ft	60.50.00.12
	Controller cable RJ9 - RJ14, 7,5 meter / 25 ft	60.50.00.13
Compatible interconnect cables	Interconnect cable RJ14 - RJ14, 0,6 meter / 2 ft	60.50.00.08
	Interconnect cable RJ14 - RJ14, 1,5 meter / 5 ft	60.50.00.04
	Interconnect cable RJ14 - RJ14, 2,4 meter / 8 ft	60.50.00.09
	Interconnect cable RJ14 - RJ14, 3 meter / 10 ft	60.50.00.10
Replacement adapter	Wall Plug Power Supply B200 US version 120V	90.02.02.07
	Wall Plug Power Supply B200 EU version 230V	90.02.02.09
	Wall Plug Power Supply B200 UK version 240V	90.02.02.08
	Wall Plug Power Supply B200 AUS version 240V	90.02.02.10
	Wall Plug Power Supply B200 CH version 230V	90.02.02.14

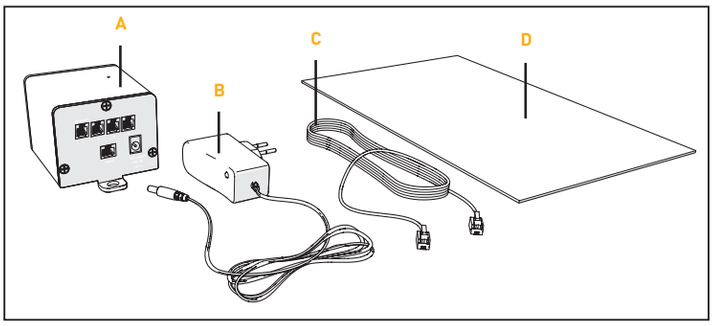
4. Safety recommendations and warnings

Warning! Carefully read the warnings below before using or working with the product!

- Always adhere to the local rules and regulations when installing or using the product.
- Do not use the product when its power cord is damaged. Replace the adapter only with an original certified adapter (paragraph 3.3).
- Do not connect more than 50 ballasts per output (max. 200 ballasts) to the B200 Booster Module.
- Do not expose the product to:
  - condensing humidity, heavy mist, fog or direct spray;
  - (ambient) temperatures outside the specified range;
  - dust and contamination;
  - direct sunlight during use or HID light that could heat up the product.
- Always disconnect the product from mains before performing any maintenance.
- The installation and use of the product is the responsibility of the end user. Incorrect use or installation can lead to failure and damage to the product. Damage to the product and electronic circuitry as a result of incorrect installation and use revokes the warranty.

5. Contents (1)

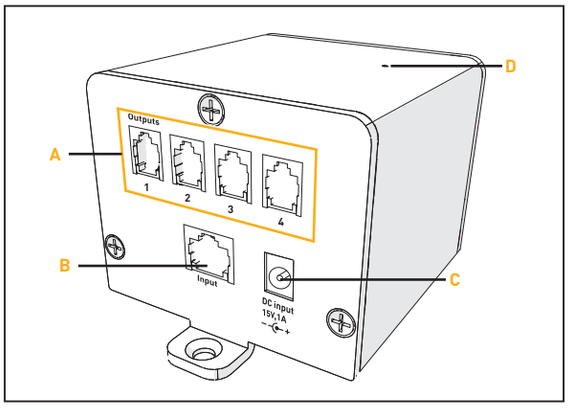
A. B200 Booster Module
B. 15 V DC power adapter
C. (4x) RJ9 (4P4C) - RJ14 (6P4C) controller cable 5 m /16 ft
D. Manual



1. Contents

6. Controls, connections and indications (2)

A. RJ9 (4P4C) output for controlling up to 50 additional ballasts (4x)
B. RJ14 (6P4C) input from the Master Controller
C. 15 V DC power input
D. LED power indicator



2. Controls, connections and indications

7. Installing the B200 Booster Module

⚠ **Warning!** Keep the B200 Booster Module away from water, extreme temperatures, moisture, dust and contamination.

⚠ **Caution!**

- When using the B200 booster, do not connect ballasts to the output port of the controller.
- The maximum combined cable length from booster to the fixtures is 100 m / 300 ft per output port.
- Mount the B200 Booster Module within signal cable length of the Master controller or use a suitable longer cable.

Note:

- Mount the B200 Booster Module close to a wall outlet.
- You can connect multiple boosters on a (combined) maximum of 100 m / 300 ft cable, using t-splitters (see image 3).
- We recommend to not use more than 5 boosters per controller port.

7.1. Preparing the product for use

- Mark the two mounting points of the B200 Booster Module on the wall. The mounting points are spaced 12,3 mm/0.48".
- Drill two holes.

⚠ **Warning!** Make sure you will not hit any water or gas pipe when drilling.

- Place plugs (not supplied).
- Screw the top screw (not supplied) in the wall.
- Hang the B200 Booster Module on top of the screw (4A).
- Secure the B200 Booster Module with the second screw (4B) (not supplied).

7.2. Connecting the Master Controller to the B200 Booster Module

- Push the RJ9 plug at one end of the controller cable into the RJ9 connection of the Master Controller (5).
- Push the RJ14 plug at the other end of the controller cable into the Input connection of the B200 Booster Module (6A).

7.3. Connecting the B200 Booster Module to a ballast

- Push the RJ9 plug at one end of the included controller cable into one of the four output connections of the B200 Booster Module (6B).
- Push the RJ14 plug at the other end of the controller cable into the desired ballast.

Note: Up to 50 ballasts can be driven per output of the B200 Booster Module.

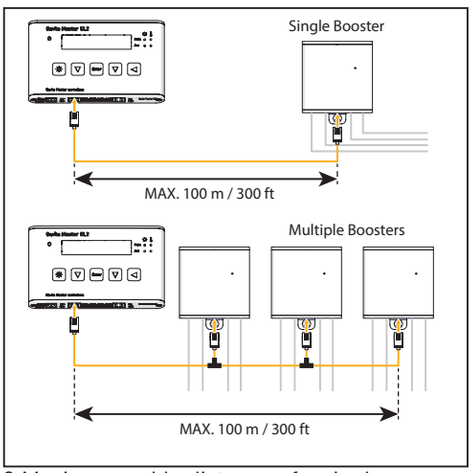
- If desired, repeat the steps in this paragraph for the other 3 output connections.

7.4. Connecting the B200 Booster Module to a second B200 Booster

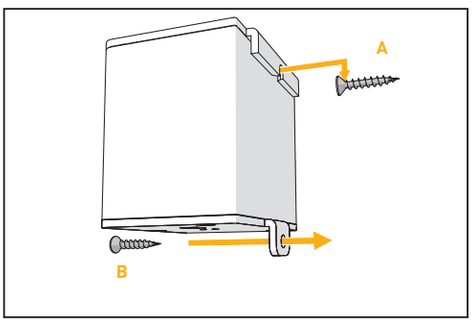
- Remove the RJ14 plug from the first B200 Booster Module and push it into the RJ14 connection on a T-splitter (not supplied).
- Connect one output of the T-splitter to the RJ14 connection of the first B200 Booster using an interconnect cable (not supplied).
- Connect the other output of the T-splitter to the RJ14 connection of the second B200 Booster using an interconnect cable (not supplied).
- Repeat this process to connect up to 5 B200 Boosters.

7.5. Connecting the product to the mains

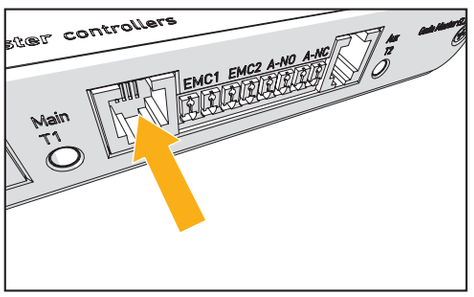
- Push de DC connector of the power adapter into the DC inlet of the B200 Booster Module.
- Push the power adapter into the wall outlet.



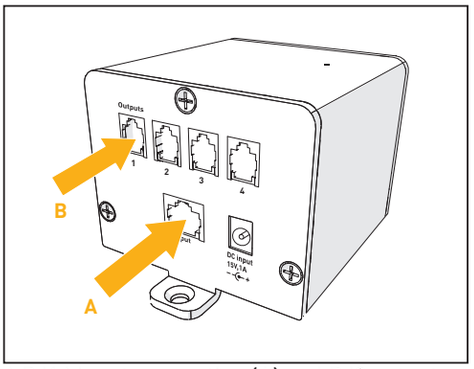
3.Maximum cable distance of a single Booster/ multiple Boosters



4.Installing the B200 Booster Module



5. Push the RJ9 plug at one end of the controller cable into the RJ9 connection of the Master Controller



6.RJ14 input connection (A) and RJ9 output connections (B) on the B200 Booster

8. Maintenance and repair

⚠ **Warning!** Do not open or disassemble the product, it contains no servicable parts inside. Opening the product can be dangerous and will void the warranty.

- Regularly check the product for dust or dirt buildup. Clean if necessary.
  - Clean the product only with a soft, dry cloth.
- Regularly check the wiring of the product to ensure it is undamaged. If damaged, replace the adapter with an original certified adapter (paragraph 3.3).

9. Storage and disposal

- Store the product in a dry and clean environment, with an environmental temperature of -20 ~ 85 °Celsius / -4 ~ 185 °Fahrenheit.
- The product must not be discarded as unsorted municipal waste, but must be collected separately for the purpose of treatment, recovery and environmentally sound disposal.

10. Warranty

- Gavita Holland warrants the mechanical and electronic components of their product to be free of defects in material and workmanship if used under normal operating conditions for a period of two (2) years from the original date of purchase. If the product shows any defects within this period and that defect is not due to user error or improper use Gavita Holland shall, at its discretion, either replace or repair the product using suitable new or reconditioned products or parts. In case Gavita Holland decides to replace the entire product, this limited warranty shall apply to the replacement product for the remaining initial warranty period, i.e. two (2) years from the date of purchase of the original product. For service return the product to your shop with the original sales receipt.

Gavita Holland bv
Oosteinderweg 127
1432 AH Aalsmeer
The Netherlands

Tel: +31(0)297-380 450
Fax: +31(0)297-380 451
E: info@gavita-holland.com
W: www.gavita-holland.com