

NAYAR **Advertisim**

1 — Last update: Jul 18, 2022

Nayar Systems

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1. 1. Installation Guide

[All in One 10E](#)

[All in One 10S](#)

[All in One 10I](#)

[All in One 15E](#)

[All in One 15S](#)

[TCU 10E](#)

[TCU 10K](#)

[TCU 22](#)

[ADV 10 CAN](#)

[ADV 10 BIN](#)

[ADV 10 HB CAN](#)

[ADV 15 CAN](#)

[ADV 15 BIN](#)

1.1. 1.1. All In One 10E



INSTALLATION MANUAL **ALL IN ONE 10E**

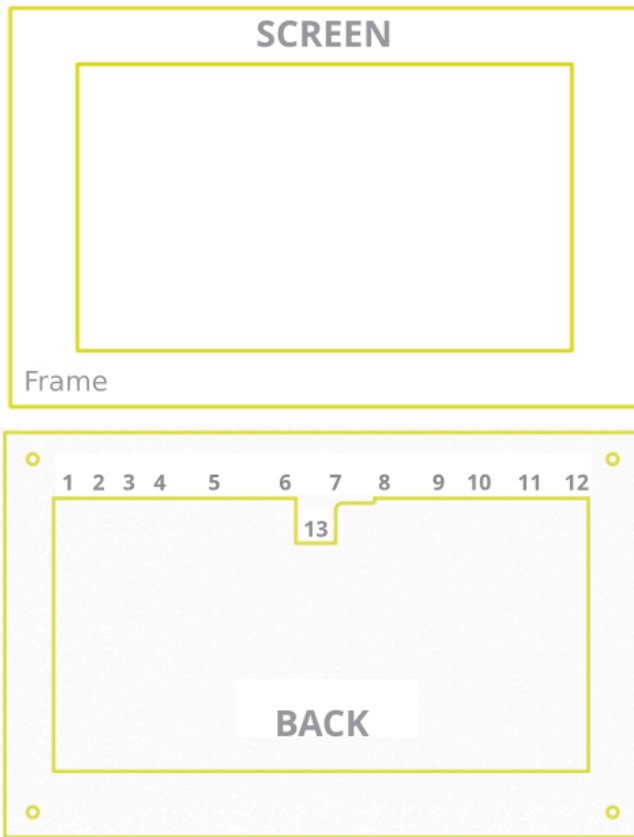
COMPONENTS

- a. All in One 10E
- b. Antenna GSM (Optional)
- c. Wireless USB Adapter (Optional)
- d. USB Extender cable
- e. 12VDC power adapter (Optional)
- f. Converter DC/DC 24V/12V (Optional)
- g. Die cut

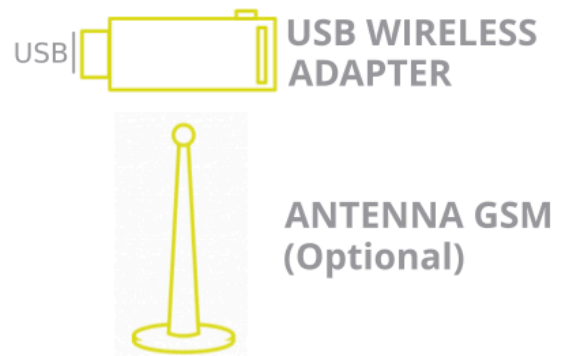


Depending on the type of connectivity chosen and the components selected when placing your Advertisim order, the content of the device may vary.

CONNECTION DIAGRAM



1. USB for WiFi adapter
2. USB
3. Ethernet
4. HDMI
5. SIM card (Optional)
6. AUDIO
7. VGA
8. 12VDC power supply
9. Antenna GSM (Optional)
10. Integrated Power Cable (Optional)
11. CAN
12. Digital Inputs Connector
13. Audio connector for Speakers Advertisim



INSTALLATION

1. Use the die included in the box to mark the anchor points and the necessary hole for the placement of the Advertisim.
2. Remove the die cut, drill the surface and place Advertisim in the desired location. Connect the antenna (if supplied) to the antenna connector (9). Locate the antenna on the outside of the cabin (recommended roof), in order to improve signal reception.
3. Connect the Wireless USB adapter (if supplied) using the USB Extender cable into one of the inputs of the Advertisim (1). Connect the antenna and the power supply.
4. Make the connections to the controller.
5. Position the screen on the wall as shown in the picture.
6. Depending on the model purchased, connect the integrated power cable (10) to the power supply system of the installation (use the DC/DC converter, if applicable) or plug the adapter into a mains socket and connect it to the Advertisim (8).
7. Configure the device using the Manager.

1.2. 1.2. All In One 10S



INSTALLATION MANUAL **ALL IN ONE 10S**

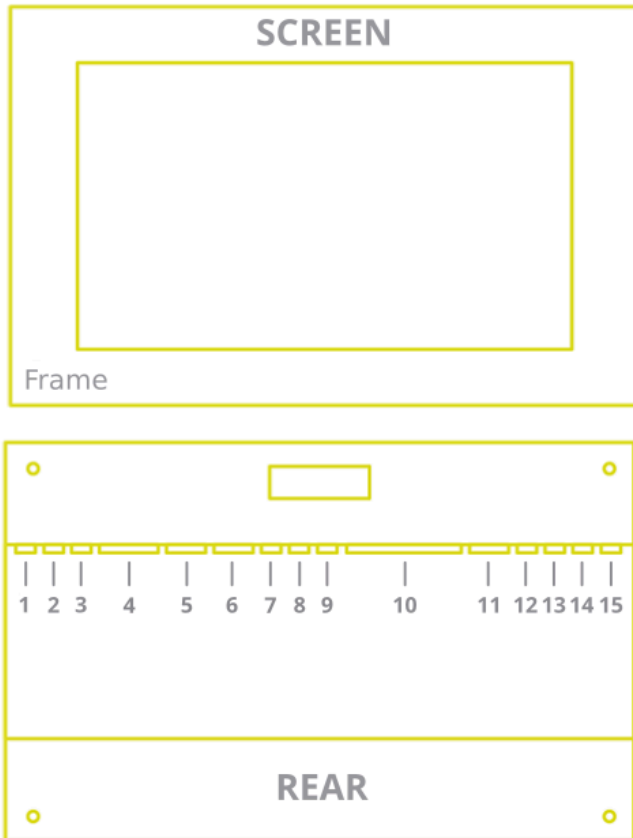
COMPONENTS

- a. All in One 10E
- b. Antenna GSM (Optional)
- c. Wireless USB Adapter (Optional)
- d. USB Extender cable
- e. 12VDC power adapter (Optional)
- f. Die cut

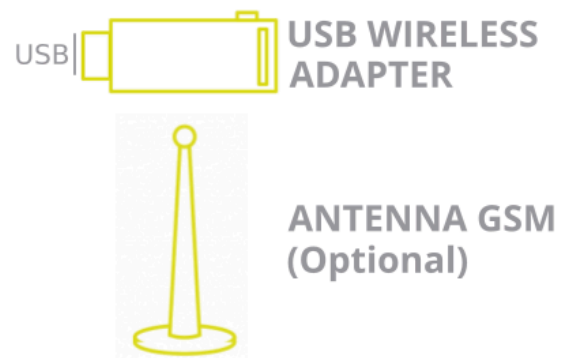


Your set will contain all necessary components according to your purchase order and type of connectivity you have indicated.

CONNECTORS DIAGRAM



1. 12VDC power supply
2. VGA input
3. Audio
4. SIM card (Optional)
5. HDMI
6. Ethernet
7. USB
8. USB for WiFi adaptor
9. Antenna GSM (Optional)
10. BINARY INPUT
11. SELECTOR
12. OUT
13. RS485
14. CAN
15. NPN



INSTALLATION

1. Use the die included in the box to mark the anchor points.
2. Mark the 4 holes to drill and a bigger one to pass the cables through the space in the middle of the metal frame. Drill the marked holes. Connect the antenna (if supplied) to the antenna connector (9). Locate the antenna on the outside of the cabin (recommended roof), in order to improve signal reception.
3. Connect the Wireless USB adapter (if supplied) using the USB Extender cable into one of the inputs of the Advertisim (8). Connect the antenna and the power supply.
4. Make the connections to the controller.
5. Position the screen on the wall as shown in the picture.
6. Plug the adapter into a mains socket and connect it to the Advertisim (1).
7. Configure the device using the Manager.

1.3. 1.3. All In One 10I



INSTALLATION MANUAL **ALL IN ONE 10I**

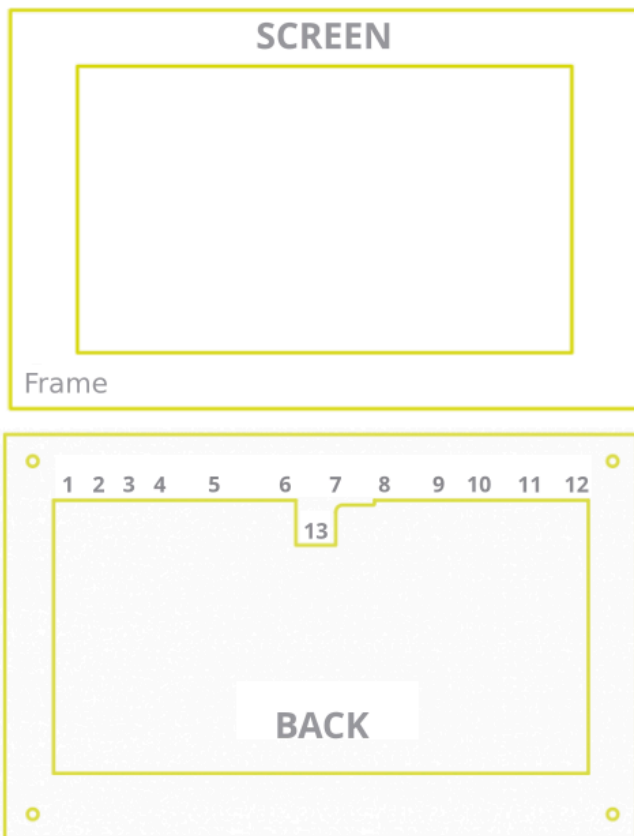
COMPONENTS

- a. All in One 10E
- b. Antenna GSM (Optional)
- c. Wireless USB Adapter (Optional)
- d. USB Extender cable
- e. 12VDC power adapter (Optional)

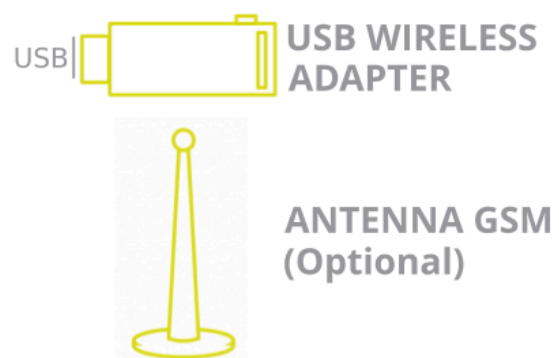


Your set will contain all necessary components according to your purchase order and type of connectivity you have indicated.

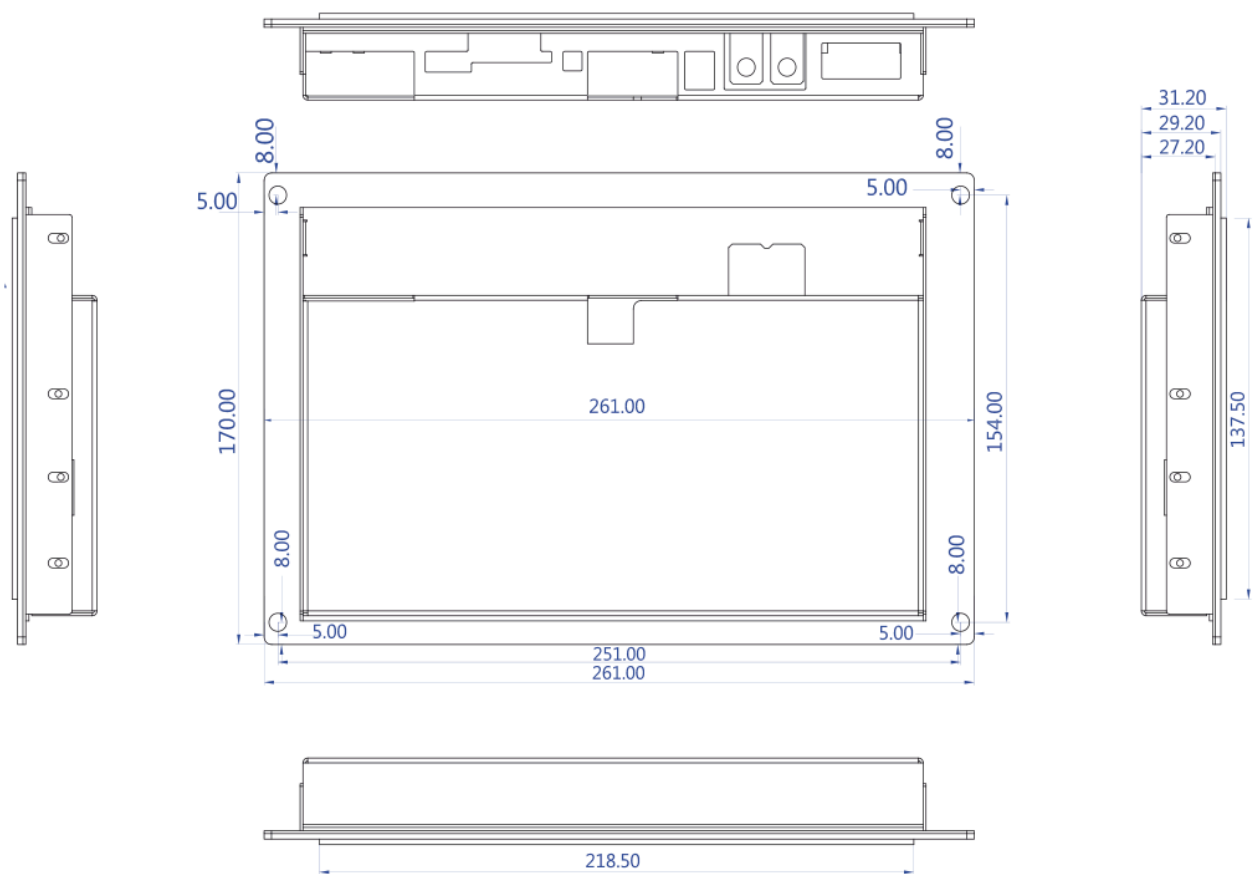
CONNECTORS DIAGRAM

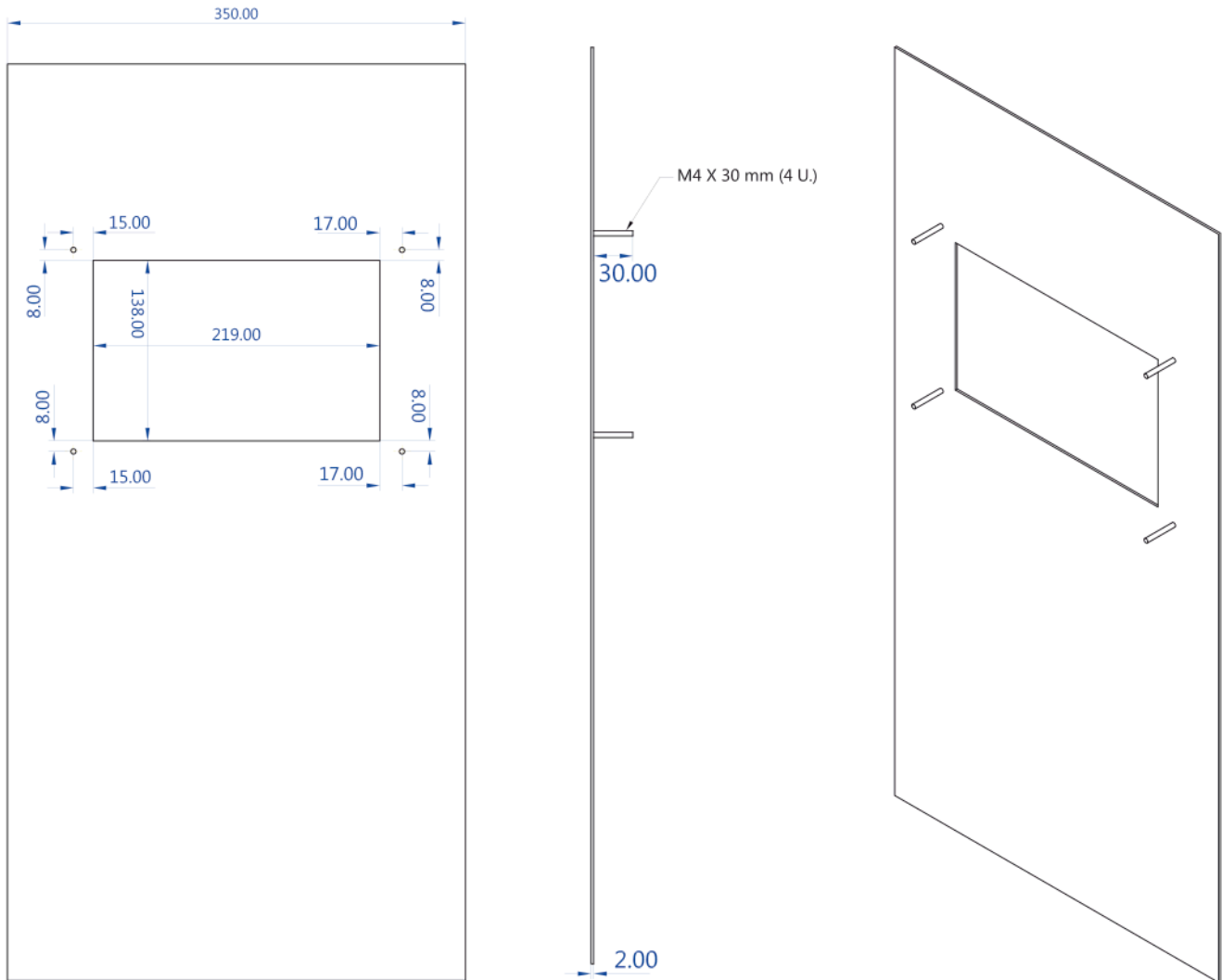


1. USB for WiFi adapter
2. USB
3. Ethernet
4. HDMI
5. SIM card (Optional)
6. AUDIO
7. VGA
8. 12VDC power supply
9. Antenna GSM (Optional)
10. Integrated Power Cable (Optional)
11. CAN
12. Digital Inputs Connector
13. Audio connector for Speakers Advertisim



DRAWINGS





INSTALLATION

1. Make the hole for the screen respecting the dimensions.
2. Position the screen on the wall as shown in the picture.
3. Locate the antenna on the outside of the cabin (recommended roof), in order to improve signal reception. Connect the antenna (if supplied) to the antenna connector (9). Connect the Wireless USB adapter (if supplied), using the USB Extender, into one of the inputs of the Advertisim (8). plug the adapter into a mains socket and connect it to the Advertisim (8).
4. Make the connections to the controller.
5. Depending on the model purchased, connect the integrated power cable (10) to the power supply system of the installation (use the DC/DC converter, if applicable) or plug the adapter into a mains socket and connect it to the Advertisim (8).
6. Configure the device using the Manager.

1.4. 1.4. All In One 15E



INSTALLATION MANUAL **ALL IN ONE 15E**

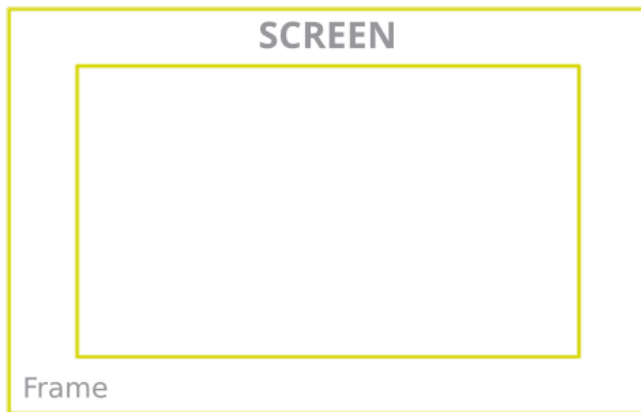
COMPONENTS

- a. All in One 15E
- b. Antenna GSM (Optional)
- c. Wireless USB Adapter (Optional)
- d. USB Extender cable
- e. 12VDC power adapter (Optional)
- f. Converter DC/DC 24V/12V (Optional)
- g. Die cut

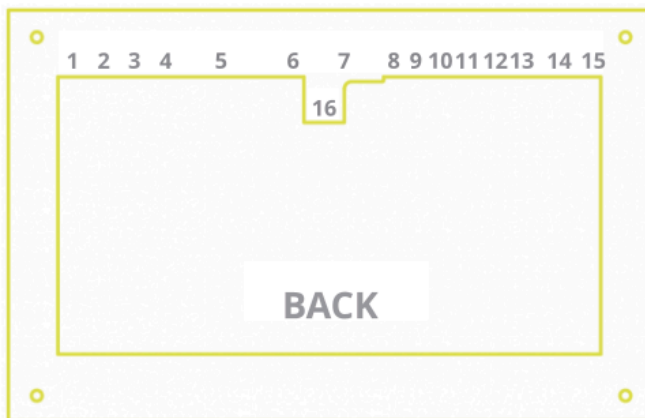


Your set will contain all necessary components according to your purchase order and type of connectivity you have indicated.

CONNECTORS DIAGRAM



1. USB for WiFi adapter
2. USB
3. Ethernet
4. HDMI
5. SIM card (Optional)
6. AUDIO
7. VGA
8. 12VDC power supply
9. Antenna GSM (Optional)
10. BINARY INPUT
11. SELECTOR
12. OUT
13. RS485
14. CAN
15. NPN
16. Audio connector for Speakers Advertisim



**ANTENNA GSM
(Optional)**

INSTALLATION

1. Use the die included in the box to mark the anchor points and the necessary hole for the placement of the Advertisim.
2. Remove the die cut, drill the surface and place Advertisim in the desired location. Connect the antenna (if supplied) to the antenna connector (9). Locate the antenna on the outside of the cabin (recommended roof), in order to improve signal reception.
3. Connect the antenna (if supplied) to the antenna connector (9). Connect the Wireless USB adapter (if supplied), using the USB Extender, into one of the inputs of the Advertisim (8). plug the adapter into a mains socket and connect it to the Advertisim (8).
4. Make the connections to the controller.
5. Position the screen on the wall as shown in the picture.
6. Plug the adapter into a mains socket and connect it to the Advertisim (8).

7. Configure the device using the Manager.

1.5. 1.5. All In One 15S



INSTALLATION MANUAL **ALL IN ONE 15S**

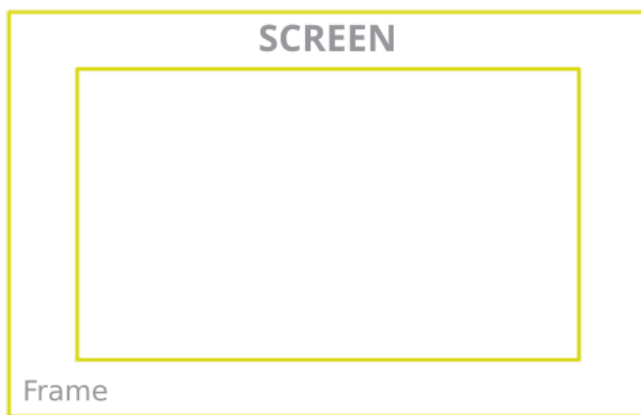
COMPONENTS

- a. All in One 15S
- b. Antenna GSM (Optional)
- c. Wireless USB Adapter (Optional)
- d. USB Extender cable
- e. 12VDC power adapter (Optional)
- f. Die cut

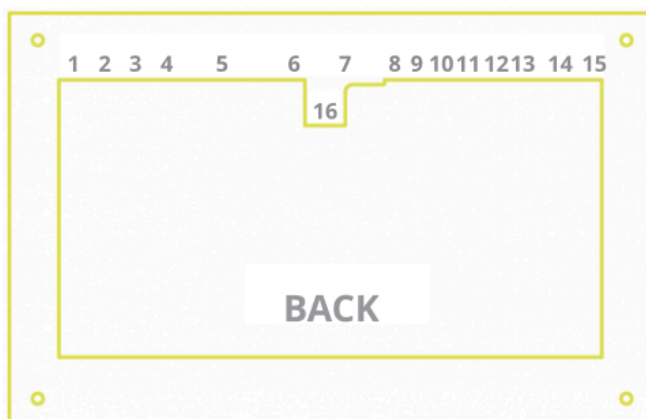


Your set will contain all necessary components according to your purchase order and type of connectivity you have indicated.

CONNECTORS DIAGRAM



1. USB for WiFi adapter
2. USB
3. Ethernet
4. HDMI
5. SIM card (Optional)
6. AUDIO
7. VGA
8. 12VDC power supply
9. Antenna GSM (Optional)
10. BINARY INPUT
11. SELECTOR
12. OUT
13. RS485
14. CAN
15. NPN
16. Audio connector for Speakers Advertisim



**ANTENNA GSM
(Optional)**

SURFACE INSTALLATION (Stainless frame)

1. Unscrew the screw nuts from the 6 studs.
2. Use the green cardboard die to mark the 6 holes to drill and a bigger hole to pass the cables through the space in the middle of the die.
3. Connect the antenna (if supplied) to the antenna connector (9). Connect the Wireless USB adapter (if supplied) into one of the inputs of the Advertisim (8). plug the adapter into a mains socket and connect it to the Advertisim (8).
4. Make the connections to the controller.
5. Position the screen on the wall as shown in the picture.
6. Plug the adapter into a mains socket and connect it to the Advertisim (1).
7. Configure the device using the Manager.

1.6. 1.6. TCU 10E



ADVERTISIM

INSTALLATION MANUAL **TCU+SCREEN**

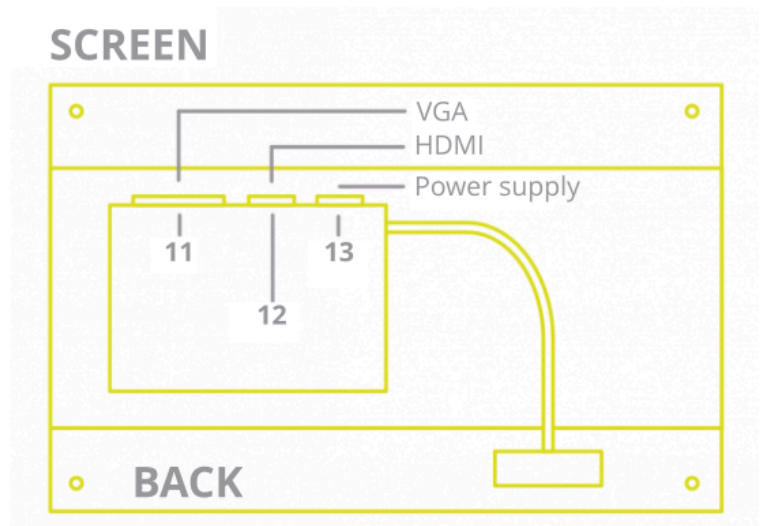
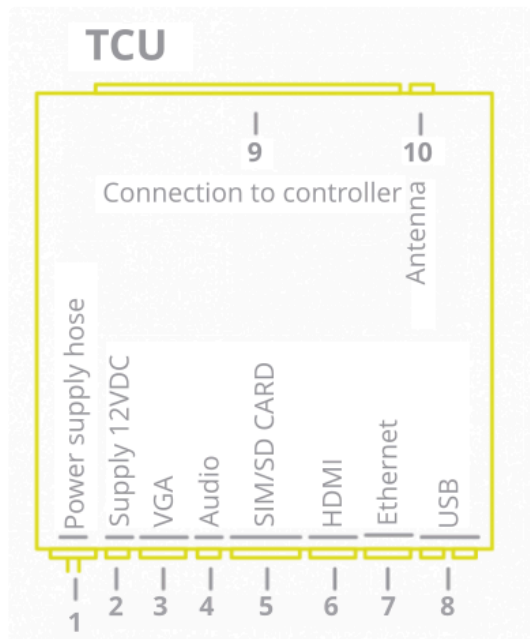
COMPONENTS

- a. TCU
- b. HDMI cable
- c. Brackets + Screen + Die (Optional)
- d. Antenna GSM (Optional)
- e. Wireless USB adaptor (Optional)
- f. Clamping nuts
- g. Power adaptor



The shipment will contain components according to your purchase order and type of connectivity you have chosen.

CONNECTORS



ANTENNA GSM
(Optional)



INSTALLATION

If you have purchased the Advertisim hardware without screen go directly to **3.3**.

1. Use the **die** from the Advertisim box to measure and make the corresponding space for the Advertisim screen and brackets.
2. Once you have used the die to mark the corresponding measures, drill the elevator cabin surface and place the screen and the brackets.
3. To connect the Advertisim screen to the **TCU** follow the steps.
 - 3.1. Through the **HDMI cable** (included in your Advertisim pack) connect the **TCU (6)** to the **HDMI input (12)** of the board located at the rear of the **screen**.
 - 3.2. Plug the **power supply cable (1)** to the board located at the rear of the **screen (13)**.
 - 3.3. Plug the **power supply hose** to **power outlet of 220V (2)** (grounding included).
 - 3.4. Connect the **Antenna** (if it is included) to the **MDA antenna connector (10)**.
4. Plug the **USB Wireless adaptor (16)** in one of the **USB inputs of the TCU (5)**. Screw the **WiFi antenna (18)** to the **Wireless USB adaptor (17)**.

- 5.** Make the connections to the controller.
- 6.** Place the TCU (preferably on top of the elevator car) and tight up the screw nuts.
- 7.** Configure the device using the Manager.

1.7. 1.7. TCU 10K

ADVERTISIM

TCU 10K

INSTALLATION MANUAL IN FRAME

TOOLS REQUIRED

- 5.5 mm hex or socket spanner (included in the kit)
- Phillips screwdriver
- Cutter
- Glass ceramic scraper (included in the kit)

The TCU (black box) will be installed in the upper part of the cabin. To this TCU we will connect:

- 3G SMA antenna (included)
- Flat cable with 8 binary input connector to the Binary input connector (included). The other end of this cable should be connected to the P5 connector of the remote station RS14 *
- HDMI cable (included)

INSTALLATION

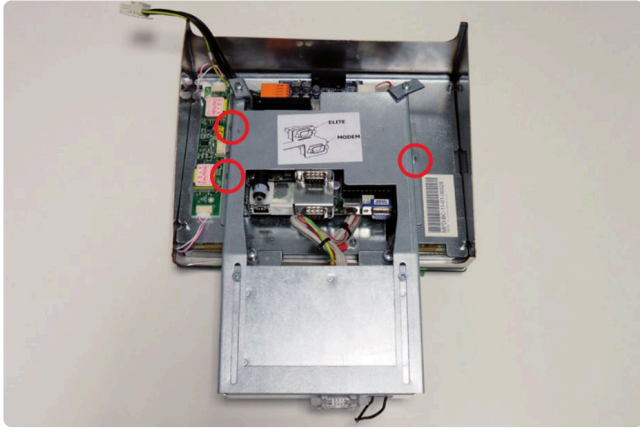
STEP 1

Remove all cables leading to the display, the cable coming from the remote remote station will be replaced by the cable with TCU connection at one end.

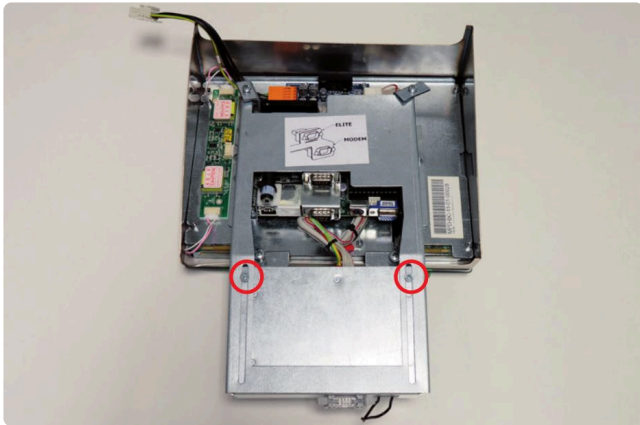


STEP 2

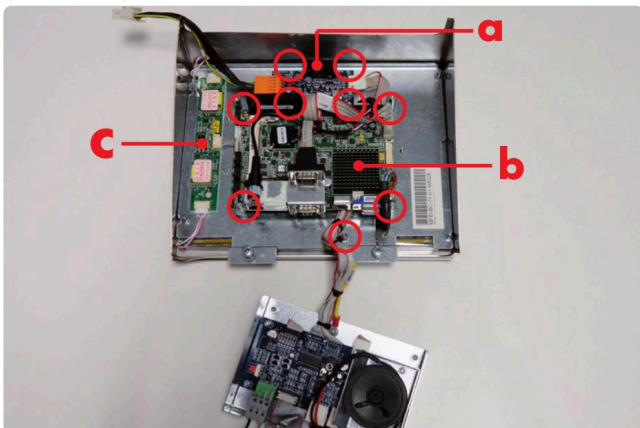
From the back, remove the nuts from the outer frame (3 nuts).



Remove the back frame screws (2 star screws). Phillips screws). Remove all the electronics, we are left with only the frame.



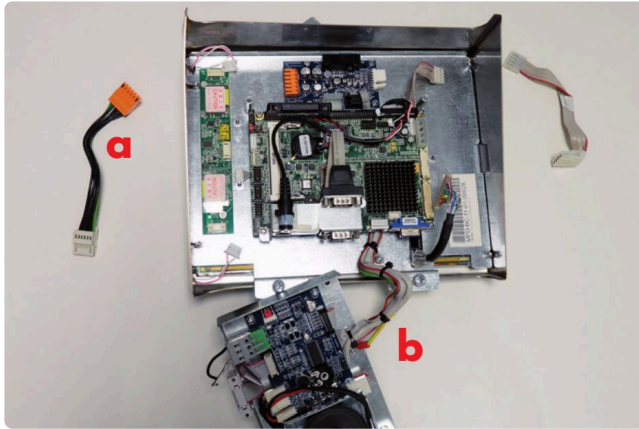
Remove the nuts from the power supply plate (4 nuts), from the minipc (4) and undo the cables grounding (1), and undo the connection cables to the display (4 connectors).



Position of the nuts::

- a.** Power supply board
- b.** MiniPc
- c.** Display source

Disconnecting the cables from the boards:

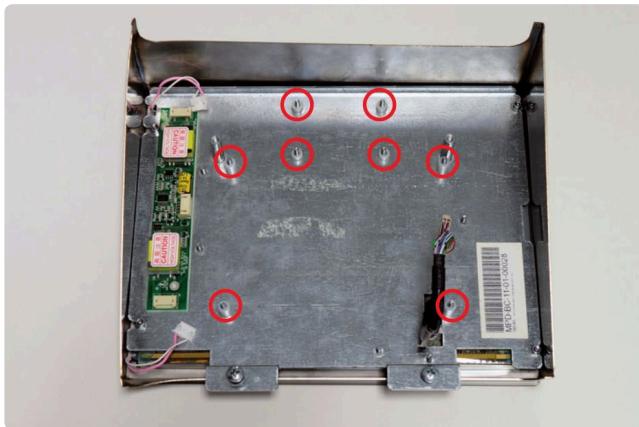


- a. Display cable by pulling upwards
- b. Display source cables by pulling to the side

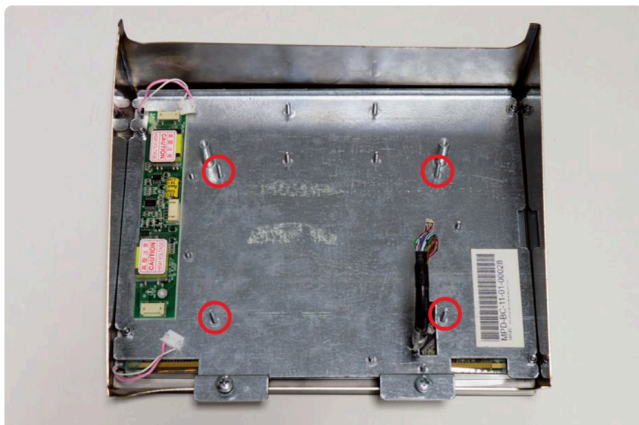
Remove the PC board and the power supply, we don't need it.

STEP 3

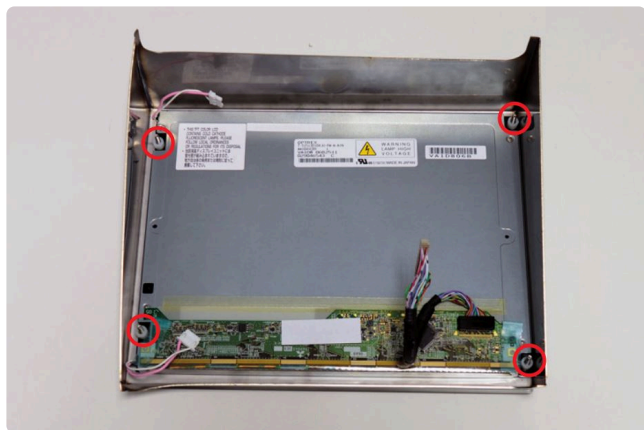
Remove the 8 spacers and the back plate. You can remove the power supply for the screen (optional).



Remove the nuts from the plate (4 nuts).



Remove the plate, it will be reused later. Remove the 4 separators from the the TFT screen.



Remove the TFT screen.



STEP 4

To remove glass, carefully pass a cutter between the glass and the frame, cutting the double-sided adhesive tape.

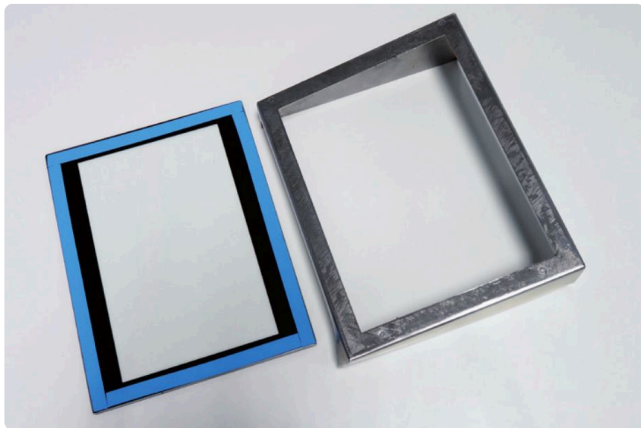


Once the glass has been removed, pass the glass scraper supplied in the kit, wipe the frame to remove any traces of adhesive tape.

Make sure that the frame is well cleaned of adhesive.



Glue the Advertisim glass to the frame. Pay attention to the centering of the glass in the frame.

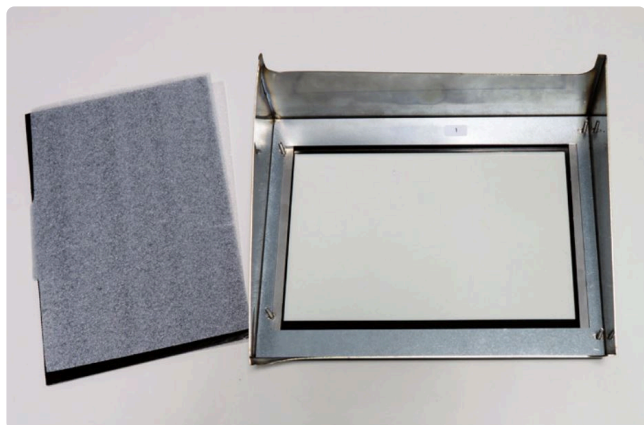


At this point it is very important to clean the inside of the glass well, once the TFT screen is in place, it will no longer be accessible. TFT screen will no longer be accessible.



STEP 5

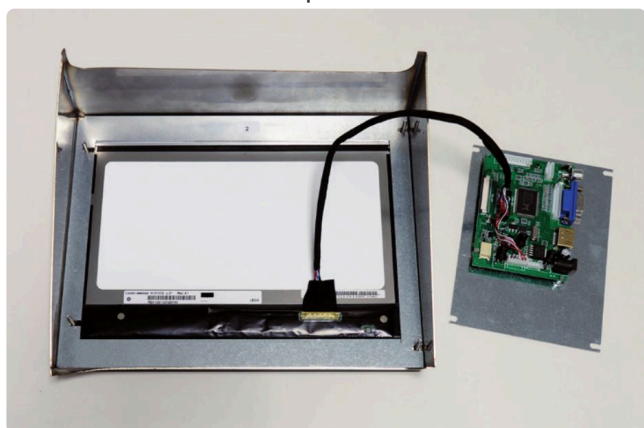
Insert the frame marked with 1 into the bottom of the frame, paying attention to the notch, which will be at the top left-hand side. The number should be upwards so that it is legible.



Place the screen in the recess of the frame 1, leaving the black area of the screen at the bottom of the frame. Place frame 2 with the tab in the same position as frame 1. Fit the 4 spacers included in the kit into the MPD pins.



Connect the cable to the TFT screen, by inserting it through the inside of the screen. See the upper part of the connector in the picture.

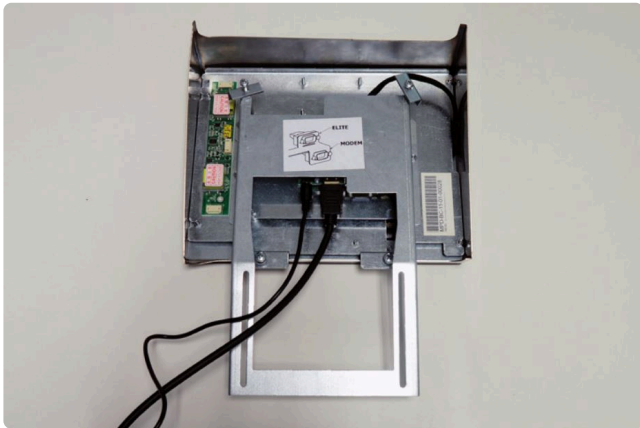


Mount the frame on the control panel, first fitting its upper screws and then tightening the lower screws.



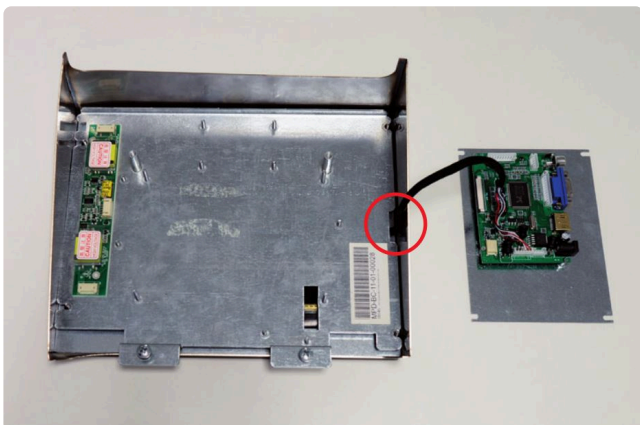
We will connect to the TFT controller the following cables coming from the TCU located in the cabin roof:

- HDMI cable.
- 12v power cable located above the HDMI connector (not to be confused with the 220v power to 220v or hose).

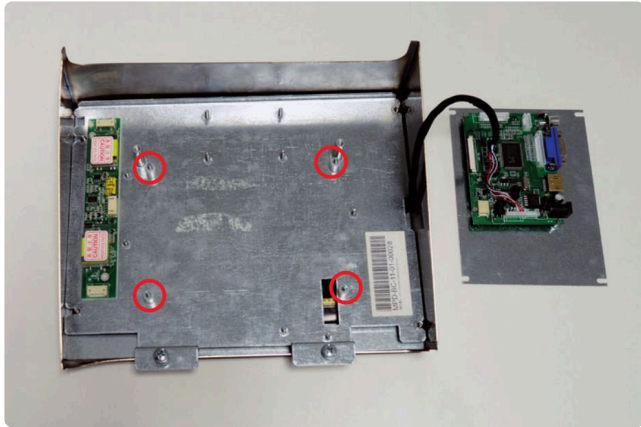


STEP 6

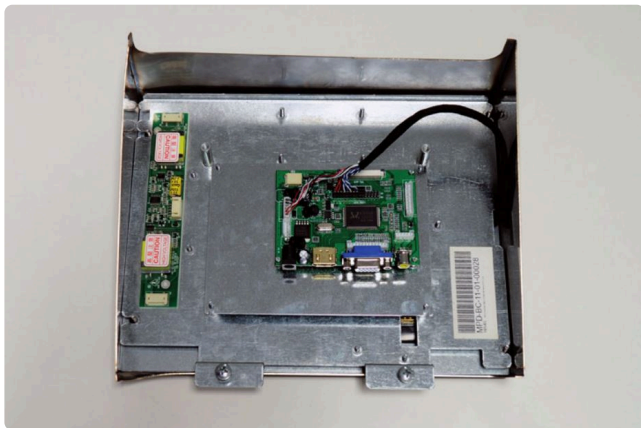
Mount the display board by passing the TFT cable through the side slot, which will be on the right-hand side.



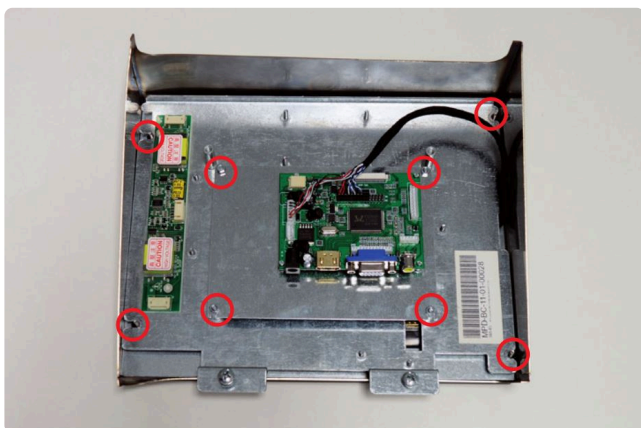
Fit the 4 long spacers previously removed from the plate itself and place them on the longer pins.



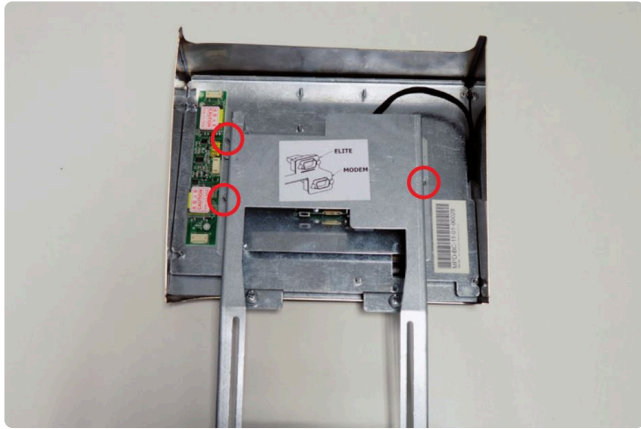
Place the TFT controller on the holes on the spacer pins. The HDMI connector should be facing down and the the display cable over the female pin on the right side.



Screw the plate to the frame, either with the original nuts or with the 4 nuts enclosed in the bag. Screw the large plate to the MPD frame, either with the four spare nuts supplied in the kit or with 4 nuts from the frame itself, which were removed.



Screw the outer frame of the display by screwing it to the TFT screen plate (3 nuts).



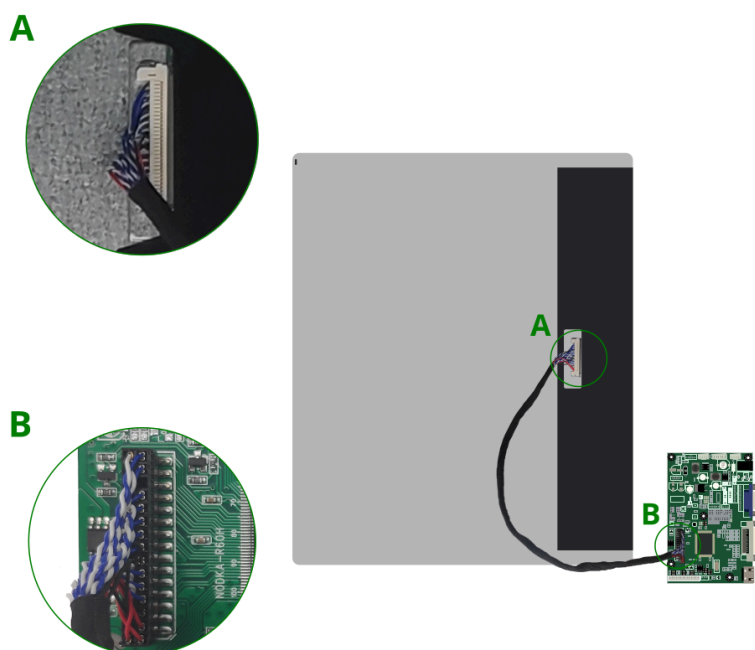
1.8. 1.8. TCU 17

COMPONENTS

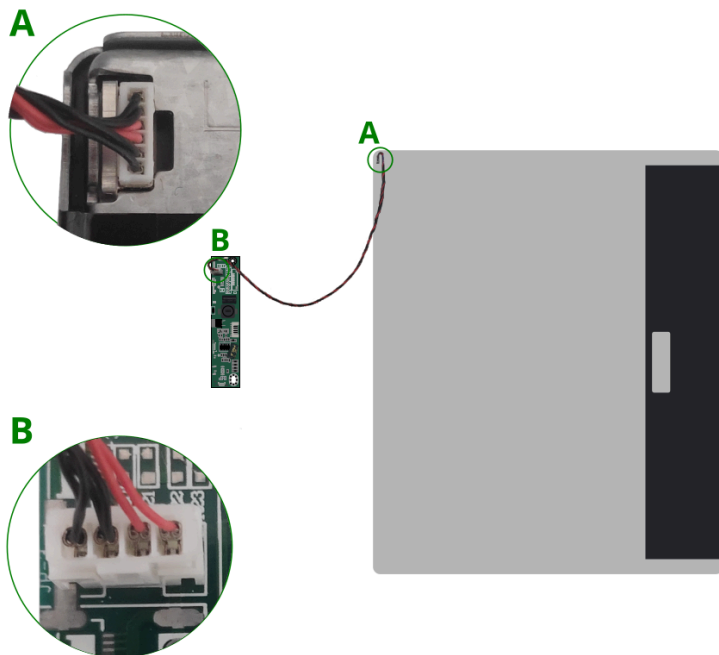
1. 17" TFT Panel
2. TCU
3. 12VDC Power Adapter
4. Controller Board
5. HDMI Cable
6. 3G Antenna
7. LVDS Cable
8. Terminal Bloks 3.81mm 2P, 6P and 8P
9. USB WIFI Adapter
10. Driver
11. Controller Driver Cable
12. Backlight Cable

INSTALLATION

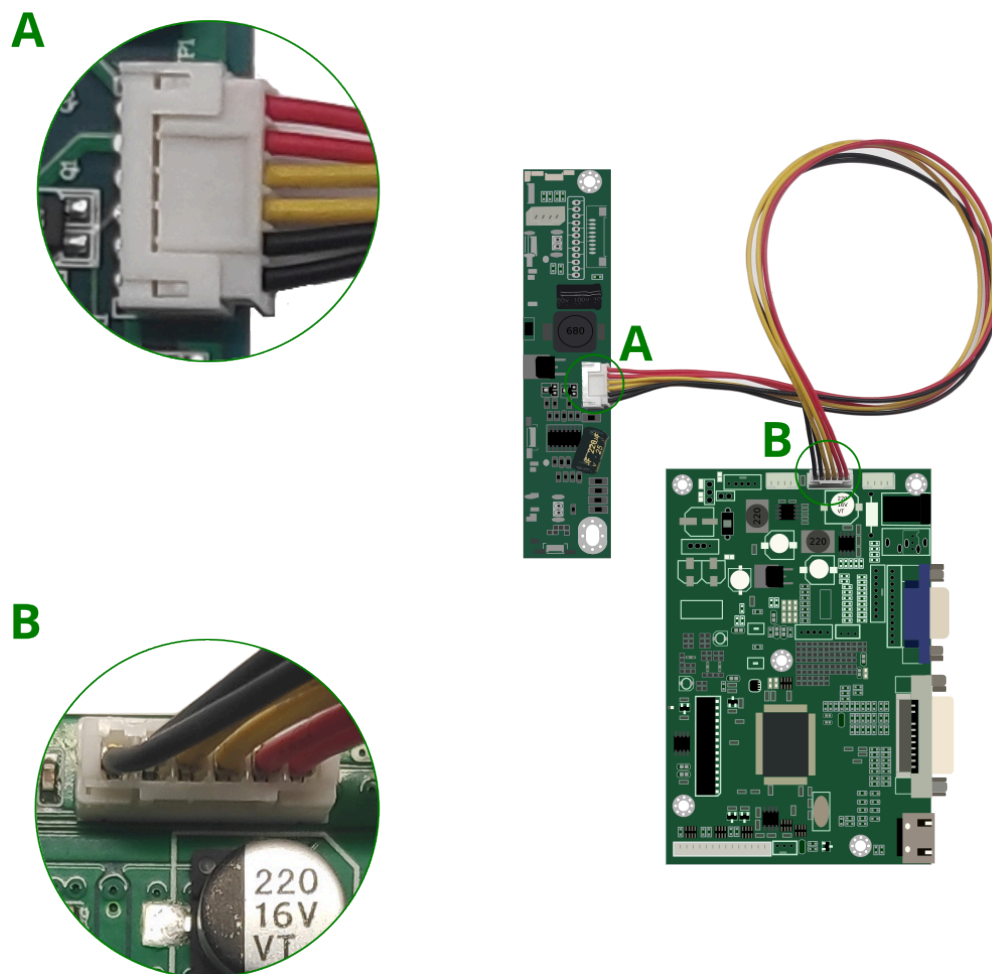
STEP 1: Connect the Controller Board to the TFT 17" Panel with the LVDS Cable.



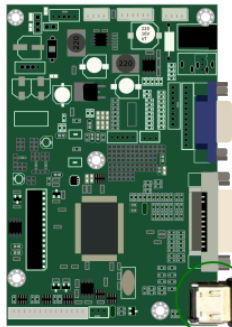
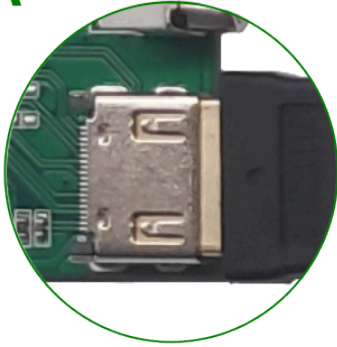
STEP 2: Connect the Driver to the TFT 17" Panel with the BackLight Cable.



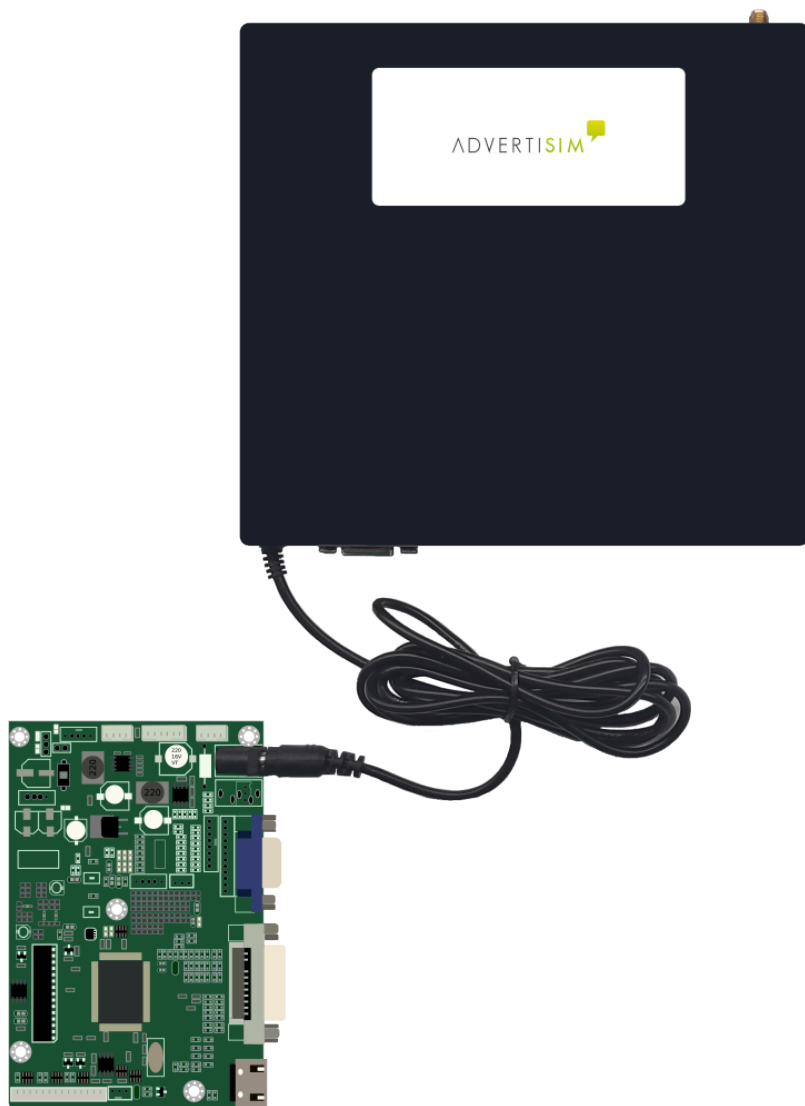
STEP 3: Connect the Driver to the Controller Board with the Controller Driver Cable.



STEP 4: Connect the HDMI to the Controller Board and the TCU.

A**A**

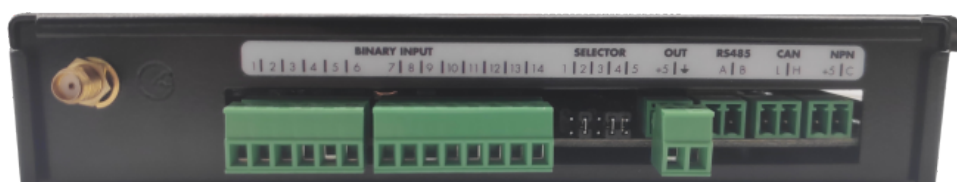
STEP 5: Connect the output current of the TCU to the Controller Board.



STEP 6: Connect the terminal blocks to the TCU.

[Controller generic connections](#)

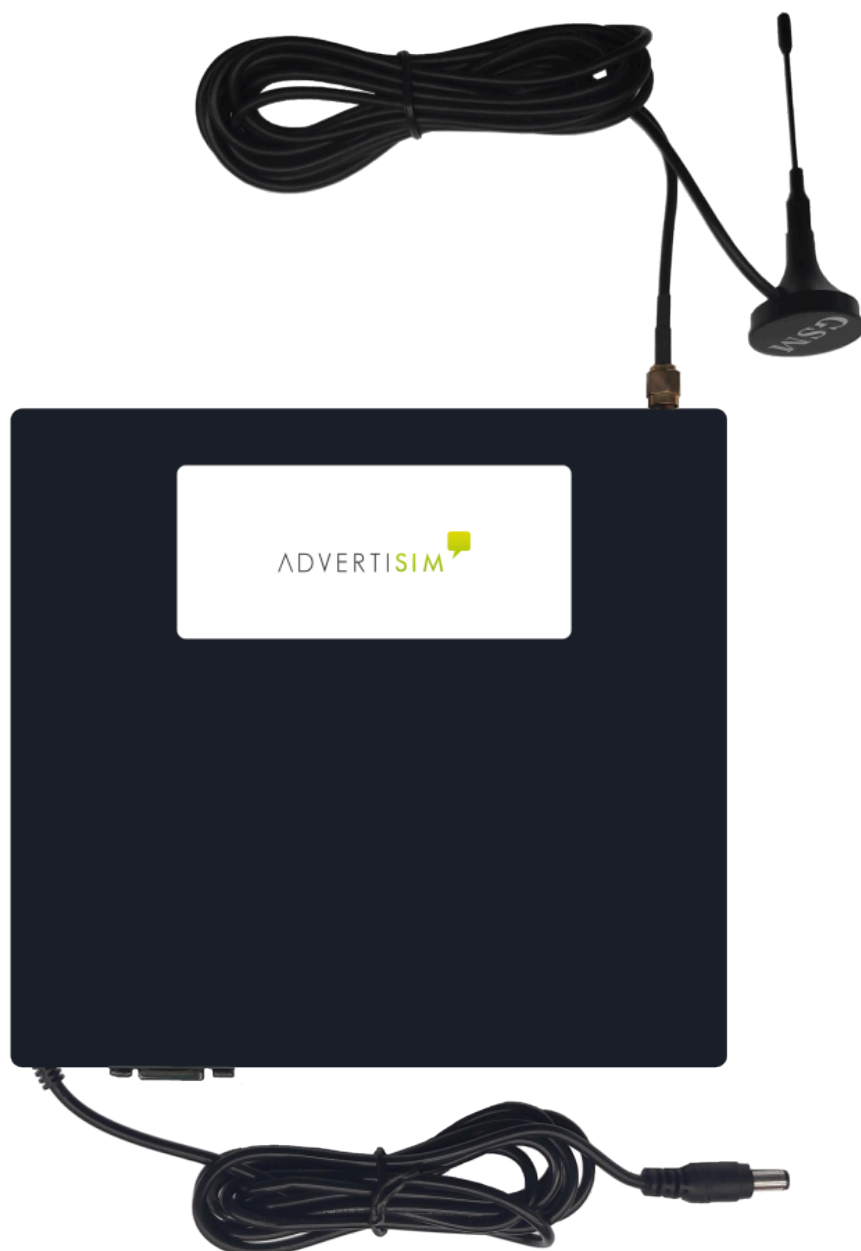
Front



STEP 7: Connect the USB WIFI Adapter to the TCU. Connect the 12VDC Power Adapter to the TCU.



Opcional STEP: If the product was purchased with an antenna, connect the Antenna to the TCU.



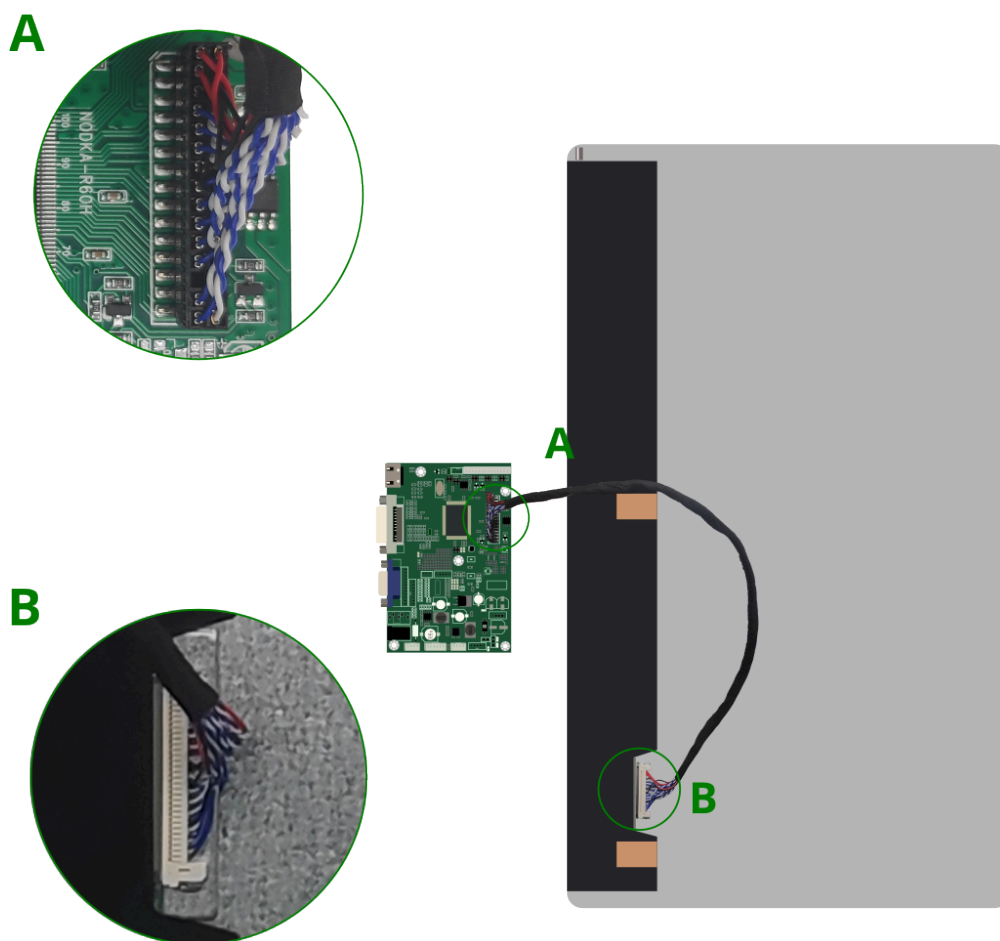
1.9. 1.9. TCU 22

COMPONENTS

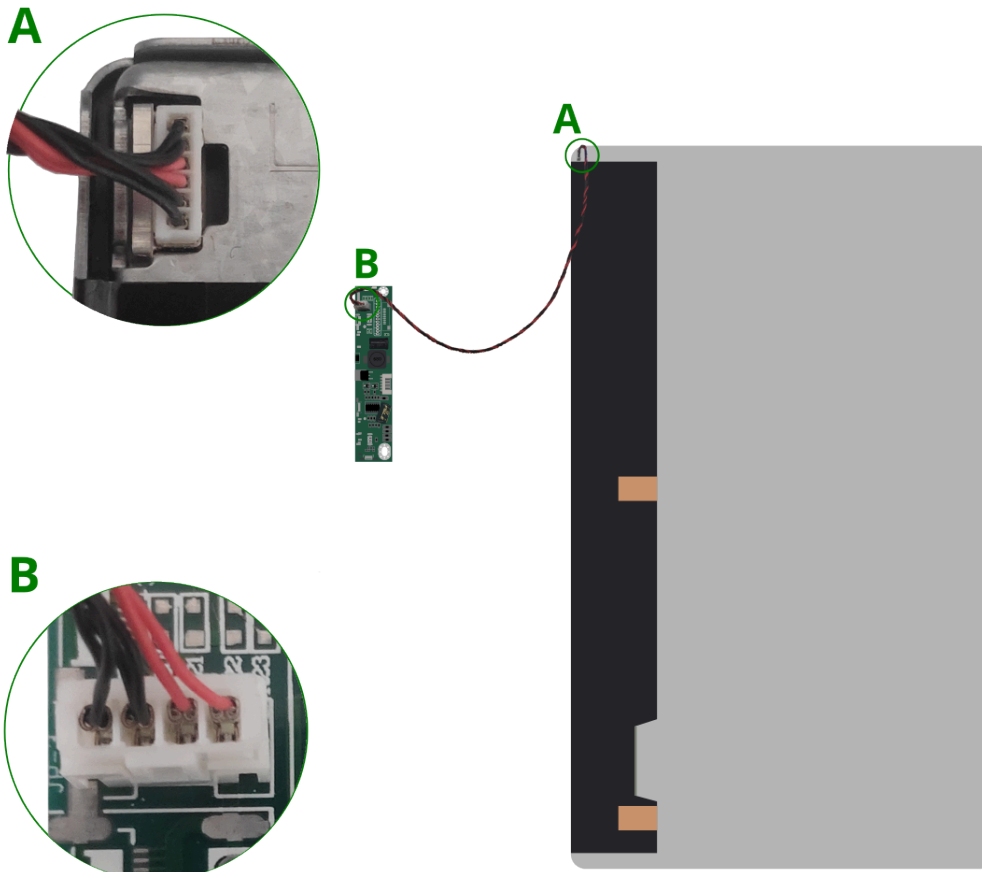
1. 22" TFT Panel
2. TCU
3. 12VDC Power Adapter
4. Controller Board
5. HDMI Cable
6. 3G Antenna
7. LVDS Cable
8. Terminal Bloks 3.81mm 2P, 6P and 8P
9. USB WIFI Adapter
10. Driver
11. Controller Driver Cable
12. Backlight Cable

INSTALLATION

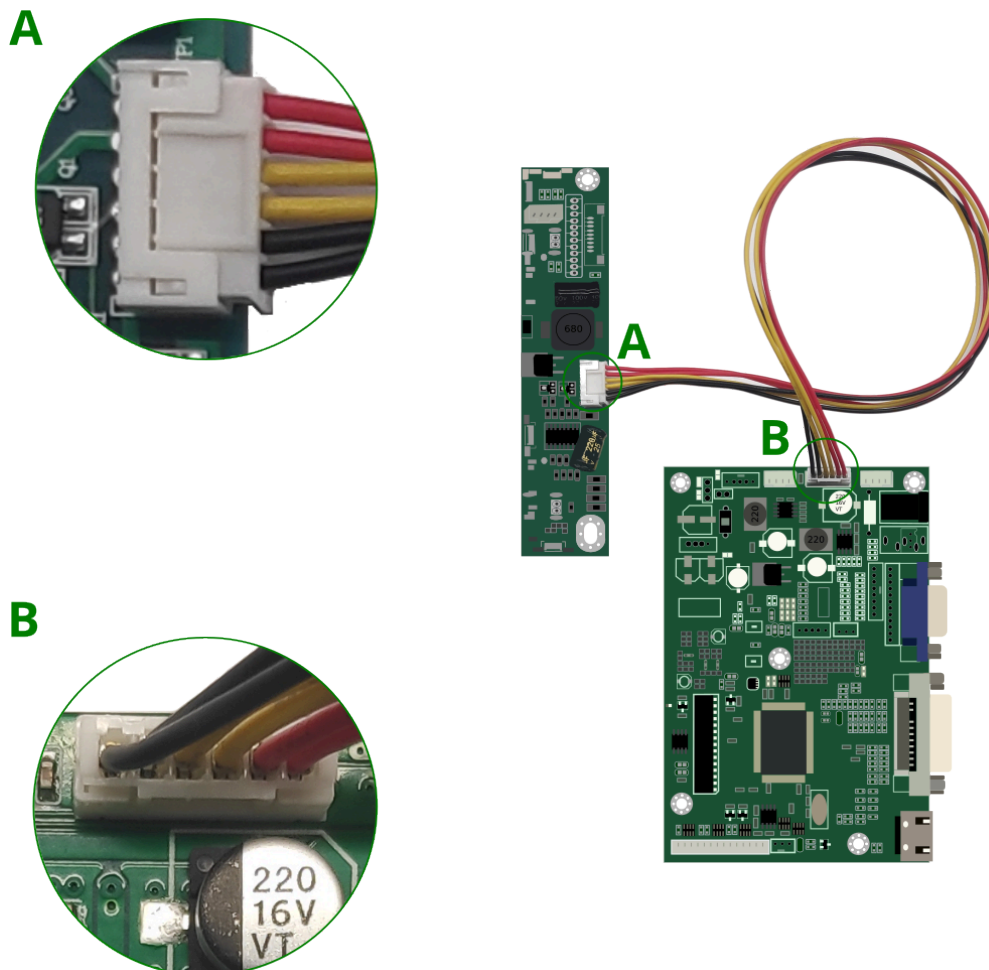
STEP 1: Connect the Controller Board to the TFT 22" Panel with the LVDS Cable.



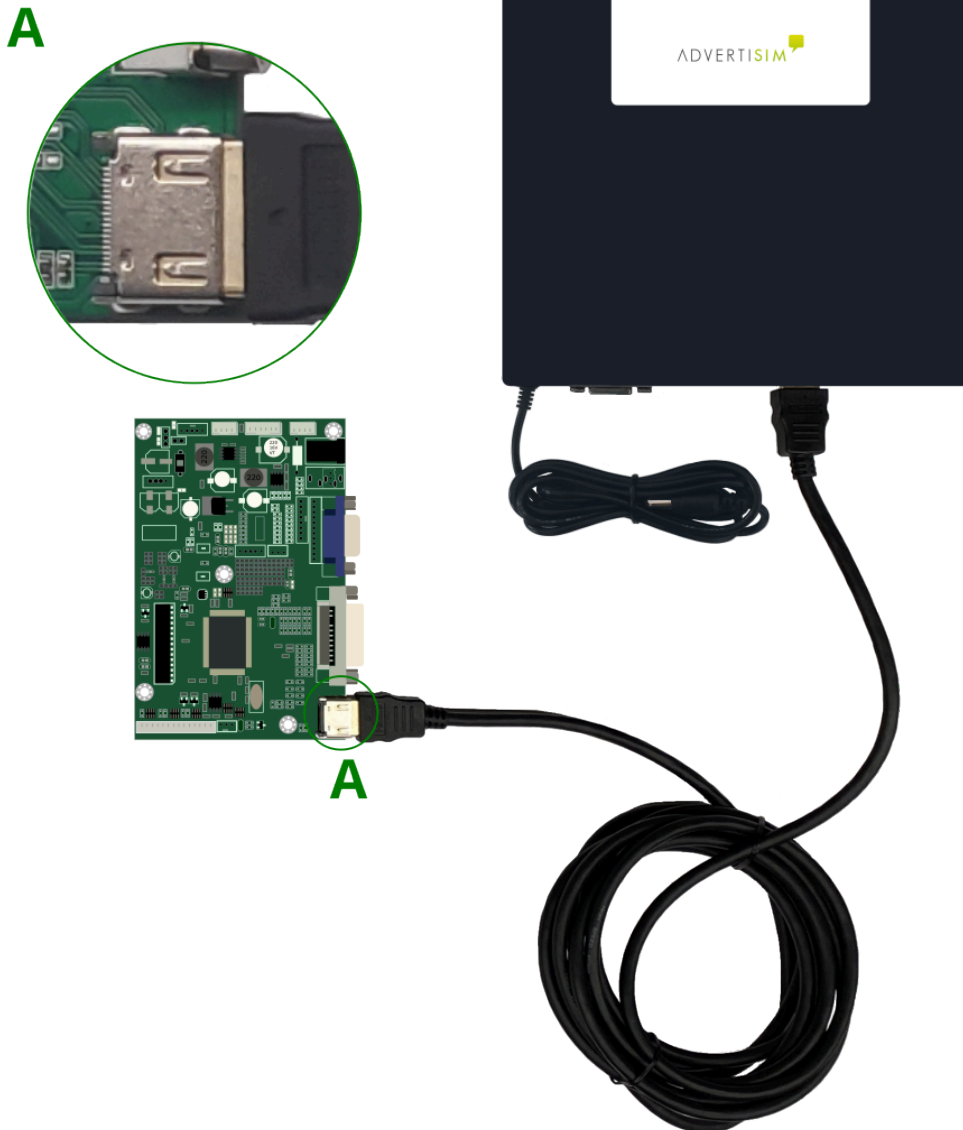
STEP 2: Connect the Driver to the TFT 22" Panel with the BackLight Cable.



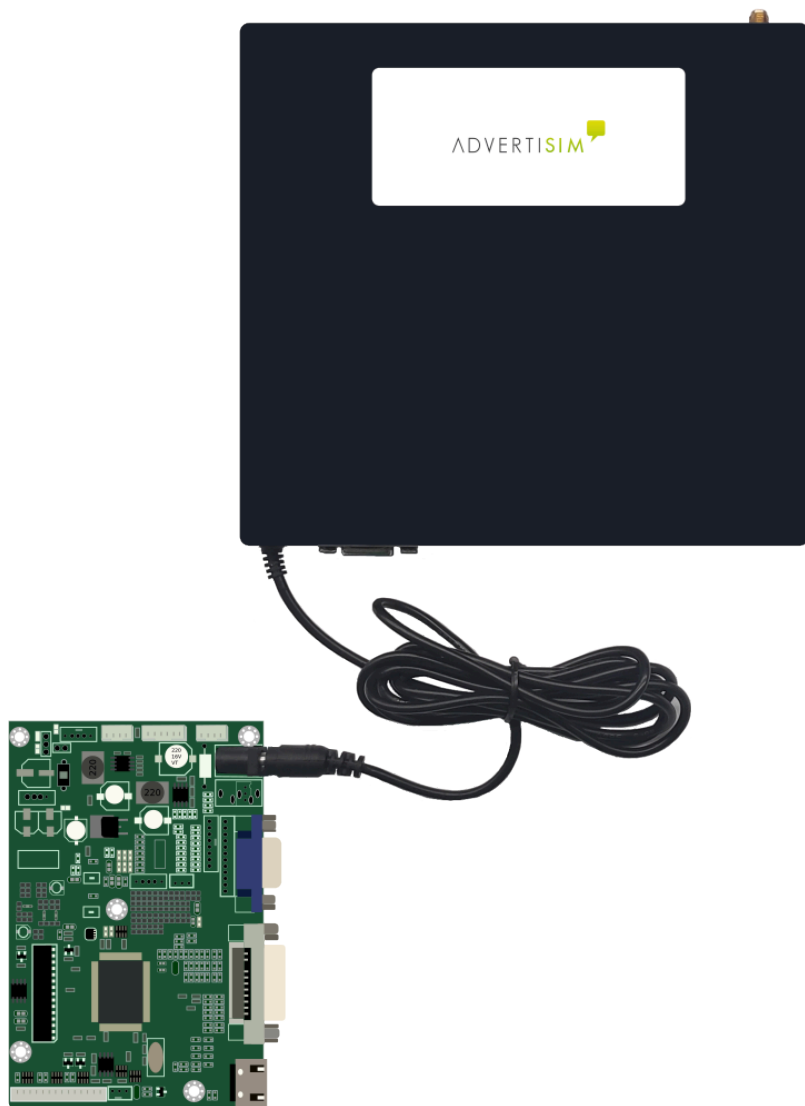
STEP 3: Connect the Driver to the Controller Board with the Controller Driver Cable.



STEP 4: Connect the HDMI to the Controller Board and the TCU.



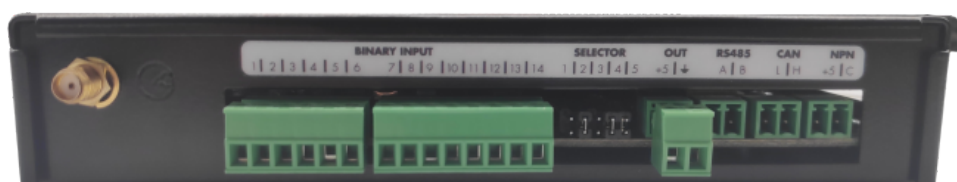
STEP 5: Connect the output current of the TCU to the Controller Board.



STEP 6: Connect the terminal blocks to the TCU.

[Controller generic connections](#)

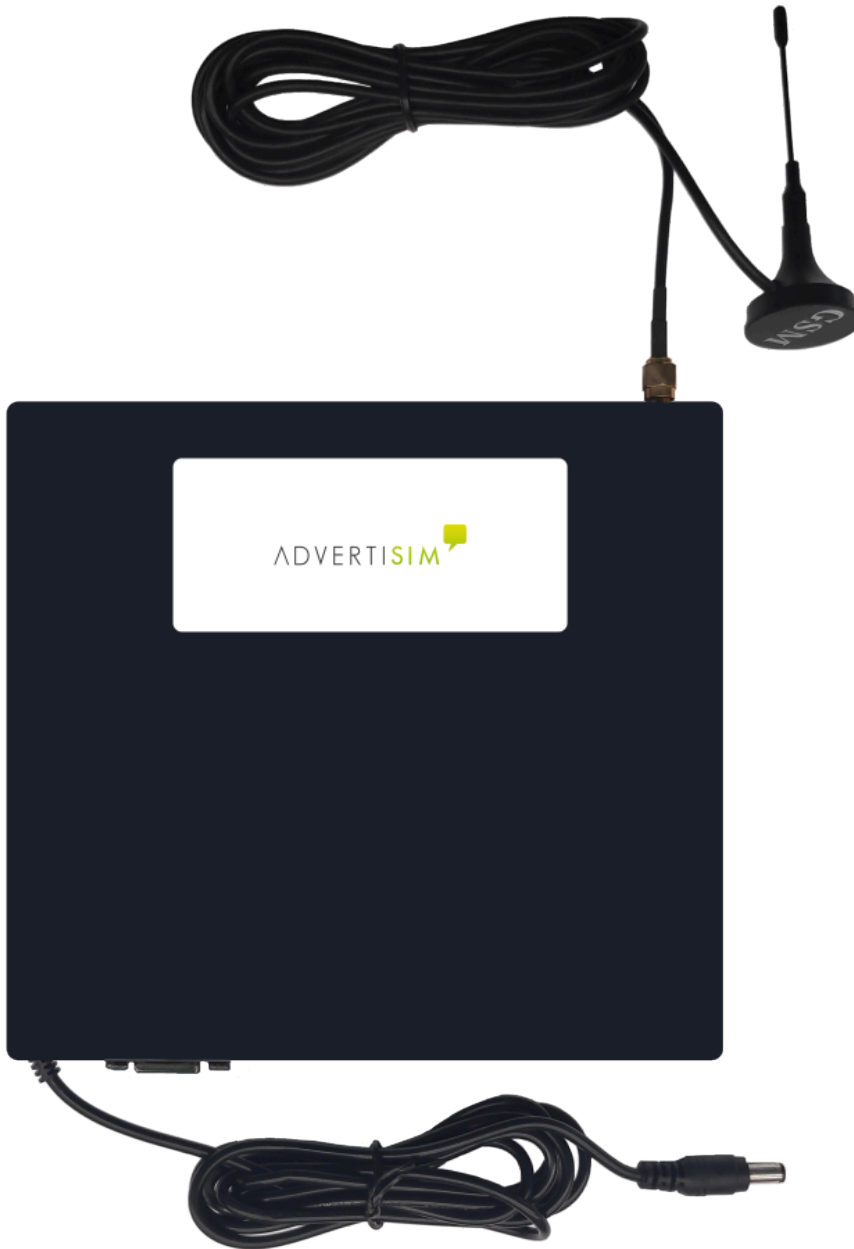
Front



STEP 7: Connect the USB WIFI Adapter to the TCU. Connect the 12VDC Power Adapter to the TCU.



Opcional STEP: If the product was purchased with an antenna, connect the Antenna to the TCU.

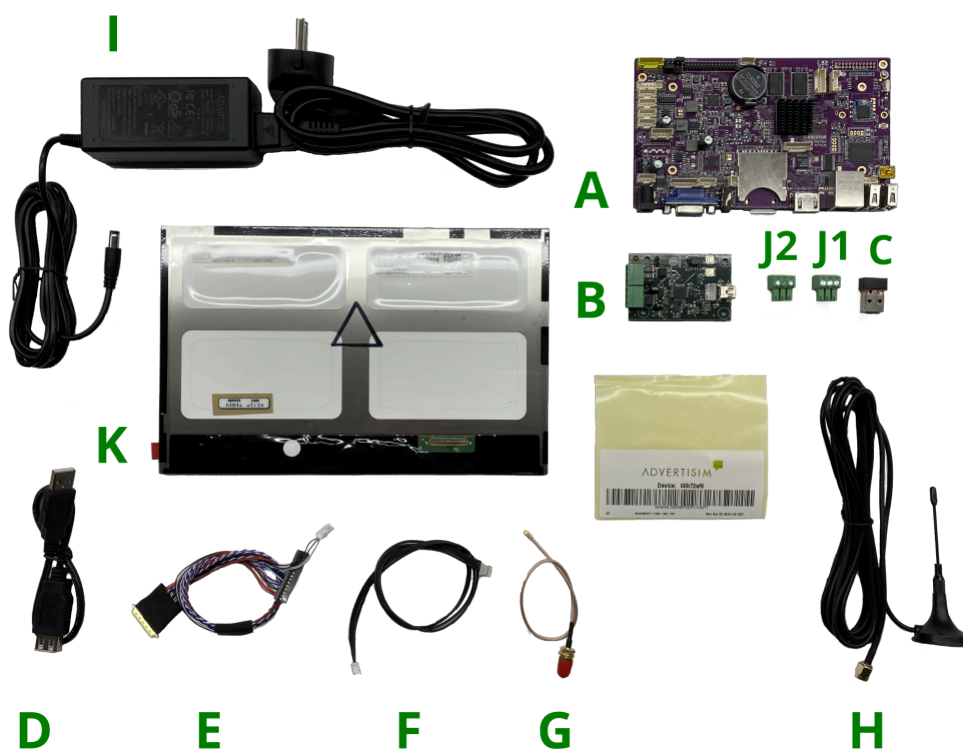


1.10. 1.10 ADV 10 CAN

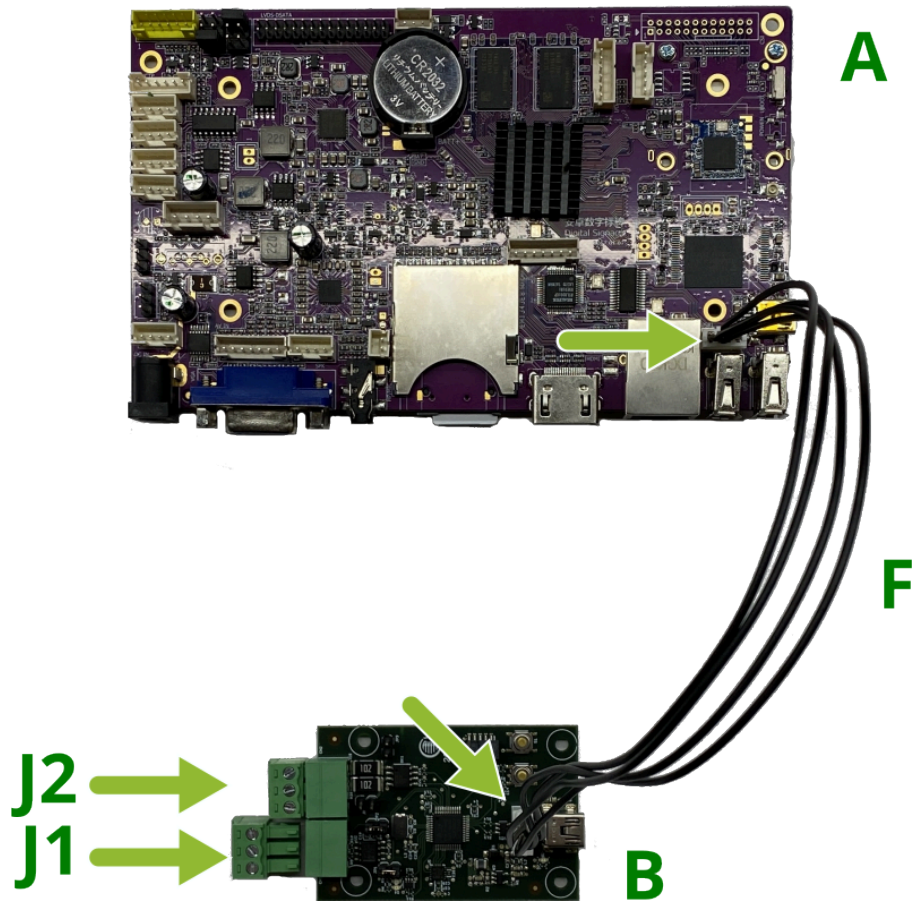
COMPONENTS

- A. Computer Board
- B. CAN Board
- C. USB WIFI Adapter
- D. USB Extender cable
- E. LVDS Cable
- F. 4 Wire Cable
- G. IPX Cable
- H. Antenna GSM (Optional)
- I. 12VDC Power Adapter
- J. 2x Terminal Block 3.81mm 3P
- K. 10.1" TFT Panel

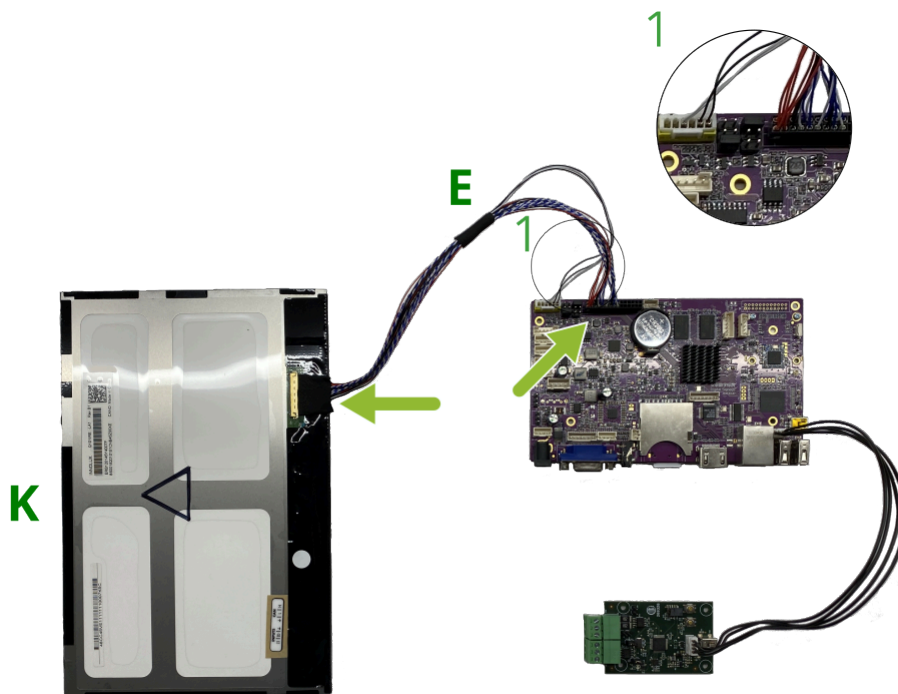
INSTALLATION



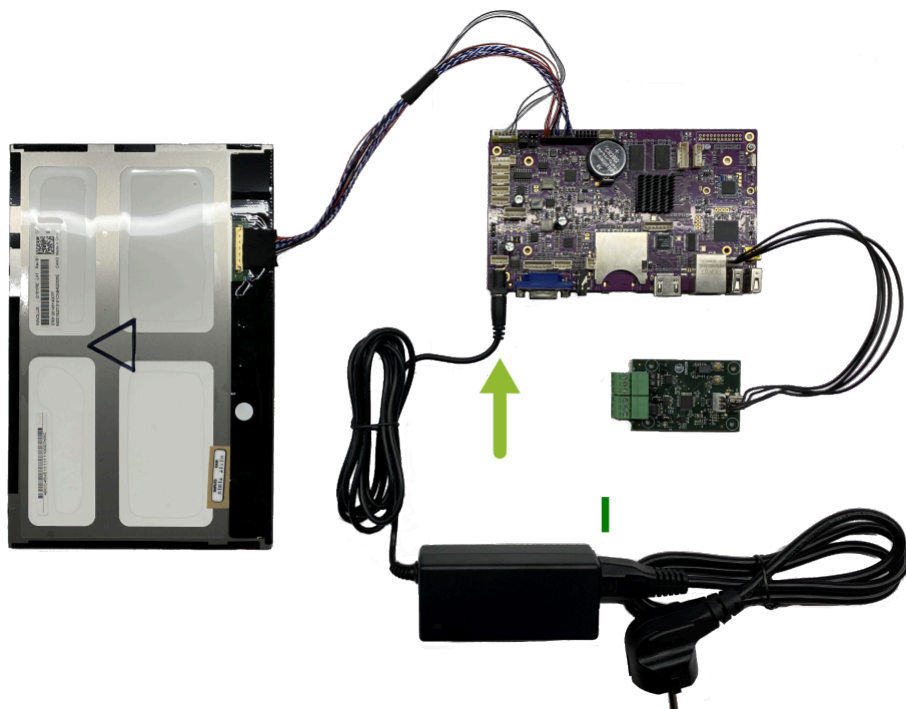
STEP 2: Connect the CAN Board to the Computer Board with the 4 Wire Cable. Connect the Terminal Block to the CAN Board, as shown in the picture.



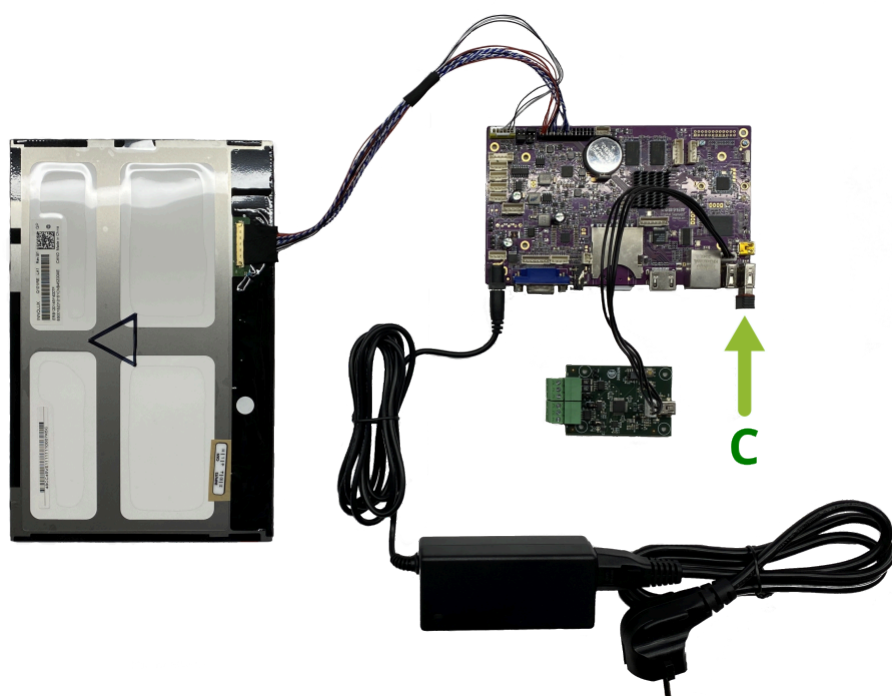
STEP 3: Connect the 10.1" TFT Panel to the Computer Board with the LVDS cable.



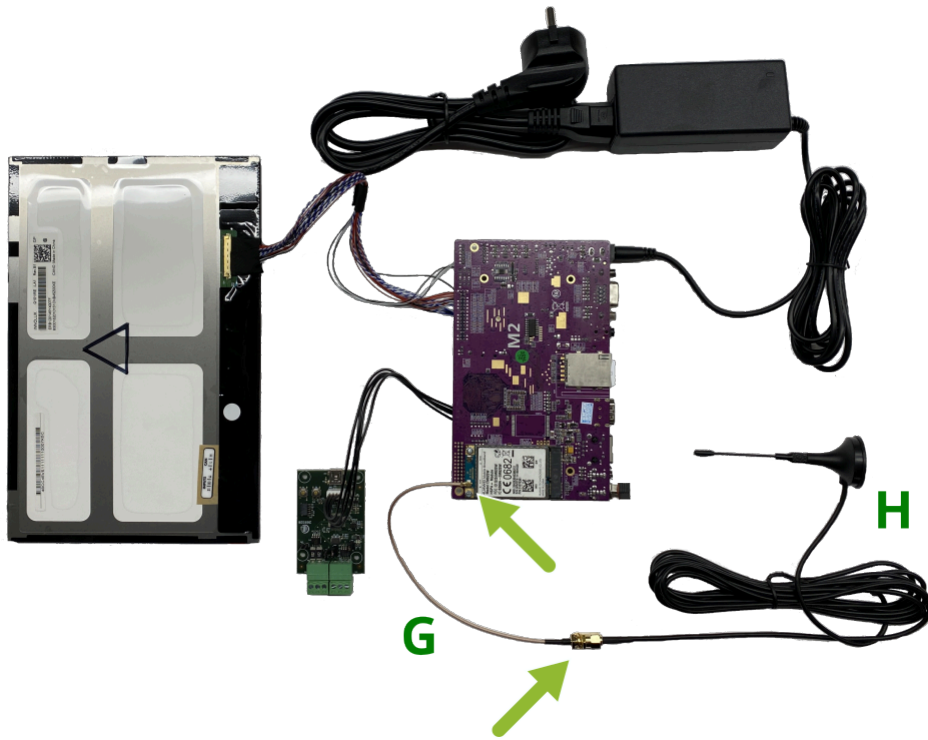
STEP 4: Connect the 12VDC Power Adapter to the Computer Board.



STEP 5: Connect the USB WIFI Adapter to the Computer Board (the USB Extensor can be used).



Optional STEP: If the product was purchased with an antenna, connect the Antenna to the Computer Board with the IPX Cable.

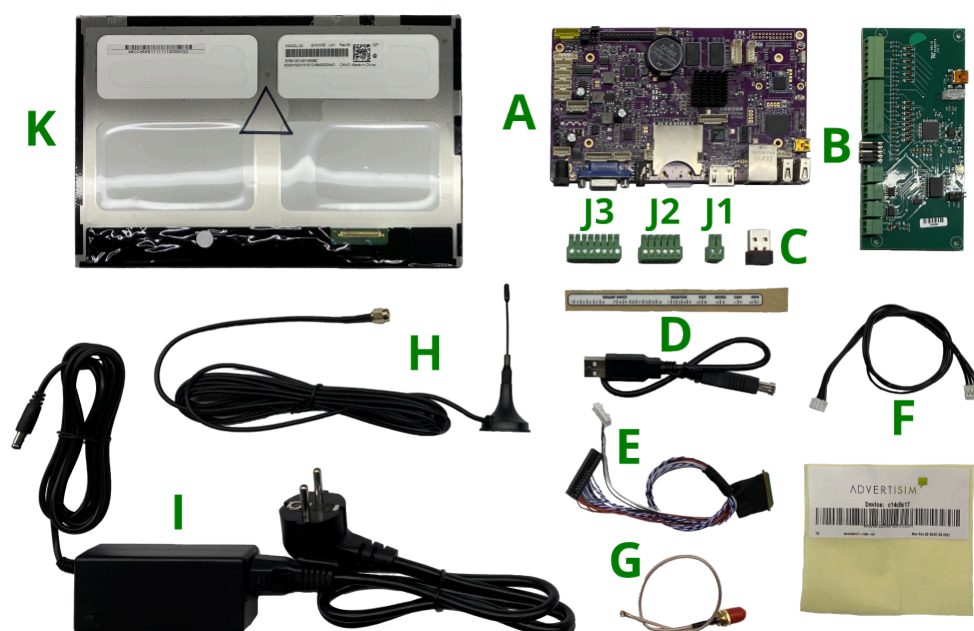


1.11. 1.11 ADV 10 BIN

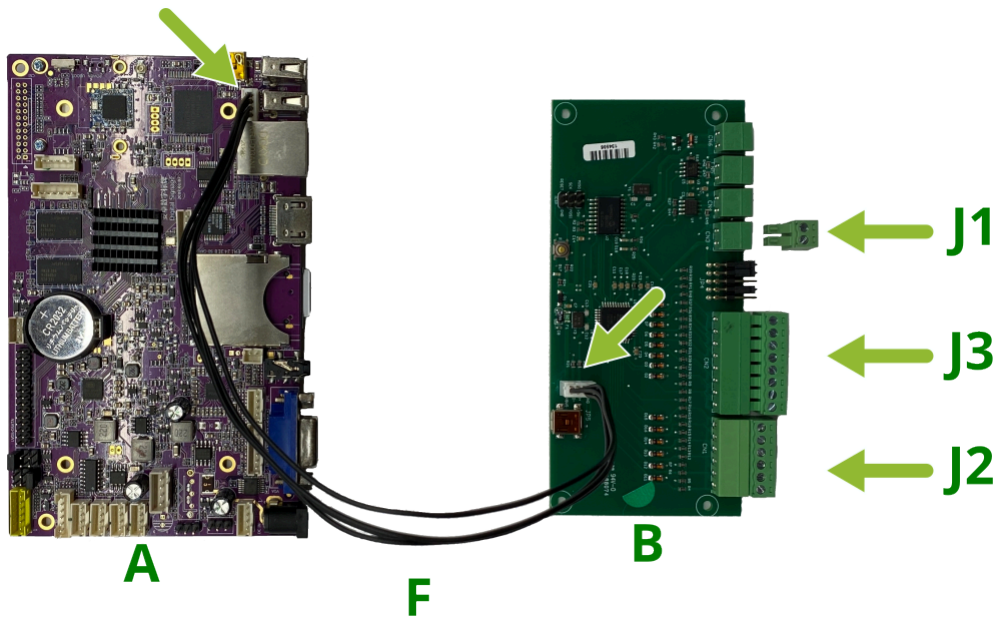
COMPONENTS

- A. Computer Board
- B. Binary Board
- C. USB WIFI Adapter
- D. USB Extender cable
- E. LVDS Cable
- F. 4 Wire Cable
- G. IPX Cable
- H. Antenna GSM (Optional)
- I. 12VDC Power Adapter
- J. 2x Terminal Block 3.81mm 2P, 6P and 8P
- K. 10.1" TFT Panel

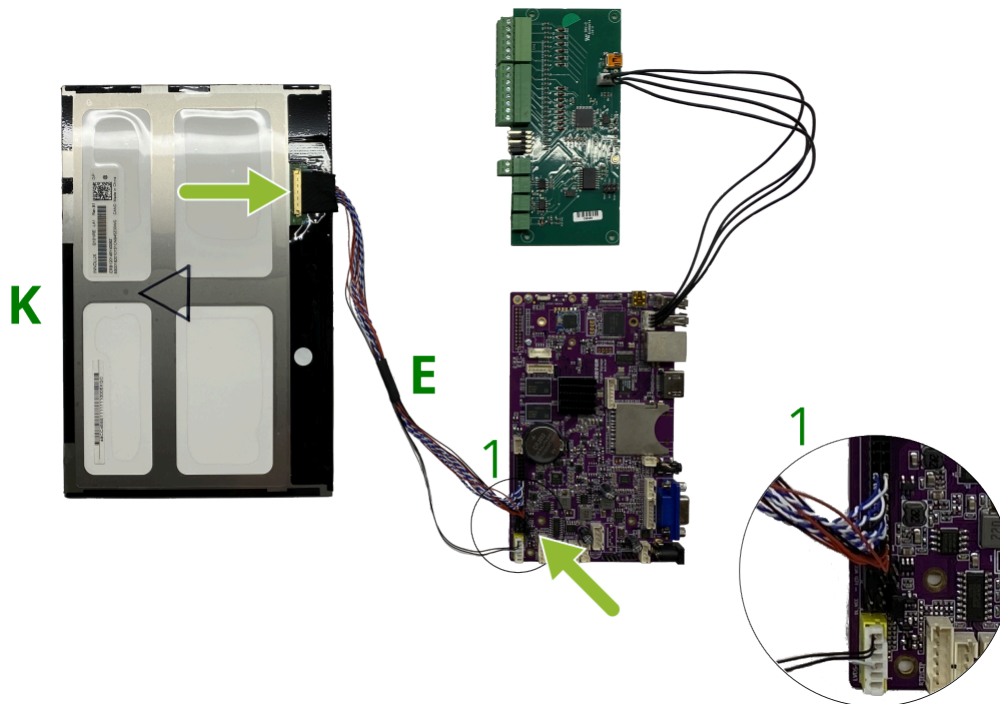
INSTALLATION



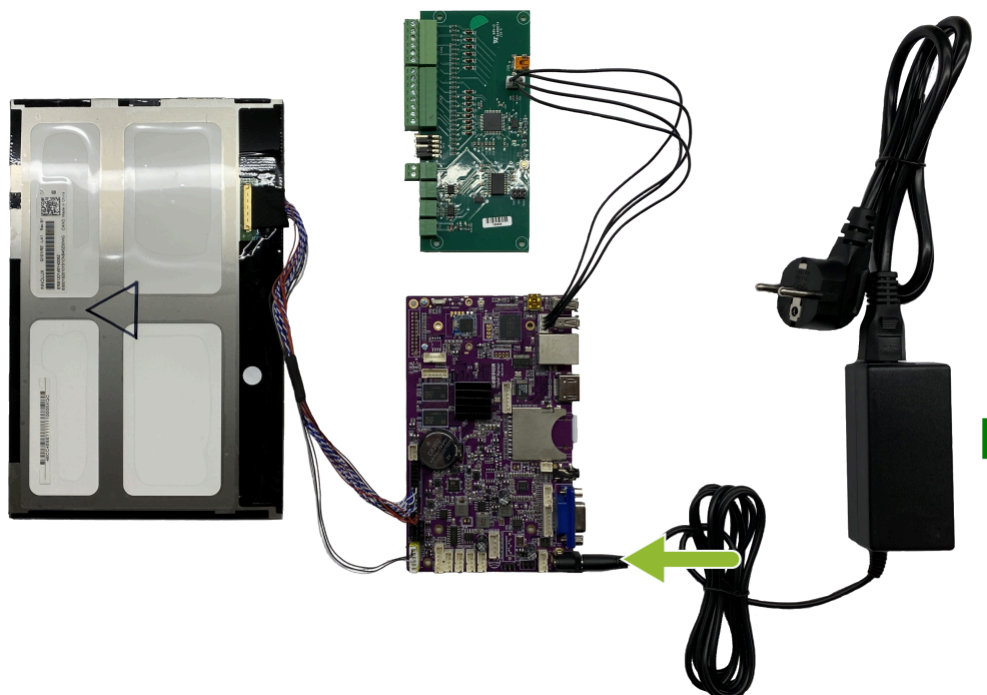
STEP 2: Connect the Binary Board to the Computer Board with the 4 Wire Cable. Connect the Terminal Block to the Binary Board, as shown in the picture.



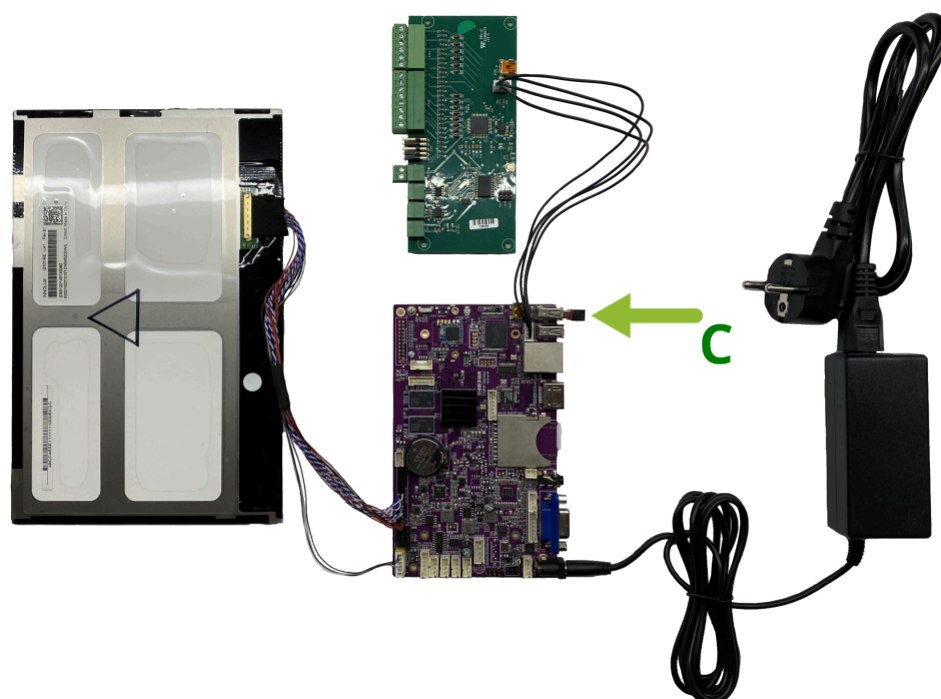
STEP 3: Connect the 10.1" TFT Panel to the Computer Board with the LVDS cable.



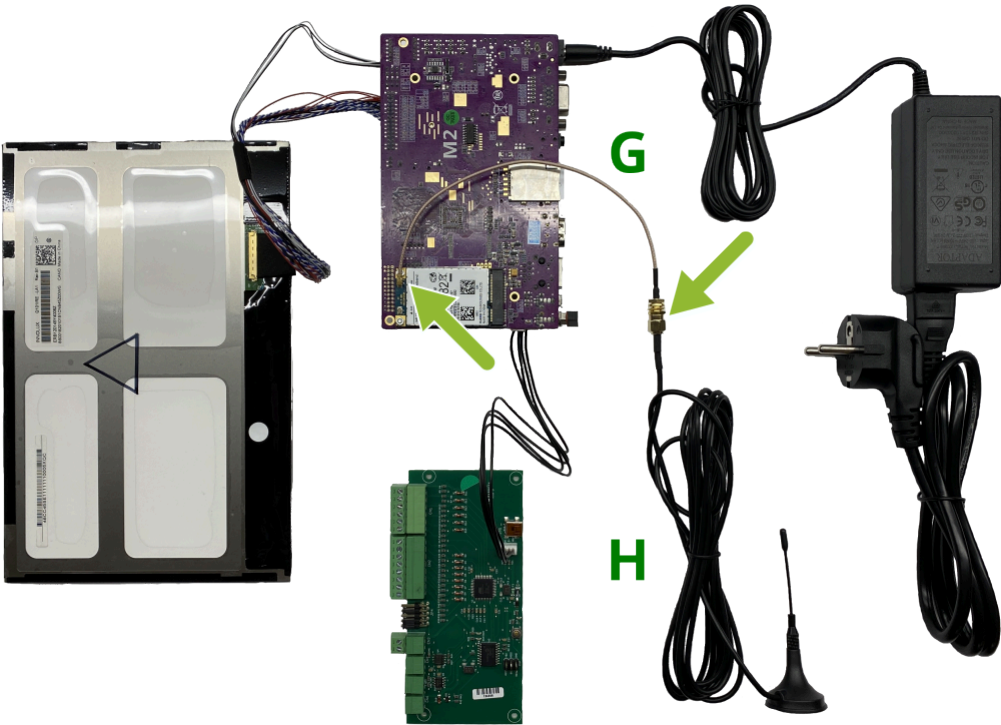
STEP 4: Connect the 12VDC Power Adapter to the Computer Board.



STEP 5: Connect the USB WIFI Adapter to the Computer Board (the USB Extensor can be used).



Optional STEP: If the product was purchased with an antenna, connect the Antenna to the Computer Board with the IPX Cable.

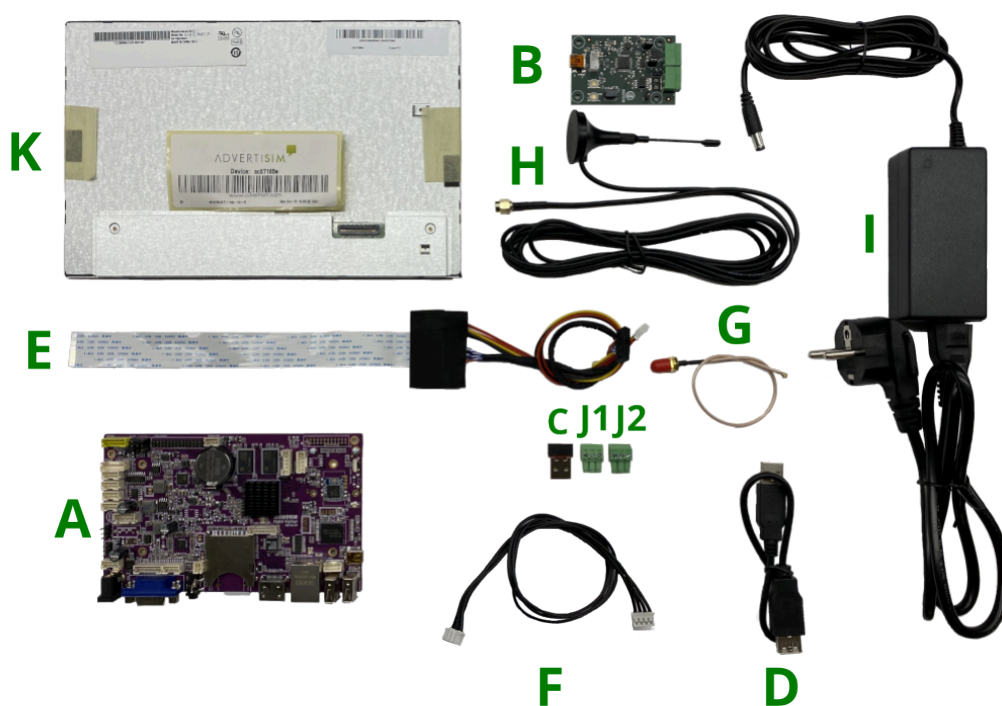


1.12. 1.12 ADV 10 HB CAN

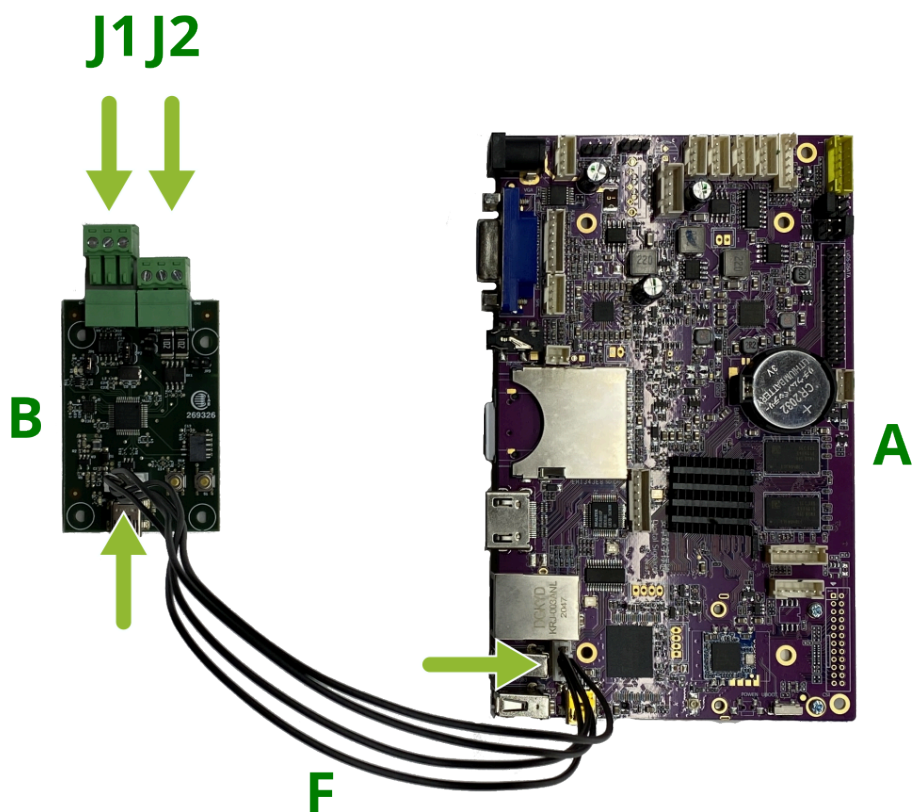
COMPONENTS

- A. Computer Board
- B. CAN Board
- C. USB WIFI Adapter
- D. USB Extender cable
- E. LVDS Cable
- F. 4 Wire Cable
- G. IPX Cable
- H. Antenna GSM (Optional)
- I. 12VDC Power Adapter
- J. 2x Terminal Block 3.81mm 3P
- K. 10.1" HB TFT Panel

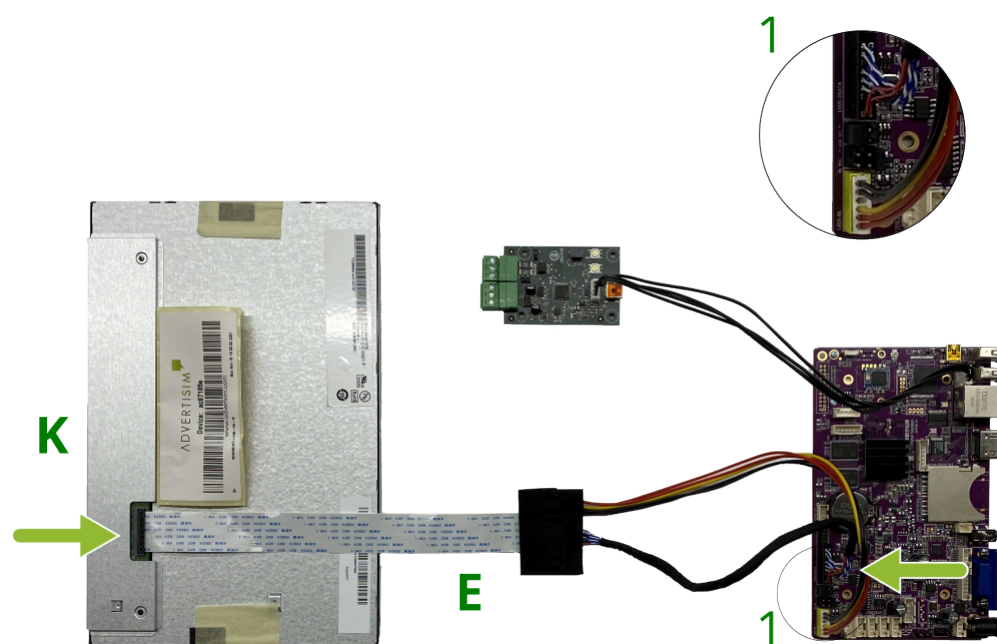
INSTALLATION



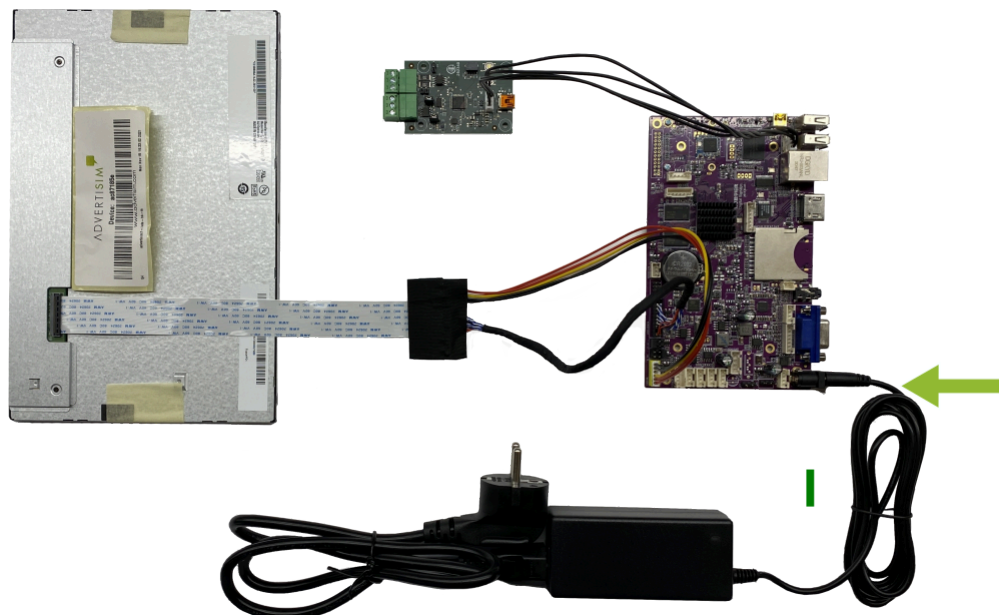
STEP 2: Connect the CAN Board to the Computer Board with the 4 Wire Cable. Connect the Terminal Block to the CAN Board, as shown in the picture.



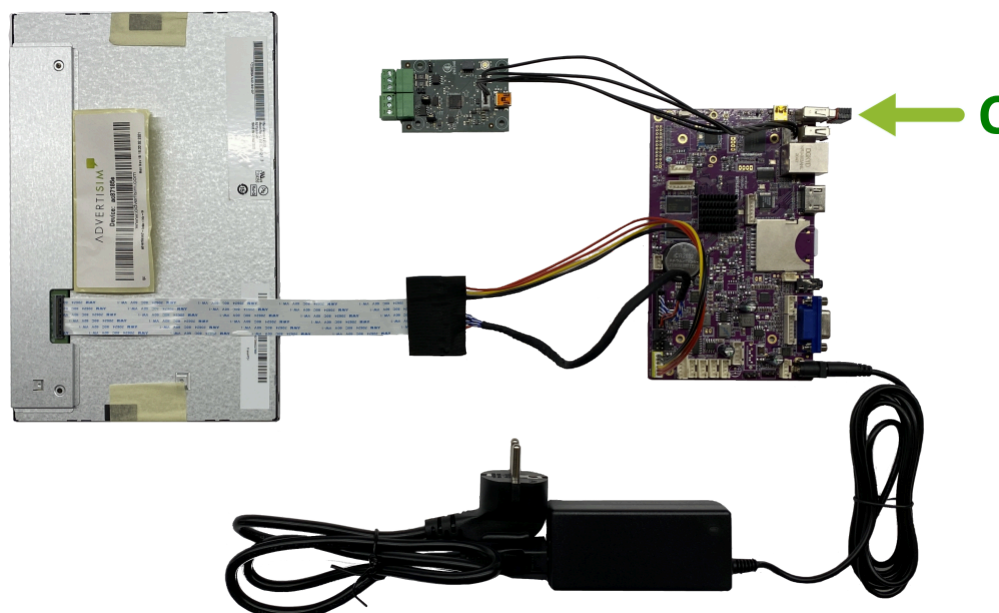
STEP 3: Connect the 10.1" HB TFT Panel to the Computer Board with the LVDS cable.



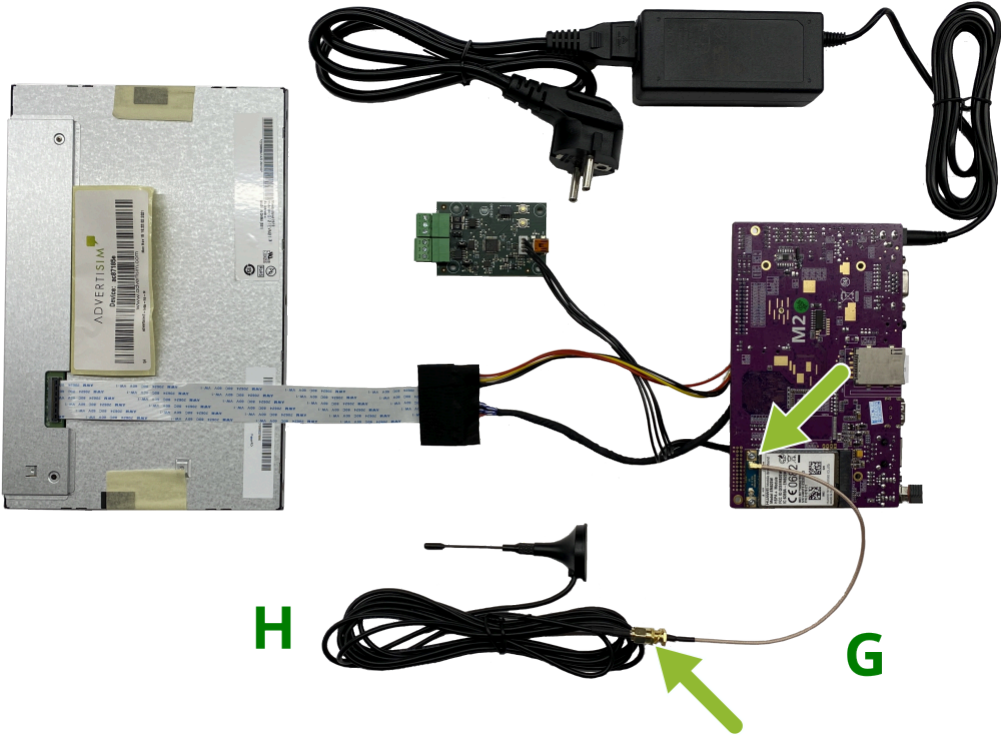
STEP 4: Connect the 12VDC Power Adapter to the Computer Board.



STEP 5: Connect the USB WIFI Adapter to the Computer Board (the USB Extensor can be used).



Optional STEP: If the product was purchased with an antenna, connect the Antenna to the Computer Board with the IPX Cable.

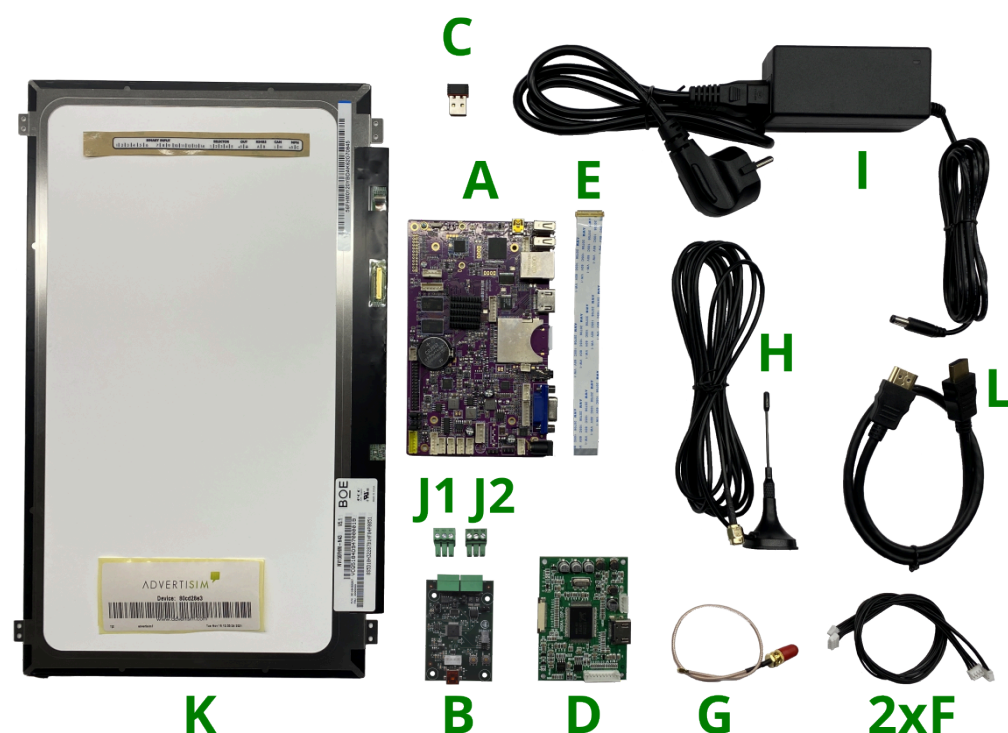


1.13. 1.13 ADV 15 CAN

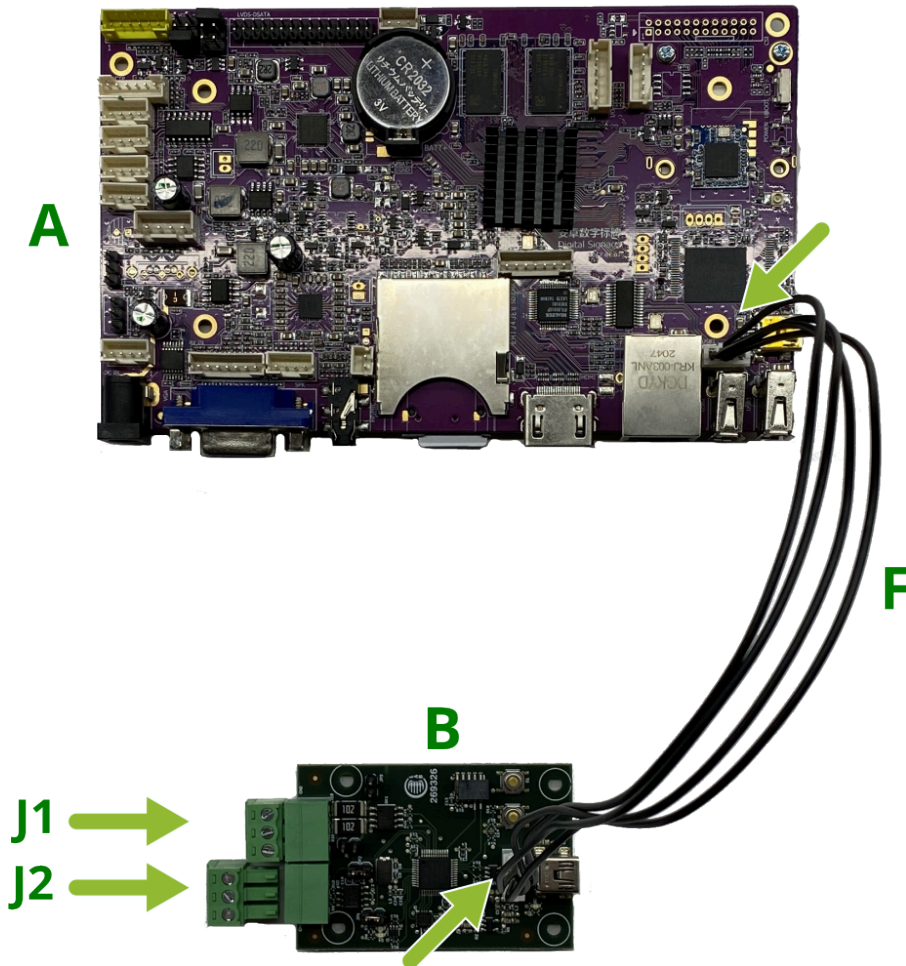
COMPONENTS

- A. Computer Board
- B. CAN Board
- C. USB WIFI Adapter
- D. HDMI Controller Board
- E. LVDS Cable
- F. 2× 4 Wire Cable
- G. IPX Cable
- H. Antenna GSM (Optional)
- I. 12VDC Power Adapter
- J. Terminal Block 3.81mm 2P, 6P and 8P
- K. 15.6" TFT Panel
- L. HDMI Cable

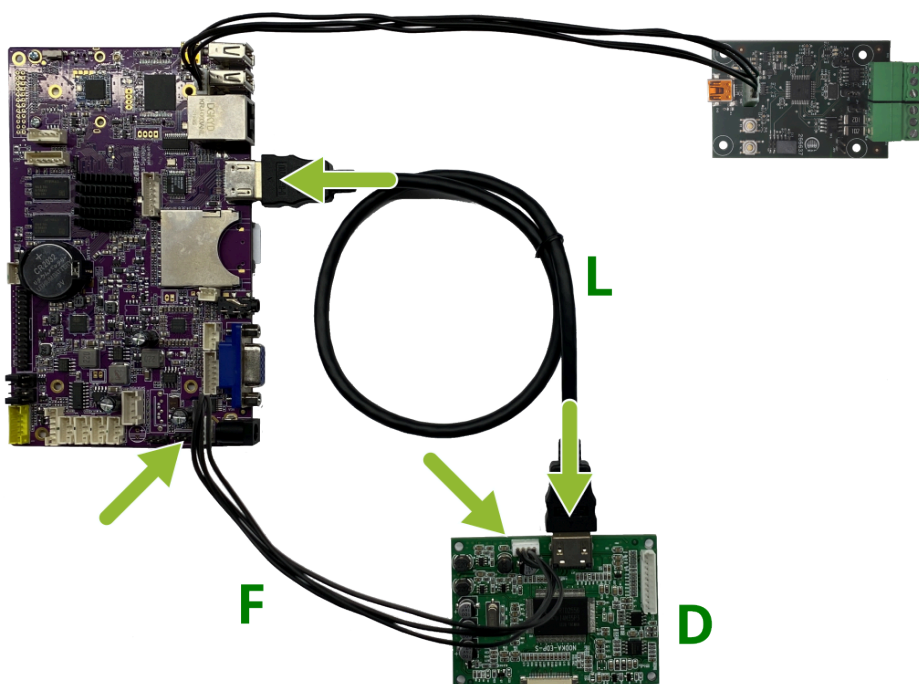
INSTALLATION



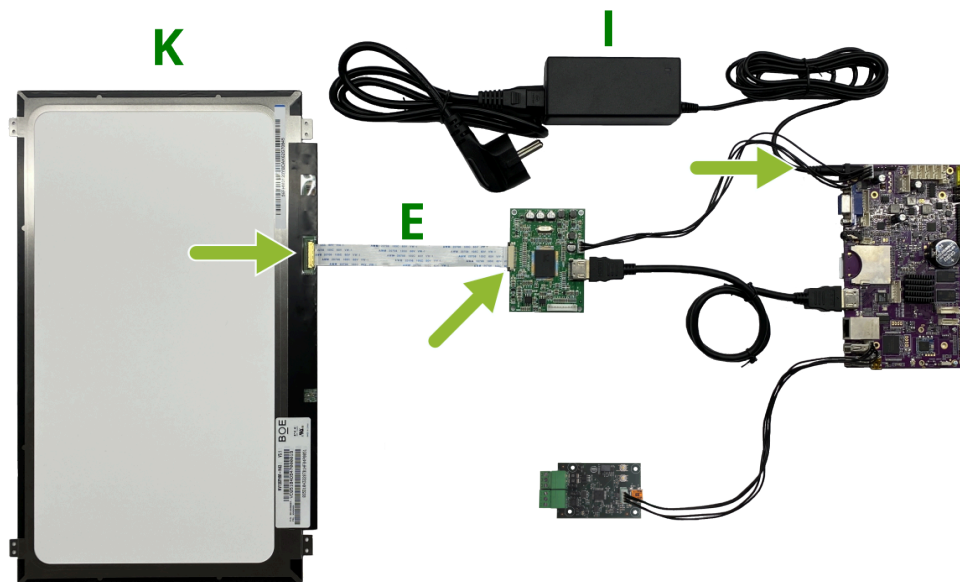
STEP 2: Connect the Can Board to the Computer Board with a 4 Wire Cable. Connect the Terminal Block to the Can Board, as shown in the picture.



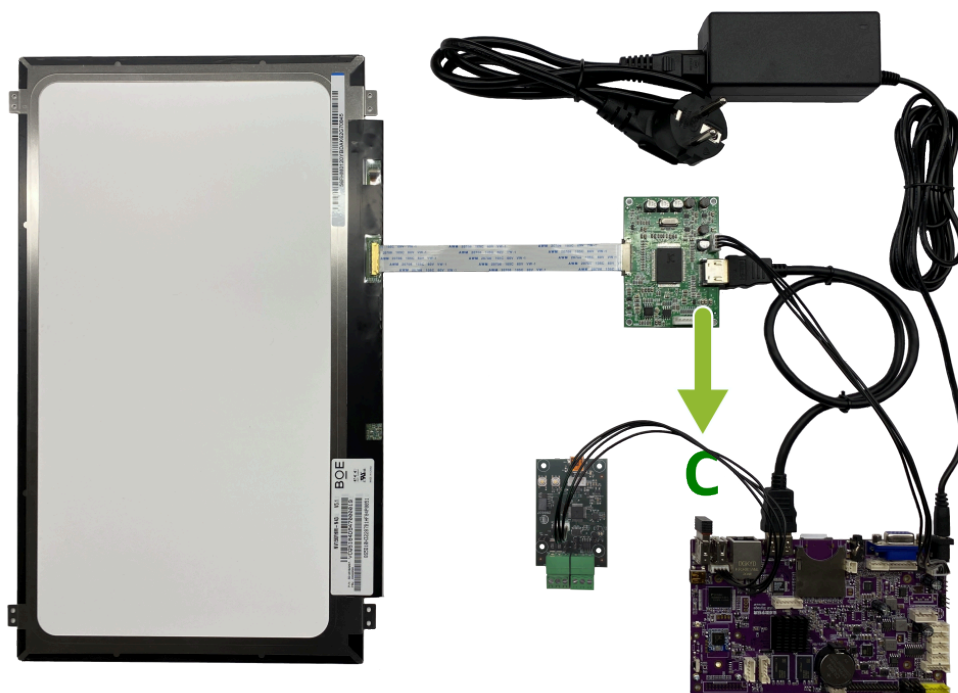
STEP 3: Connect the HDMI Controller Board to the Computer Board with a 4 Wire cable. Connect one end of the HDMI Cable to the Computer Board and the other end to the HDMI Controller Board.



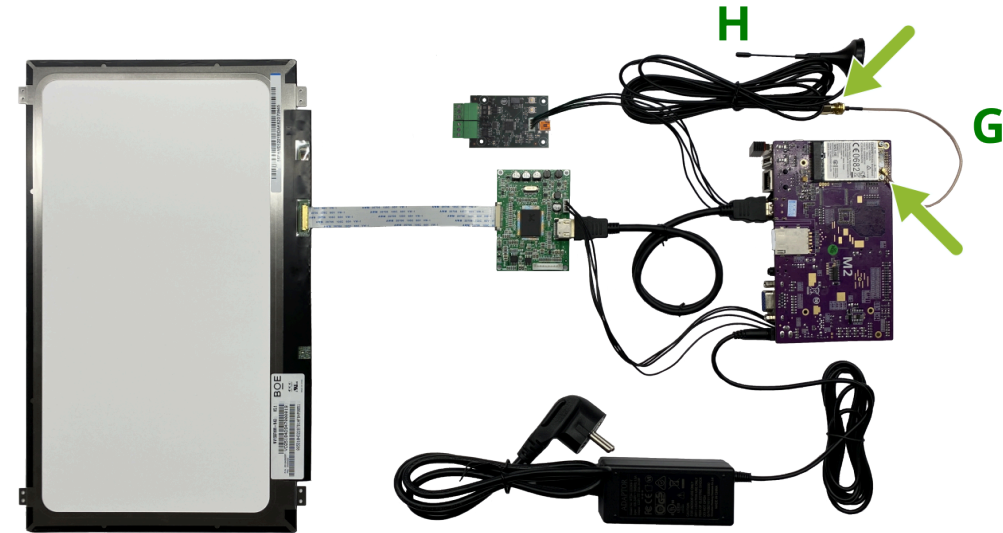
STEP 4: Connect the 15,6" TFT Panel to the HDMI Controller Board with the LVDS cable. Connect the 12VDC Power Adapter to the Computer Board.



STEP 5: Connect the USB WIFI Adapter to the Computer Board (the USB Extensor can be used).



Optional STEP: If the product was purchased with an antenna, connect the Antenna to the Computer Board with the IPX Cable.

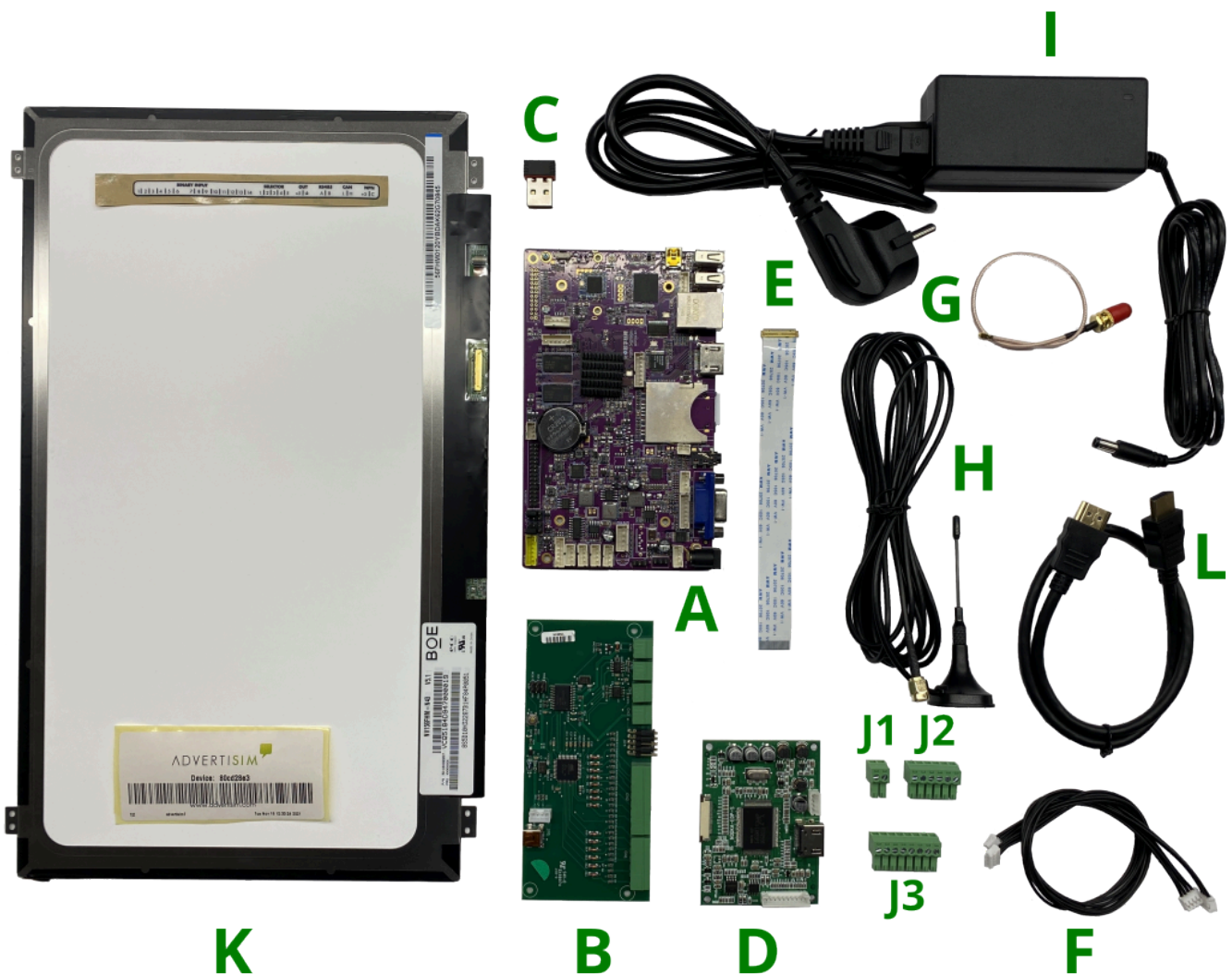


1.14. 1.14 ADV 15 BIN

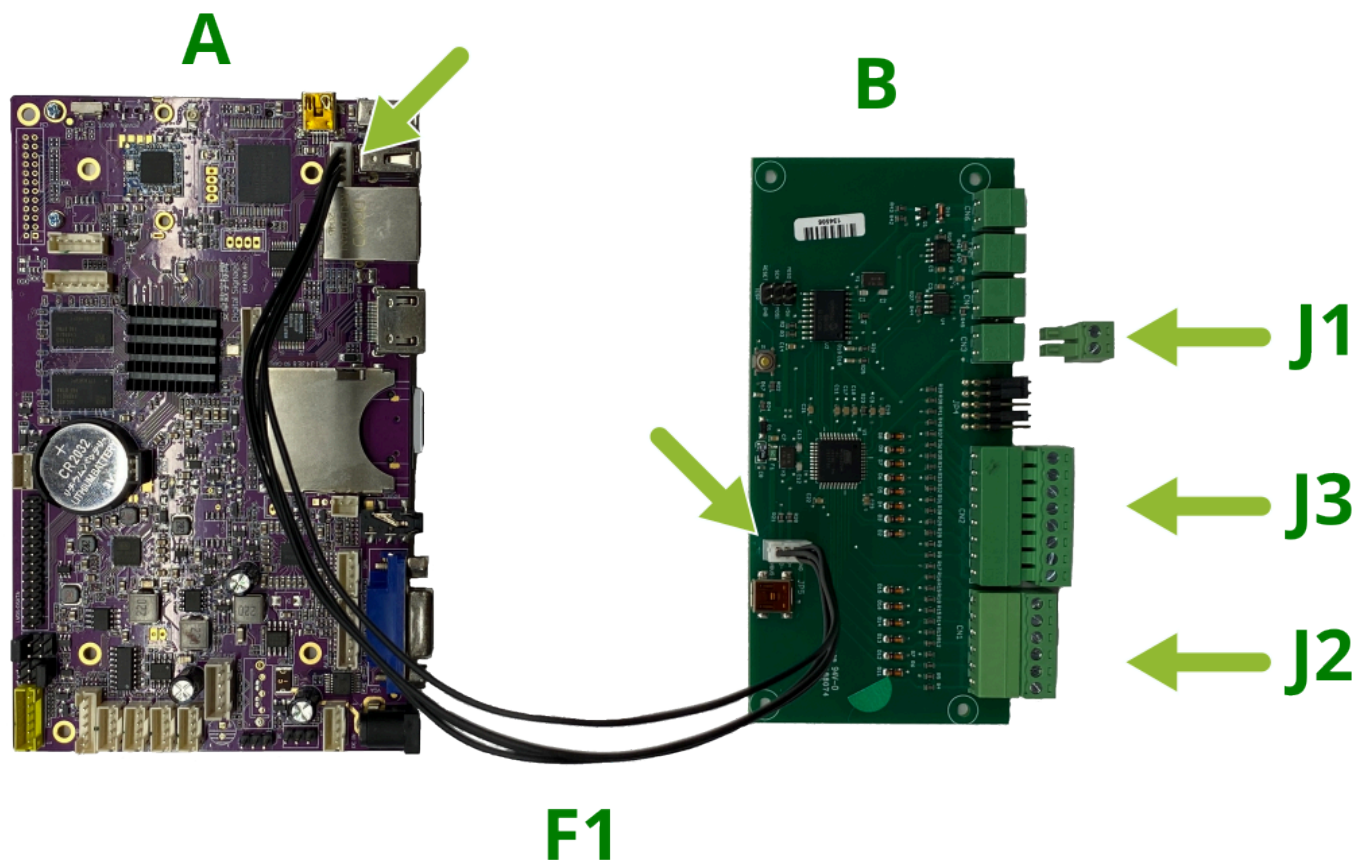
COMPONENTS

- A. Computer Board
- B. Binary Board
- C. USB WIFI Adapter
- D. HDMI Controller Board
- E. LVDS Cable
- F. 2× 4 Wire Cable
- G. IPX Cable
- H. Antenna GSM (Optional)
- I. 12VDC Power Adapter
- J. Terminal Block 3.81mm 2P, 6P and 8P
- K. 15.6" TFT Panel
- L. HDMI Cable

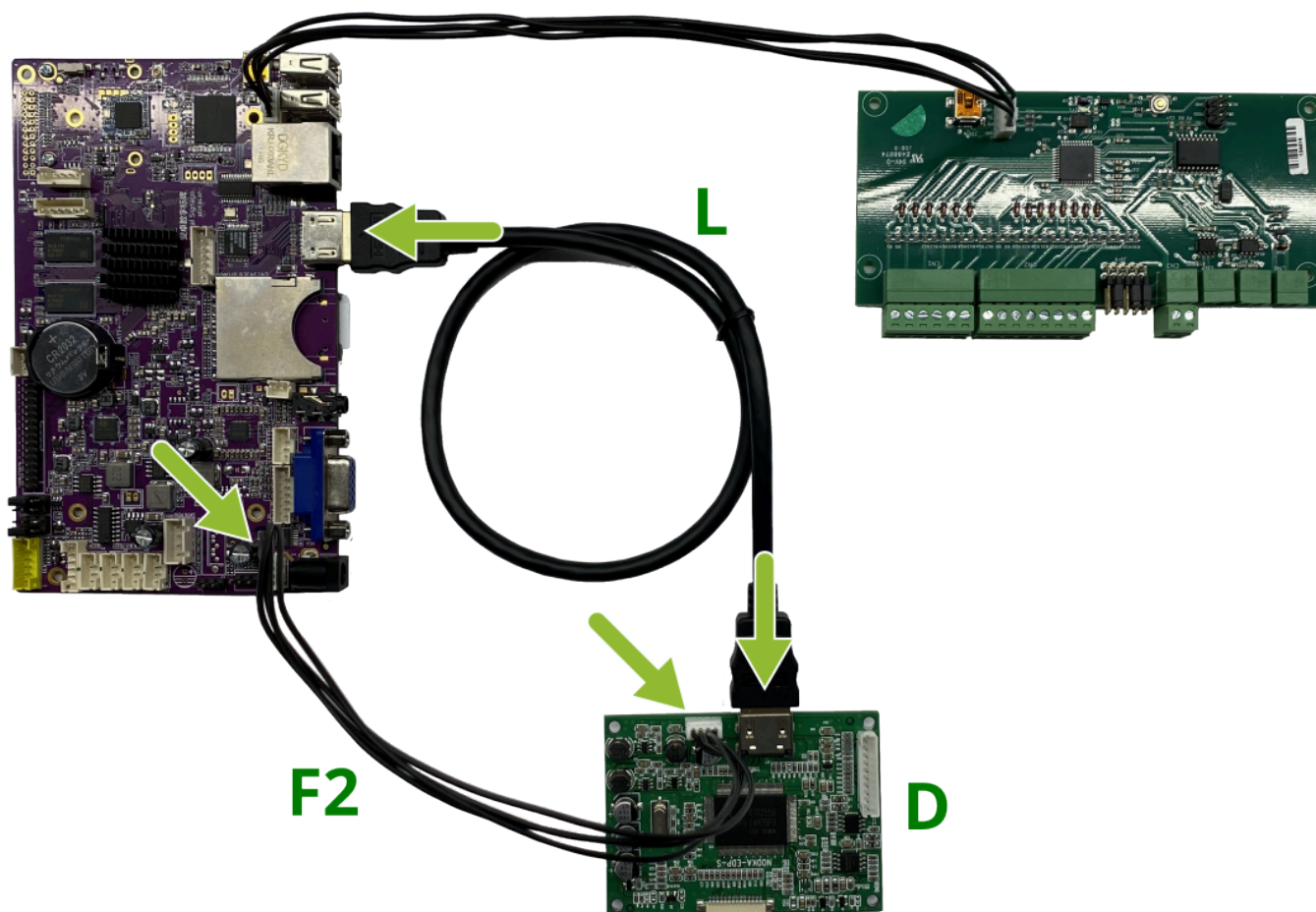
INSTALLATION



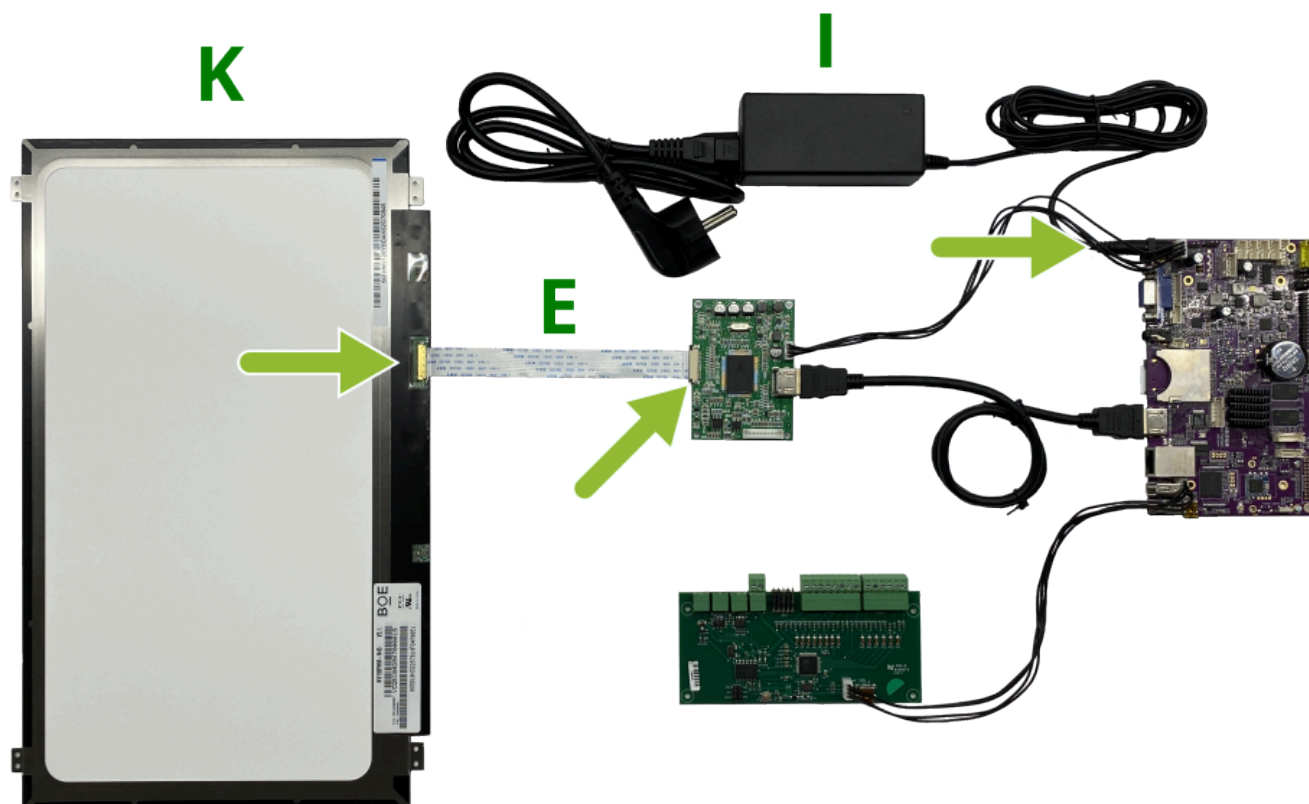
STEP 2: Connect the Binary Board to the Computer Board with a 4 Wire Cable. Connect the Terminal Block to the Binary Board, as shown in the picture.



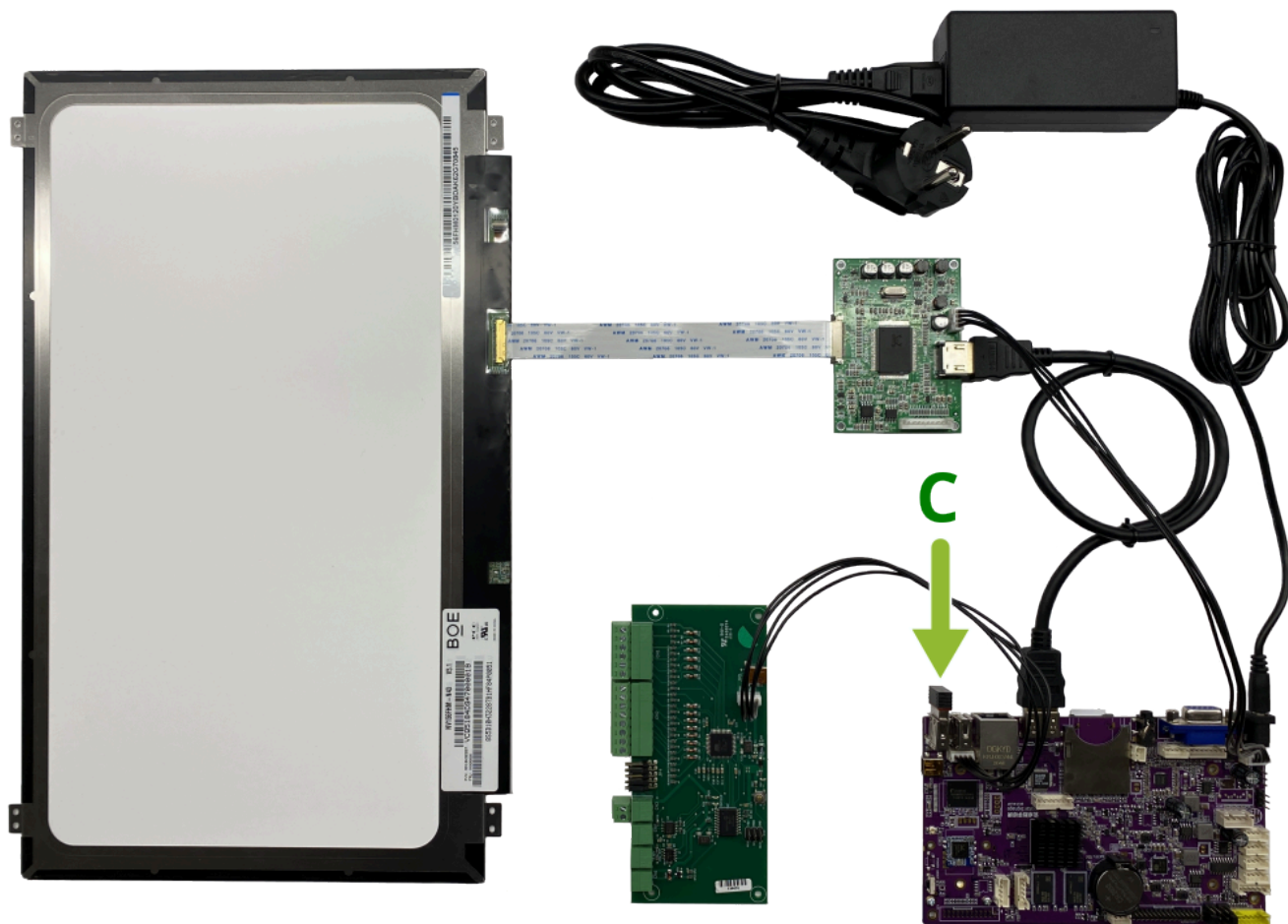
STEP 3: Connect the HDMI Controller Board to the Computer Board with a 4 Wire cable. Connect one end of the HDMI Cable to the Computer Board and the other end to the HDMI Controller Board.



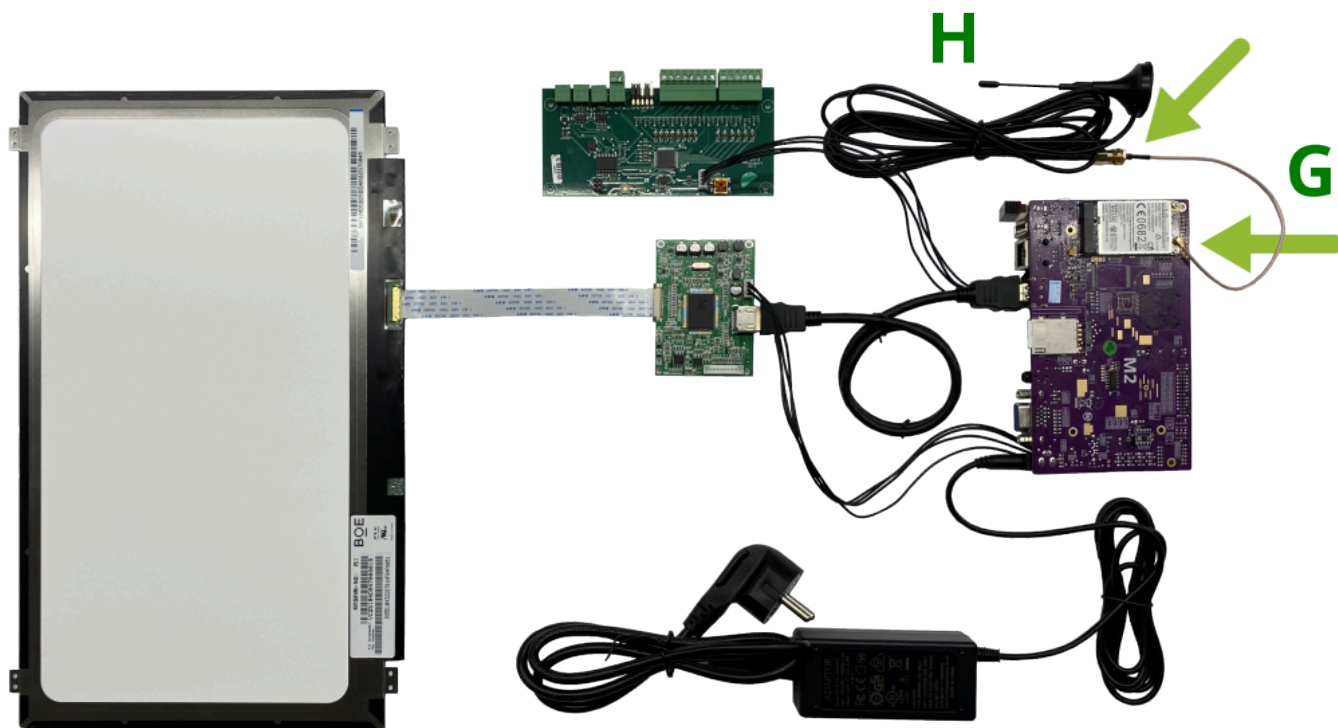
STEP 4: Connect the 15,6" TFT Panel to the HDMI Controller Board with the LVDS cable. Connect the 12VDC Power Adapter to the Computer Board.



STEP 5: Connect the USB WIFI Adapter to the Computer Board (the USB Extensor can be used).



Optional STEP: If the product was purchased with an antenna, connect the Antenna to the Computer Board with the IPX Cable.



2. 2. Controller

[2.1. Compatible controller protocols](#)

[2.2. Controller connections](#)

[2.3. Specific connections](#)

2.1. 2.1. Compatible controller protocols

Controller	Model	Compatibility
Genérico	Autónomo	Binary. Pisos*
	Binary	Binario. Full protocol **
	Gray	Binary. Full protocol **
	Out of service (OOS)	Binary. Out of service signal. Requires USBCAN.
	Remote alarm pictograms	Binary. “Speak” and “listen” signals in binary and gray. Requires ACQCARD.
	7 segments	Binary to 7 segments display.
CANOpenLift (CIA)		CAN. Requires USBCAN.
Carlos Silva	Hidra	Opto. Full protocol
	Hidra Crono	CAN. Full protocol
	BCD10	Binary. Full protocol **.
EDEL	K2	CAN. Full protocol. Requires USBCAN..
Elca	Kenja	485. Full protocol.
GEXXI	Propia	Pulses. Position. Requires ACQCARD.
HATS	Txapela V2	485. Full protocol
LiftControl	Modelo 485	485
	Modelo CAN	CAN
Megom	EM2000	Pulses. Position and direction. Requires ACQCARD.
MP	Via Serie 8.5	CAN. Full protocol.
NEW Lift		Binary. Full protocol
Orona	Arca I	CAN. Position, direction and overload.
	Arca II	CAN. Position, direction and overload.
OTIS	2000	RSL. Full protocol with “speak” and “listen” signals.
	GEN2	RSL. Full protocol with “speak” and “listen” signals.
PDAHL	S3	CAN

	S4	CAN
	S4 with semiautomatic doors	CAN
Pobo	Diana	485. Full protocol.
Sistel	Millenium	CAN. Position, direction and overload
Rotelec	ManCan	CAN. Full protocol.
Thyssenkrupp Iberia	CMC 1	Binary. Position, direction and overload
	CMC 2	Binary. Position, direction and overload
	CMC 3	Binary. Position, direction and overload
	Serie F	Binary. Position, direction and overload

*Only position with a single detector. For position, direction and auditive signals, two detectors are required, with two magnets at each floor.

**Individual connections are required for each signal. A full binary connection brings position, direction, overload, locked doors, opening doors, closing doors, maintenance and out of service.

2.2. 2.2. Controller generic connections

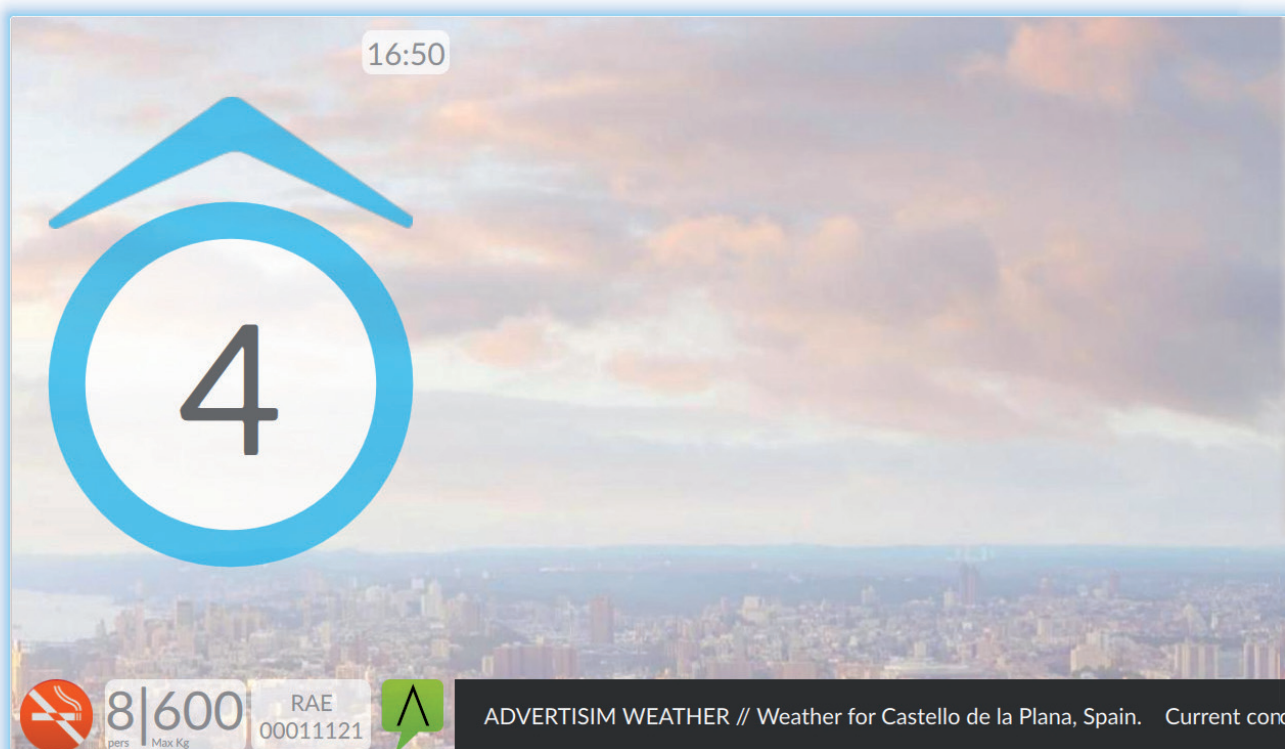
CAN type controllers

Connect the signal wires High (H), Low (L) and ground (\downarrow) of the control panel to the respective CAN inputs of the Advertisim.

INPUTS

General purpose digital inputs.

In order for the connection to the control panel is reflected in the device and the floors are displayed correctly indicate in **Advertisim Manager** the manufacturer of the controller and the type of connection. More information in the **Advertisim Manager User Manual**



BINARY CONTROLLER CONNECTION

BINARY INPUT														SELECTOR					OUT		RS485		CAN		NPN	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	5	+5	\downarrow	A	B	L	H	+5	C


- **Connector 1:** Floor level indicator (Binary 1)
- **Connector 2:** Floor level indicator (Binary 2)
- **Connector 3:** Floor level indicator (Binary 4)
- **Connector 4:** Floor level indicator (Binary 8)
- **Connector 5:** Floor level indicator (Binary 16)
- **Connector 6:** Floor level indicator (Binary 32)

- **Connector 7:** Floor level arrow indicator up
- **Connector 8:** Floor level arrow indicator down
- **Connector 9:** Overweight
- **Connector 10:** Doors blocked
- **Connector 11:** Opening doors
- **Connector 12:** Closing doors
- **Connector 13:** Inspection
- **Connector 14:** Out of service

SELECTOR

- **Connector 1:** Pull-up binary inputs
- **Connector 2:** Pull-down binary inputs
- **Connector 3:** Resistor terminating bus RS485
- **Connector 4 y 5:** Resistor terminating bus CAN

OUT

- **+5:** 5v output to power external devices.
-  : Connect to controller mass or negative.

RS485 CONTROLLER CONNECTION

- Match **A and B-type connectors** between the controller and the TCU.

MANIOBRAS DE TIPO CAN

- Match Low (L) and High (H) connectors between the controller and the TCU.

NPN

- **+5:** +5V output for parallel diode relay (included).
- **C:** Collector NPN transistor

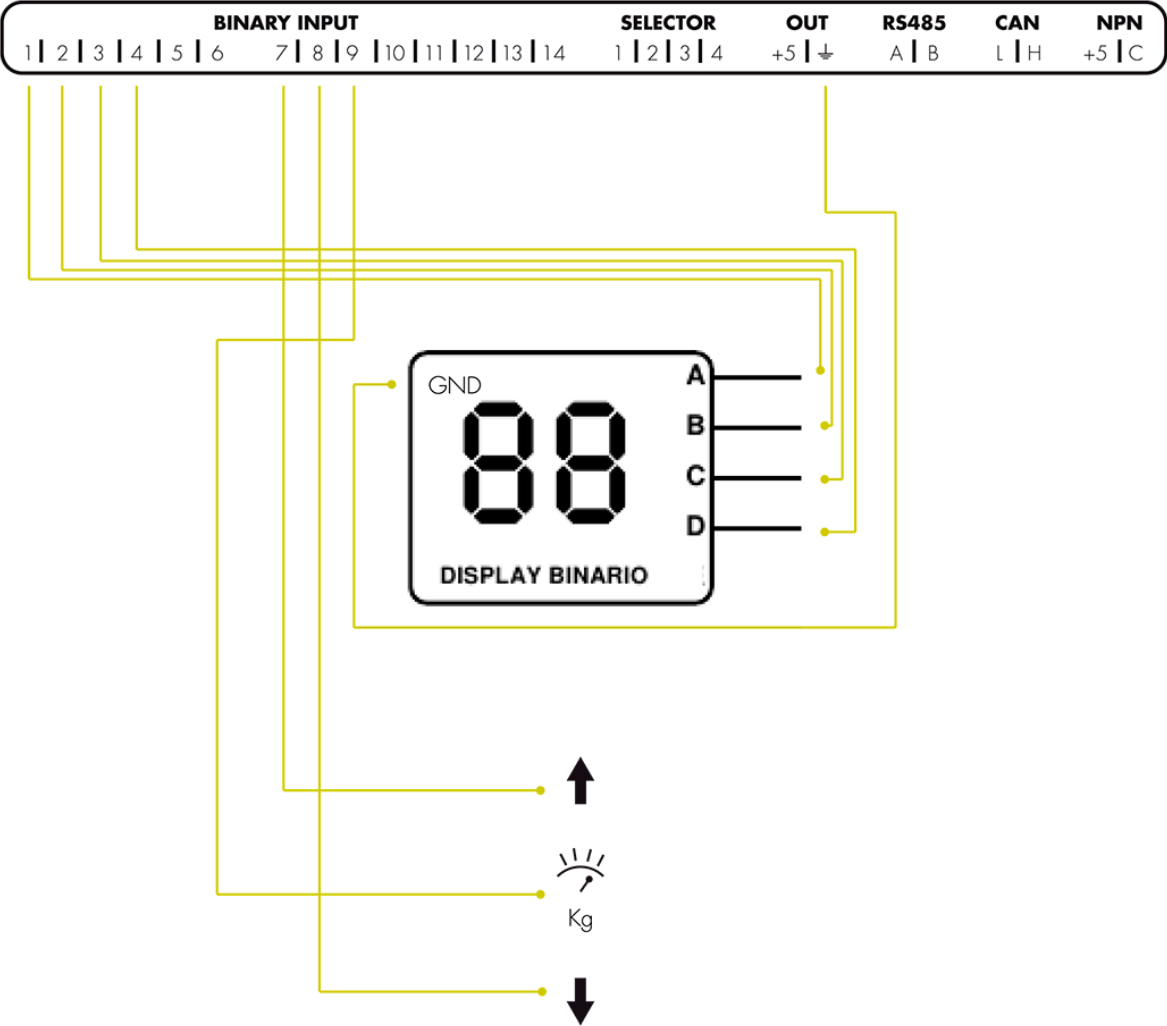
To display floor levels and directions correctly on your Advertisim screen you should fill out all required information in the **Advertisim Manager** device form (controller manufacturer and model). For more information see **Advertisim Manager Manual**.

After you connect the **12V power supply adaptor** to a power outlet the screen will turn on. The process may take a few seconds. When your Advertisim screen turns on, you will see a similar image to the one shown on the right. If connectivity is available log on **Advertisim Manager** and start customizing your display.

2.2.1. Generic BINARY / GRAY



CONEXIÓN CON ADVERTISIM



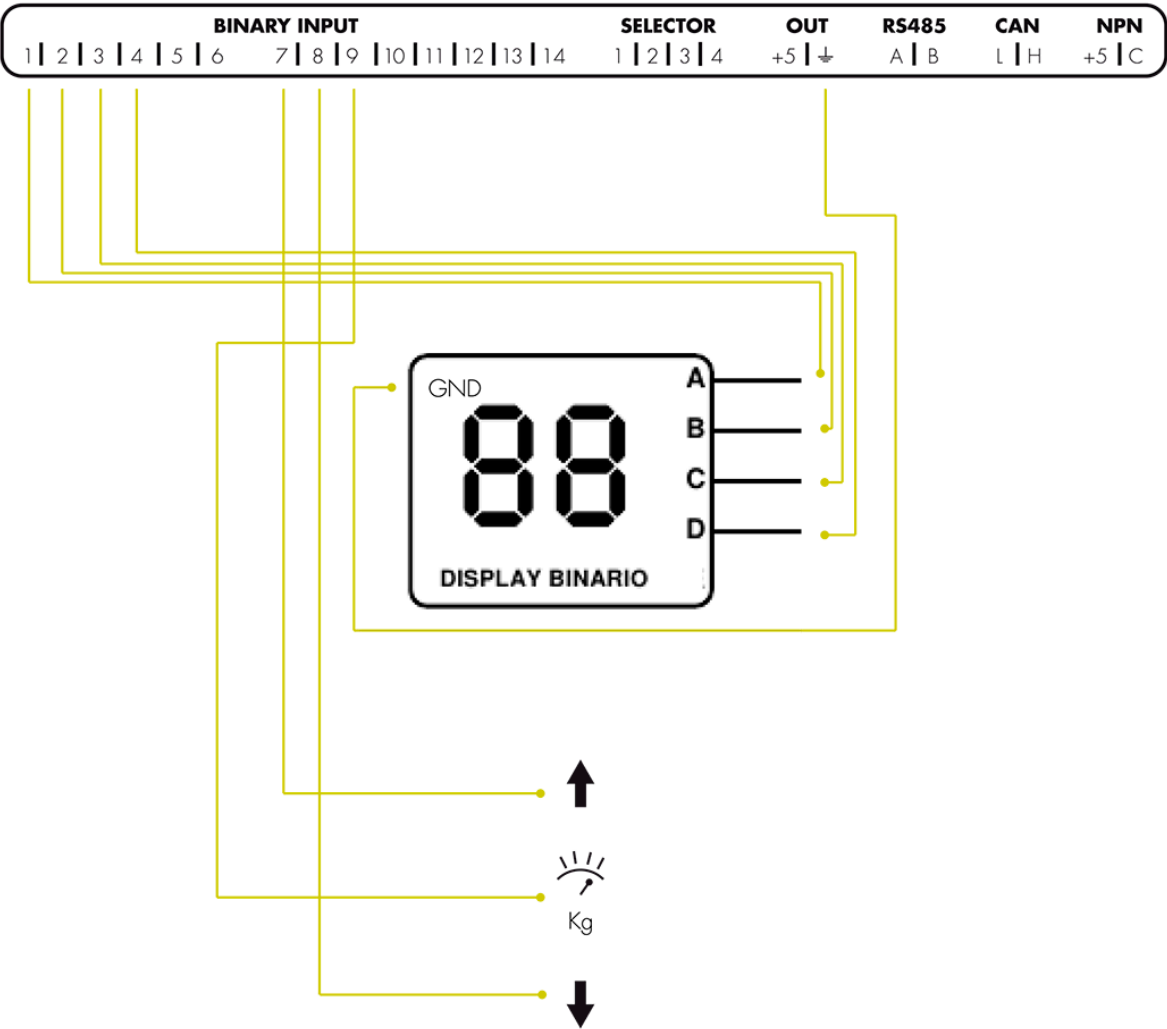
- **Connector 1:** Floor level indicator (Binary 1)

- **Connector 2:** Floor level indicator (Binary 2)
- **Connector 3:** Floor level indicator (Binary 4)
- **Connector 4:** Floor level indicator (Binary 8)
- **Connector 5:** Floor level indicator (Binary 16)
- **Connector 6:** Floor level indicator (Binary 32)
- **Connector 7:** Floor level arrow indicator up
- **Connector 8:** Floor level arrow indicator down
- **Connector 9:** Overweight
- **Connector 10:** Doors blocked
- **Connector 11:** Opening doors
- **Connector 12:** Closing doors
- **Connector 13:** Inspection
- **Connector 14:** Out of service

2.2.2. Generic BINARY / GRAY with pictograms



CONEXIÓN CON ADVERTISIM



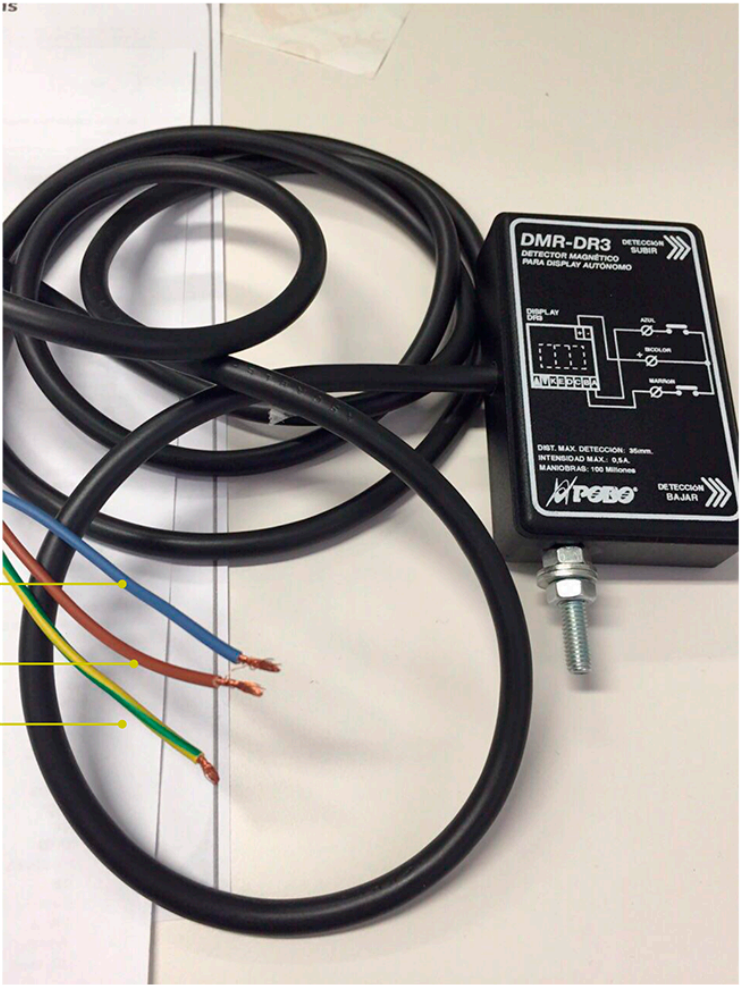
- **Connector 1:** Floor level indicator (Binary 1)
- **Connector 2:** Floor level indicator (Binary 2)
- **Connector 3:** Floor level indicator (Binary 4)
- **Connector 4:** Floor level indicator (Binary 8)
- **Connector 5:** Speak pictogram
- **Connector 6:** Listen pictogram
- **Connector 7:** Floor level arrow indicator up
- **Connector 8:** Floor level arrow indicator down
- **Connector 9:** Overweight
- **Connector 10:** Doors blocked
- **Connector 11:** Opening doors
- **Connector 12:** Closing doors
- **Connector 13:** Inspection
- **Connector 14:** Out of service

2.2.3. Generic Autonomous Acqcard

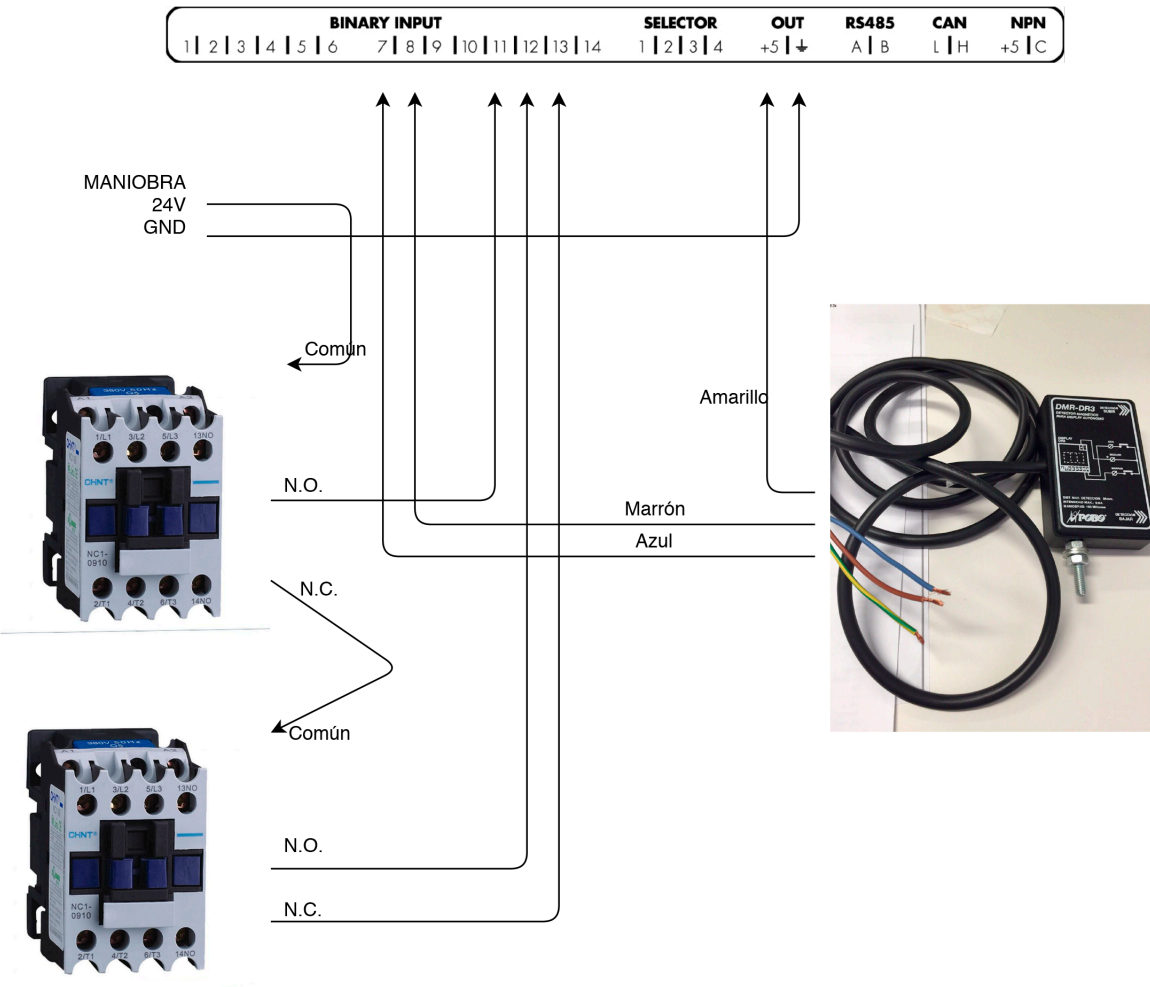


CONEXIÓN CON ADVERTISIM

BINARY INPUT														SELECTOR				OUT		RS485		CAN		NPN	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	+5	↓	A	B	L	H	+5	C



2.2.4. Autonomous arrows



2.3. 2.3. Multibrand specific connections

2.3.1. Carlos Silva BCD10/Hidra

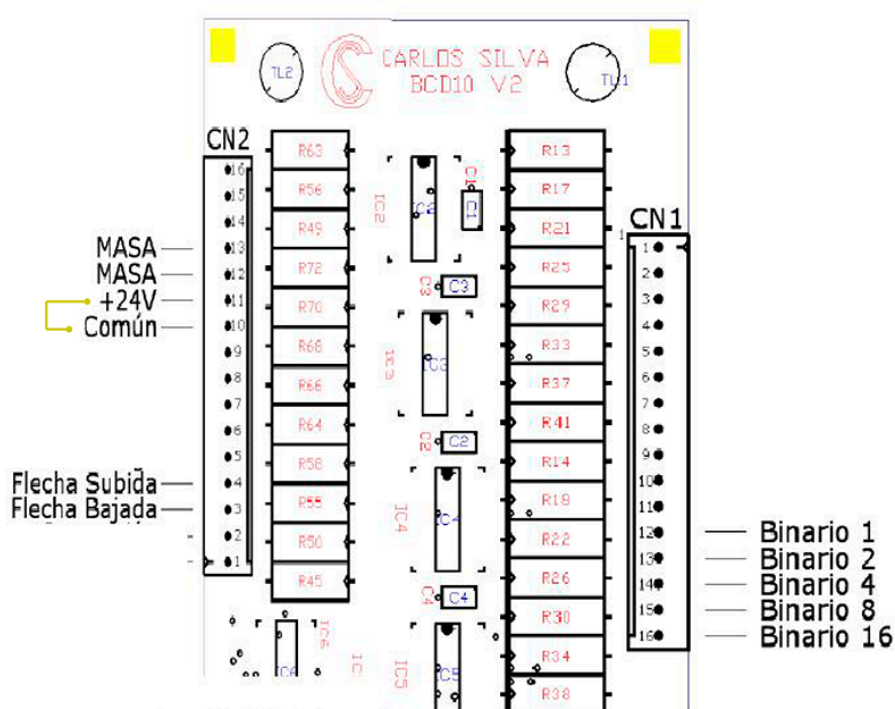
INSTALACIÓN

BCD10 - ADVERTISIM

Para funcionar en este modo, el microinterruptor SW2 debe estar con los interruptores 1, 2 y 3 a OFF. La codificación binaria está implementada en binario natural. El valor binario 0 corresponde al símbolo 0 de la tabla DMR135, el valor 1 corresponde al símbolo 1... (Ver tabla).

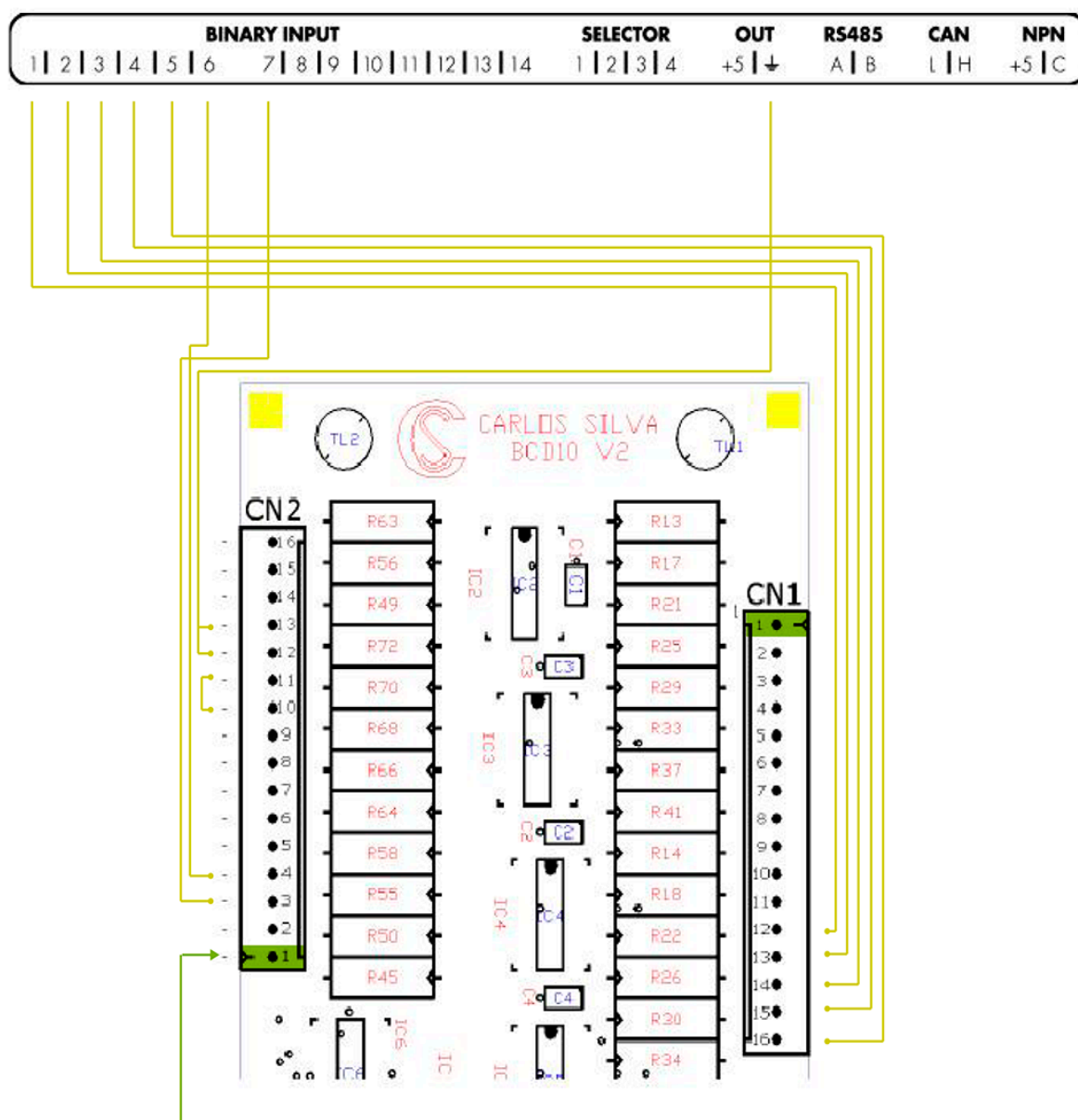
Tabla soportada por la placa BCD

	0-	1-	2-	3-	4-	5-	6-	7-	8-
0	Reservado ?	10	20				0	Reservado +	
1	1	11	21					Reservado +	
2	2	12	22	-1			Reservado 8	Reservado 16	
3	3	13	23	-2				Reservado	×
4	4	14	24	-3			Reservado 5		×
5	5	15					Reservado 7		×
6	6	16				Reservado +		Reservado +	×
7	7	17				Reservado +		Reservado 1-4	×
8	8	18						Reservado 4-8	×
9	9	19				Reservado 4-8	Reservado 8		×



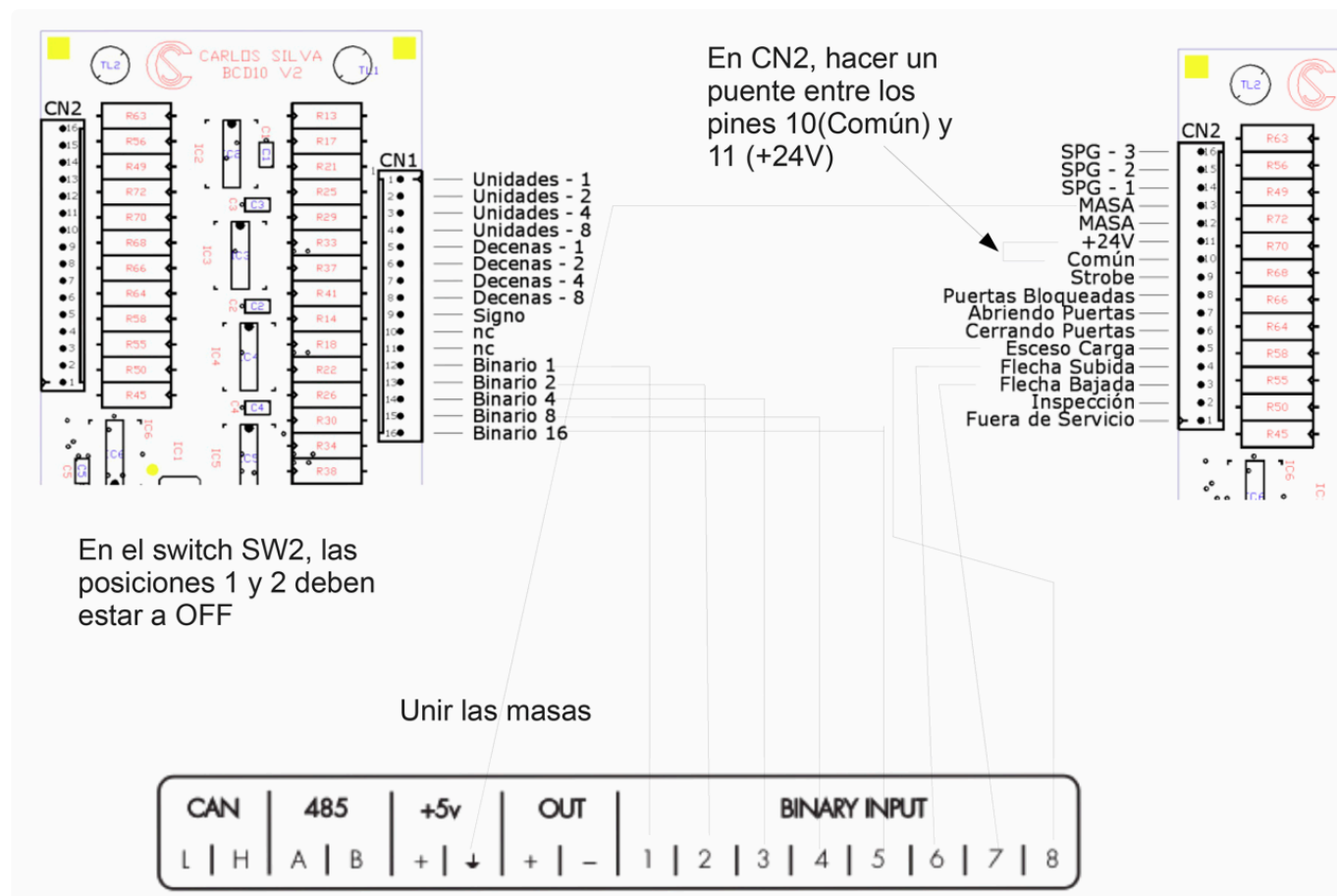
INSTALACIÓN

CONEXIÓN CON ADVERTISIM



Atención al orden de las bornas de los conectores del conversor BCD10

2.3.2. Carlos Silva BCD10

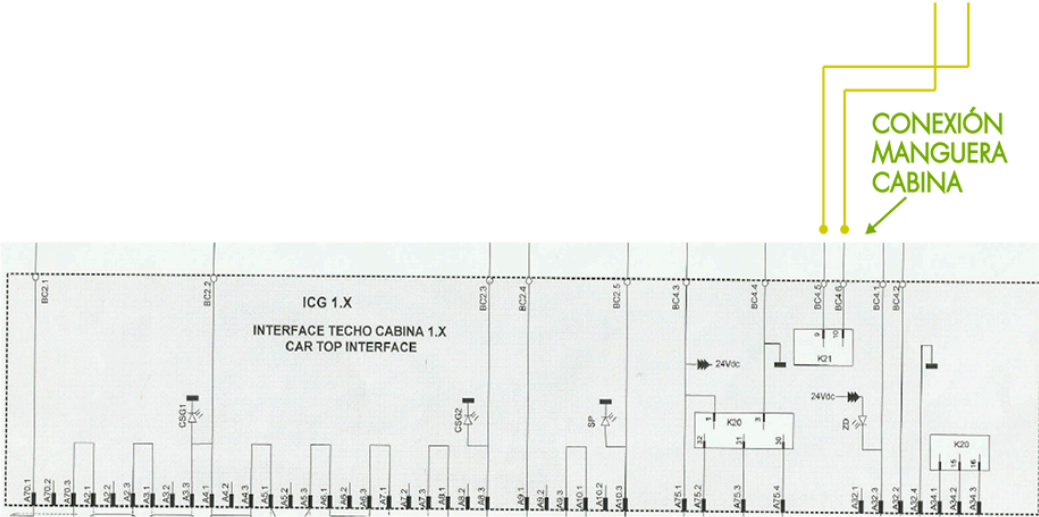


2.3.3. Carlos Silva Hidra Crono CAN

INSTALACIÓN

CONEXIÓN CON ADVERTISIM

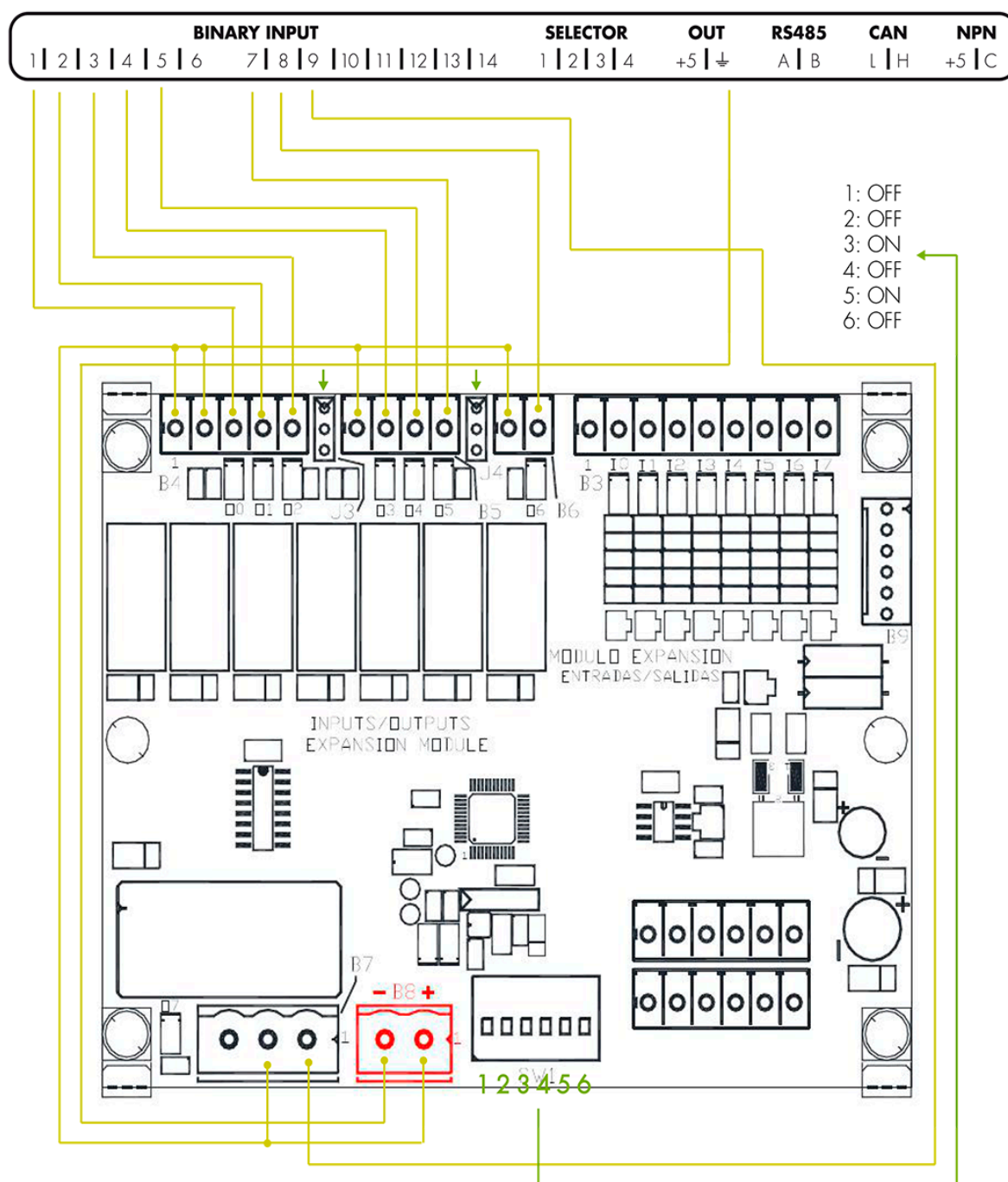
BINARY INPUT														SELECTOR				OUT		RS485		CAN		NPN	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	+5	↓	A	B	L	H	+5	C



2.3.4. Carlos Silva Hidra Crono MX10

INSTALACIÓN

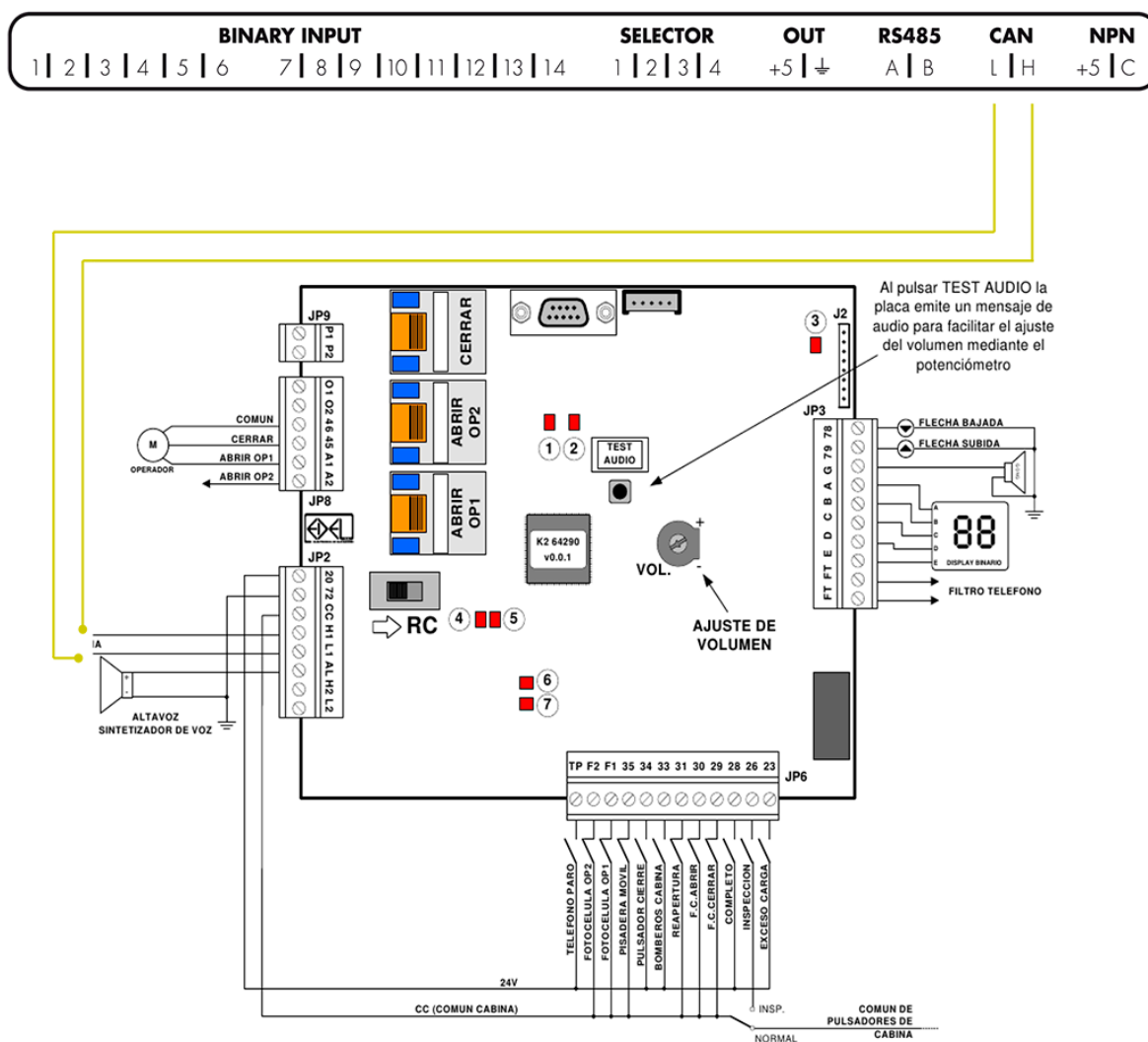
CONEXIÓN CON ADVERTISIM 15" Y 10" (Superficie)



2.3.5. Edel K2 CAN and Binary

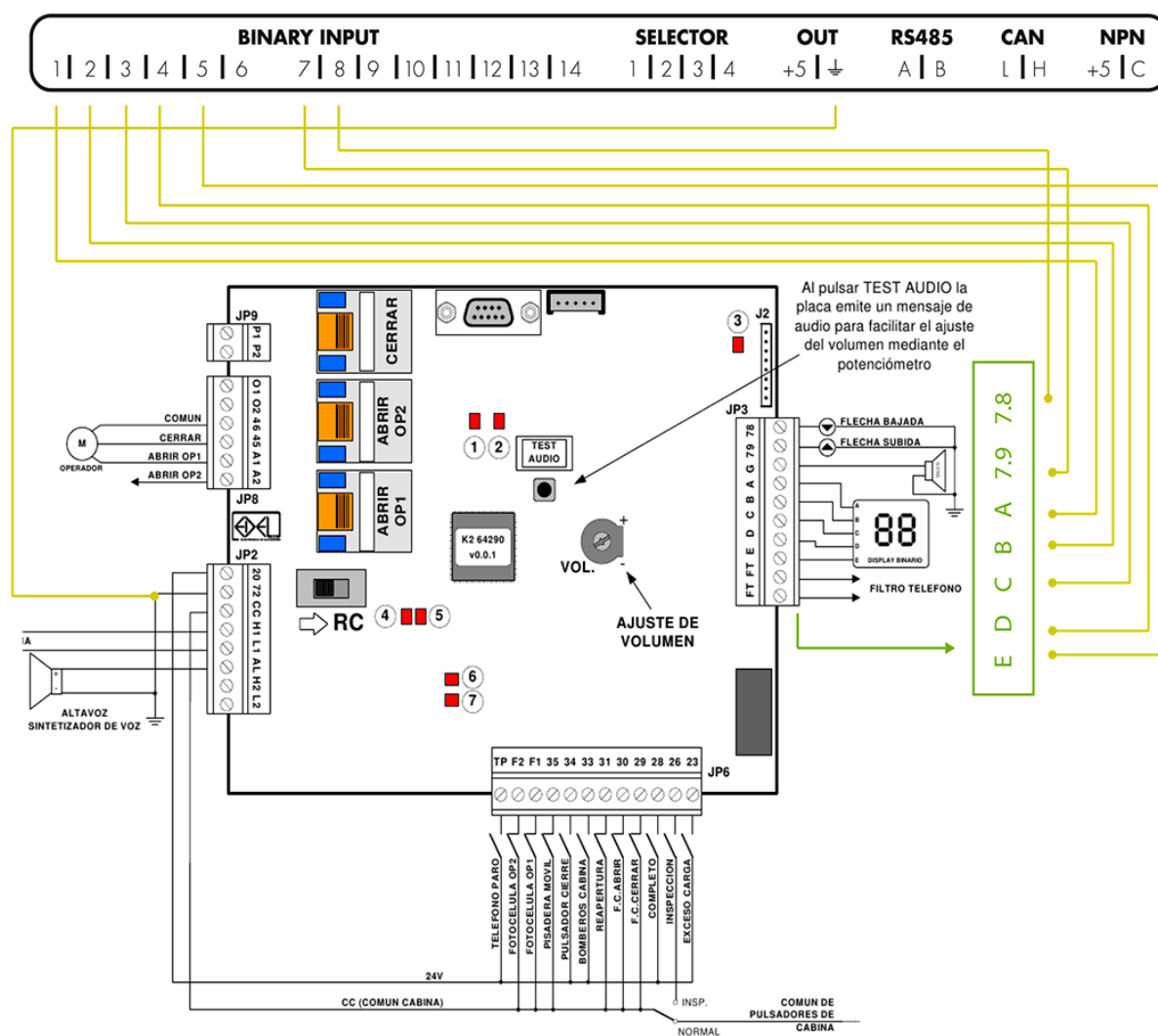
INSTALACIÓN

CONEXIÓN CON ADVERTISIM



INSTALACIÓN

CONEXIÓN CON ADVERTISIM



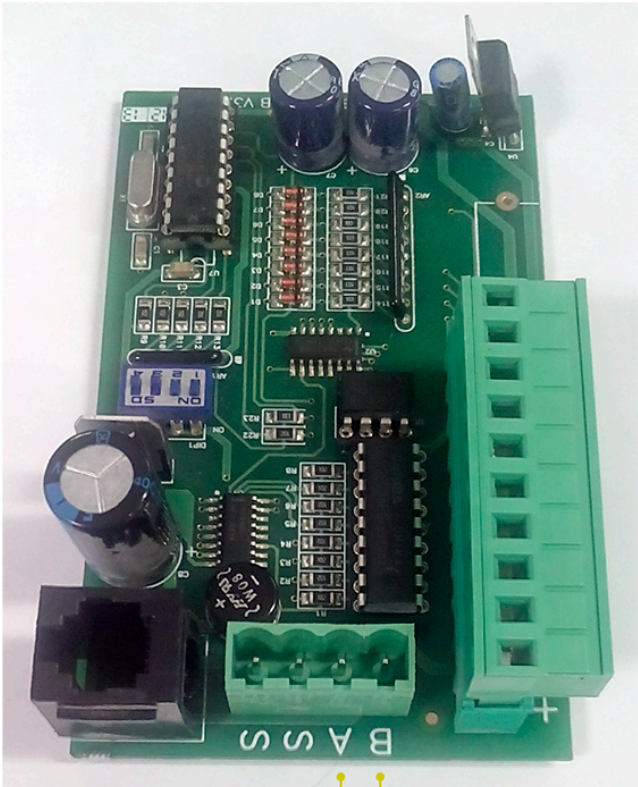
- En el caso que se quiera adaptar un display binario de una marca que no sea EDEL, deberá añadirse el filtro EDEL-54279.
- En el caso de que se desee conectar las flechas de próxima partida, deberá añadirse un módulo adicional EDEL-54275/D/B y una placa EDEL-54273.

2.3.6. Elca Kenja/Pobo Diana

INSTALACIÓN

CONEXIÓN CON ADVERTISIM

BINARY INPUT														SELECTOR				OUT		RS485		CAN		NPN	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	+5	⏏	A	B	L	H	+5	C

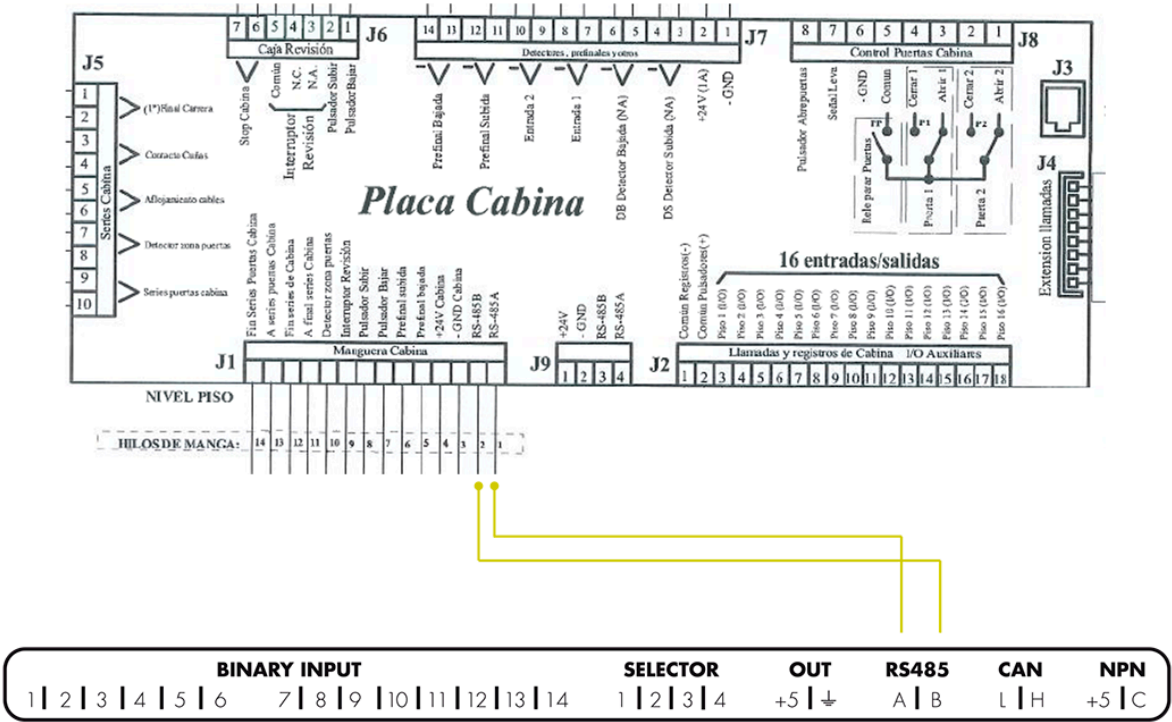


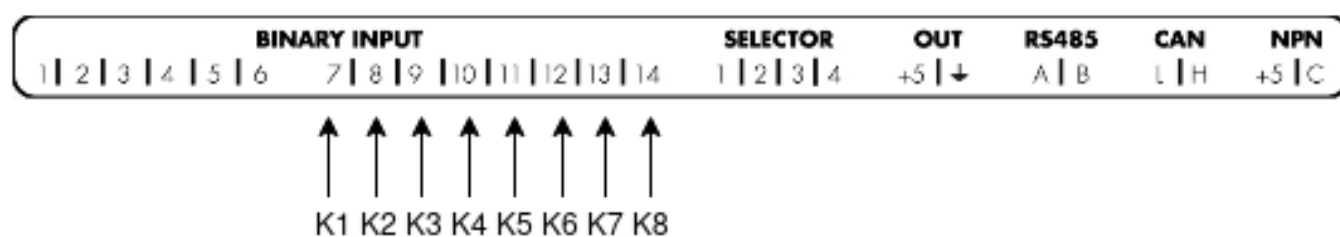
PLACA PULCAB

2.3.7. HATS TXAPELA-ZEUS



CONEXIÓN CON ADVERTISIM





INSTALACIÓN

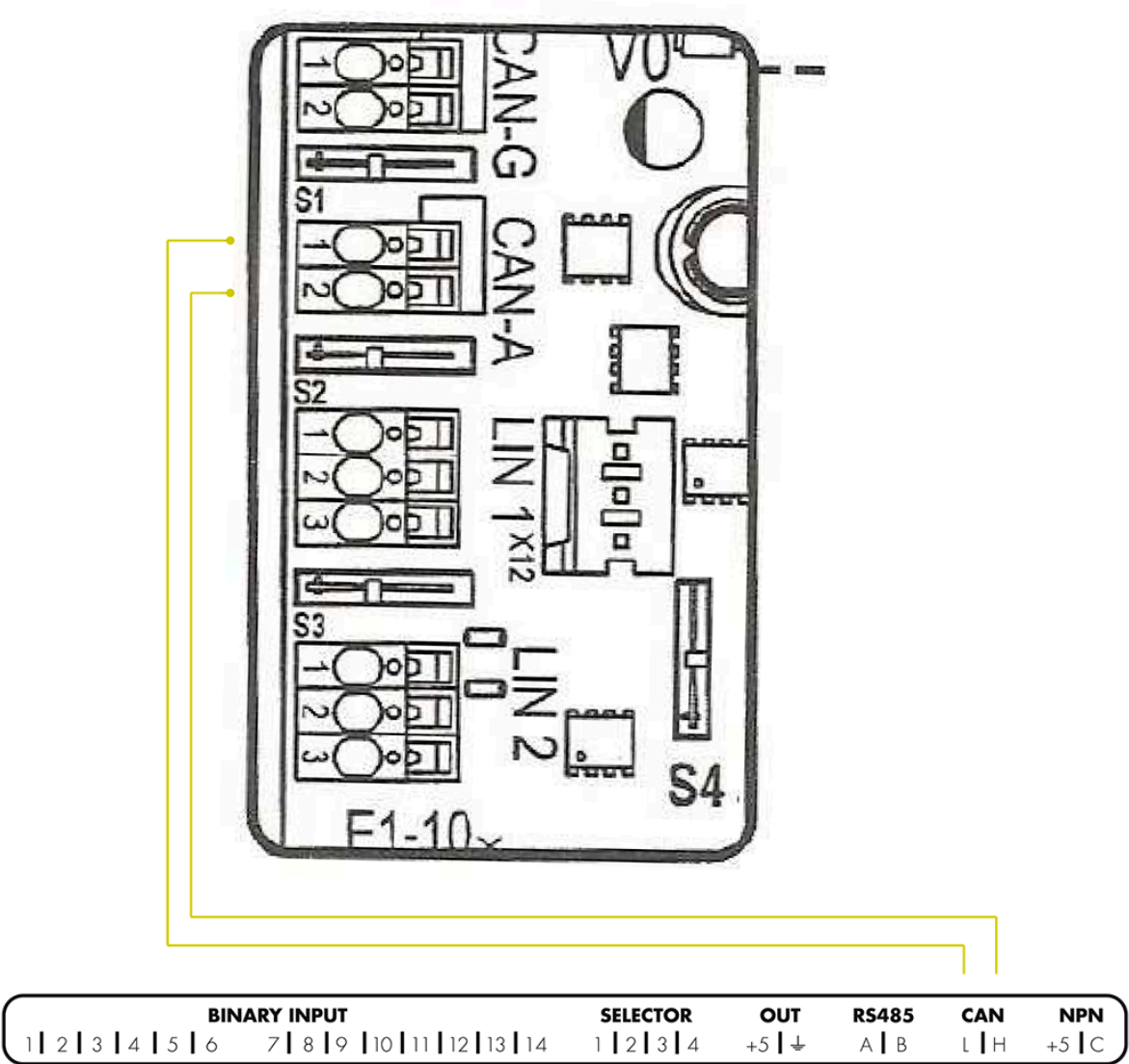
Diagrama de conexión para el módulo de control de iluminación. El diagrama muestra la conexión de los pines de entrada y salida del módulo a los componentes de la instalación. Las conexiones incluyen:

- (16E) Contactos serie exterior - Seguridades
- (18E) Contactos serie exterior - Seguridades
- (16P) Contactos serie exterior - Presencia
- (18P) Contactos serie exterior - Presencia
- (20E) Contactos serie exterior - Cerrojos
- (21E) Contactos serie exterior - Cerrojos
- (81) Común pulsadores rellano
- (46E) Común luminosos exterior (24V-)
- (47) Luminoso flecha subida (máximo 3W)
- (45) Luminoso flecha bajada (máximo 3W)
- (44) Luminoso ocupado (máximo 3W)
- (A) Posicional codificada
- (B) Posicional codificada
- (C) Posicional codificada
- (D) Posicional codificada
- (35) Salida alimentación (24V+)

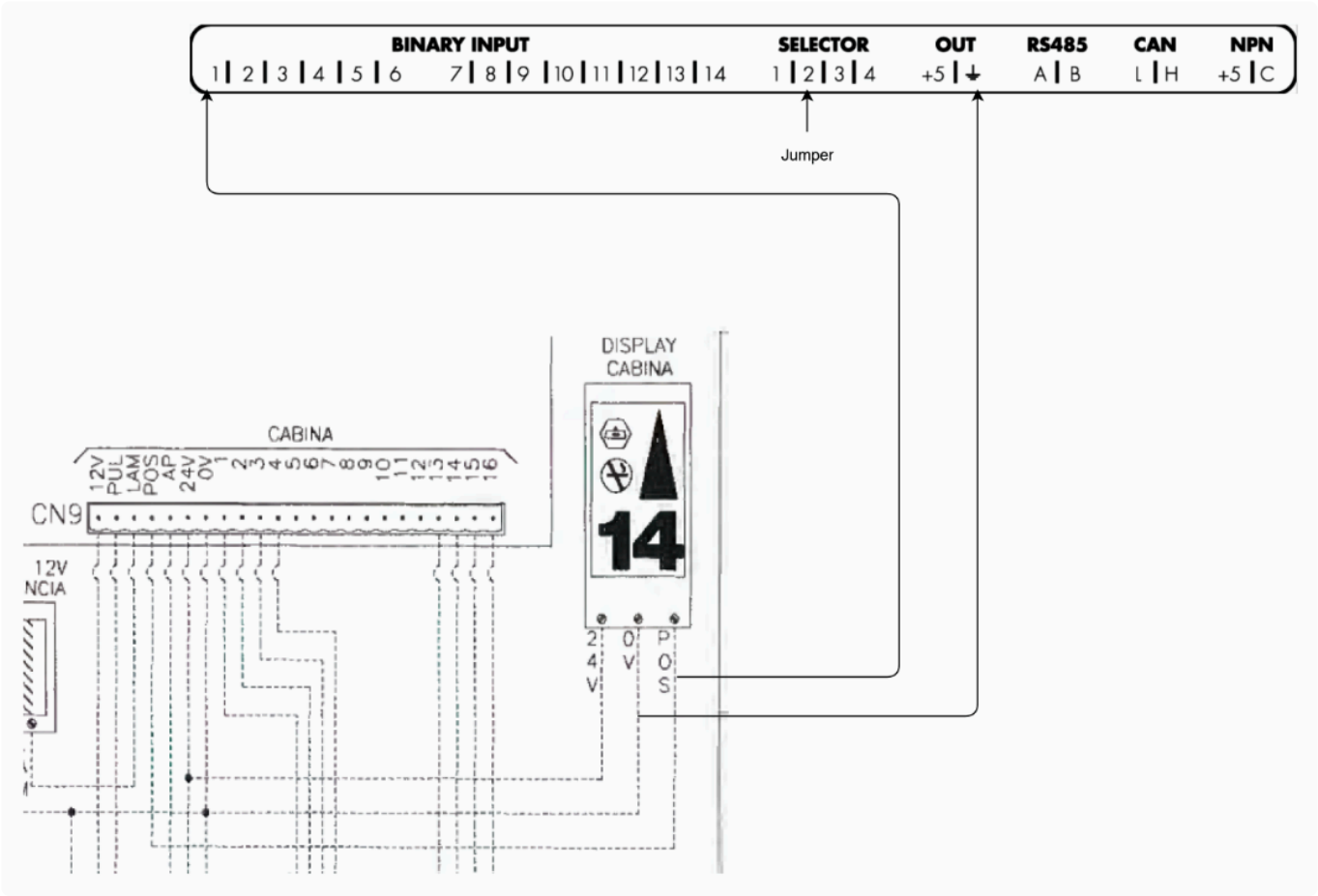
2.3.10. Lift Control CAN



CONEXIÓN CON ADVERTISIM



2.3.11. Megom EM2000

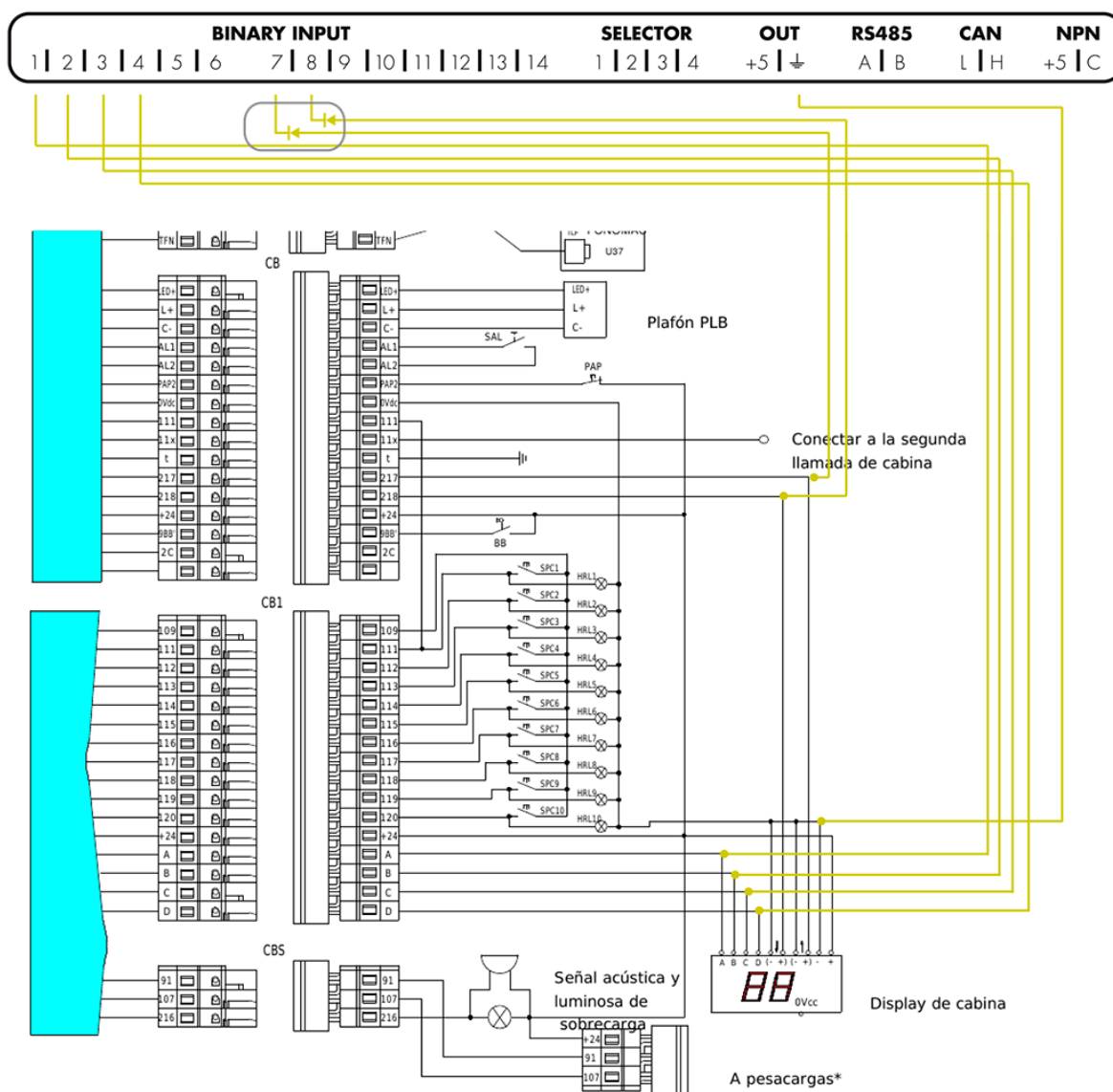


2.3.12. MP Microbasic BINARY

INSTALACIÓN

CONEXIÓN CON ADVERTISIM

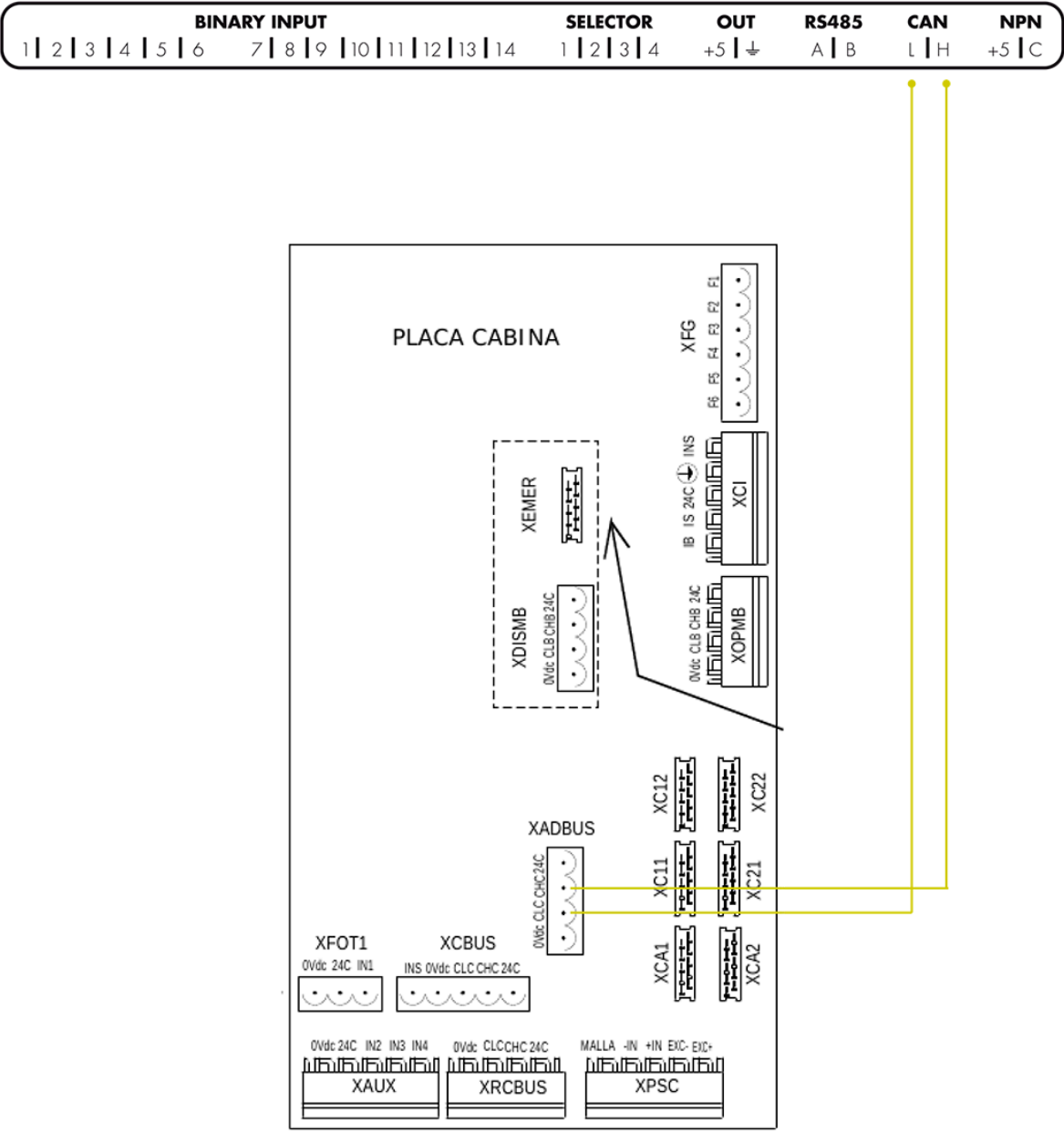
- ➔ **DIODO** El diodo está girado de forma que el terminal con la marca gris esté orientado hacia dispositivo Advertisim. Es necesario completar la instalación con dos diodos: 1N4001 ó 1N4007.



2.3.13. MP Via Serie CAN



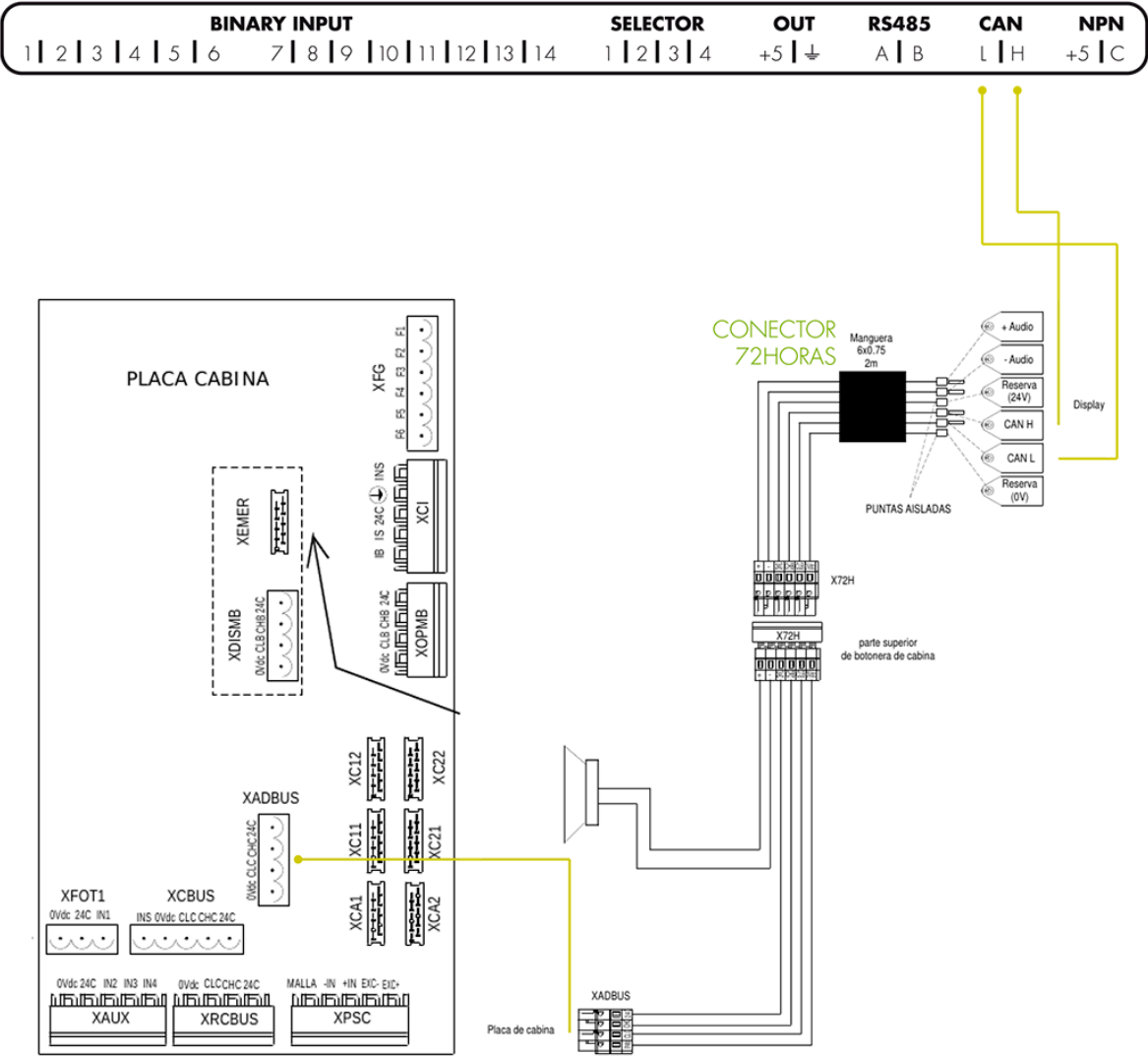
CONEXIÓN CON ADVERTISIM



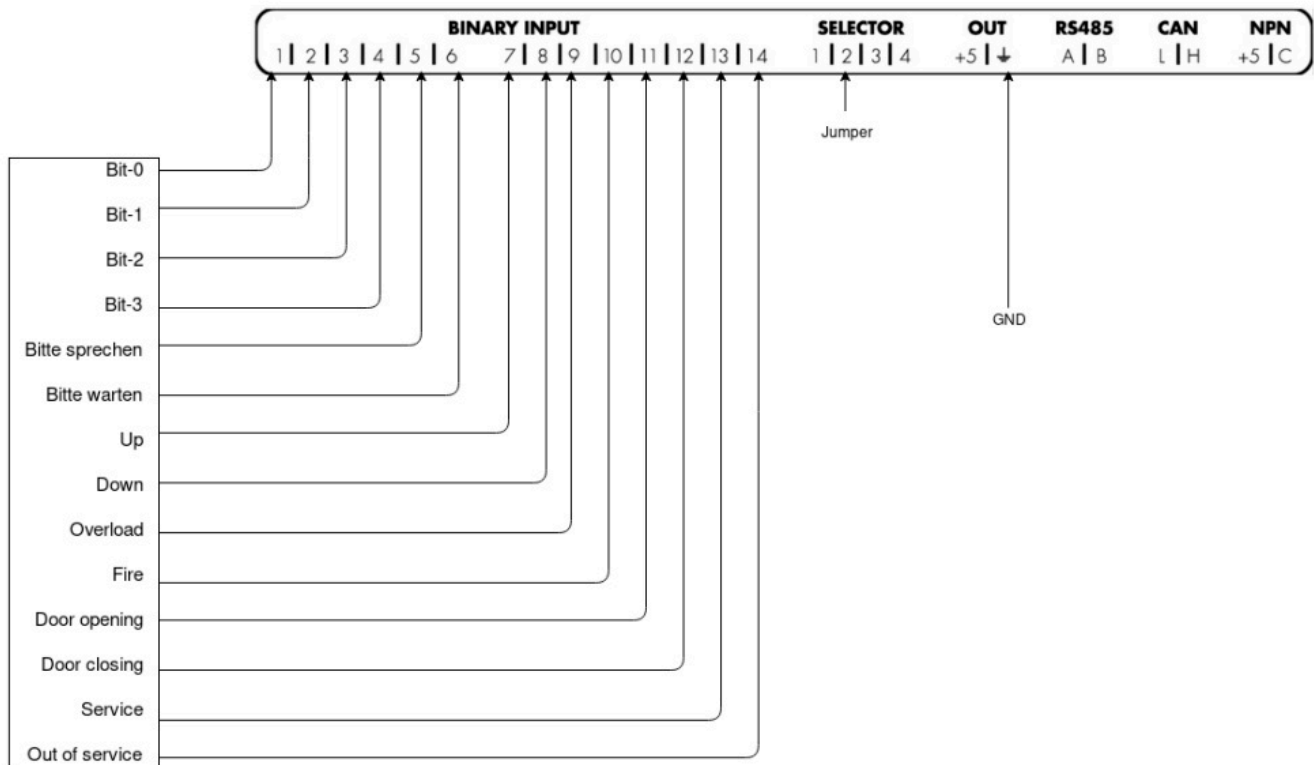
2.3.14. MP Via Serie CAN CON. 72H



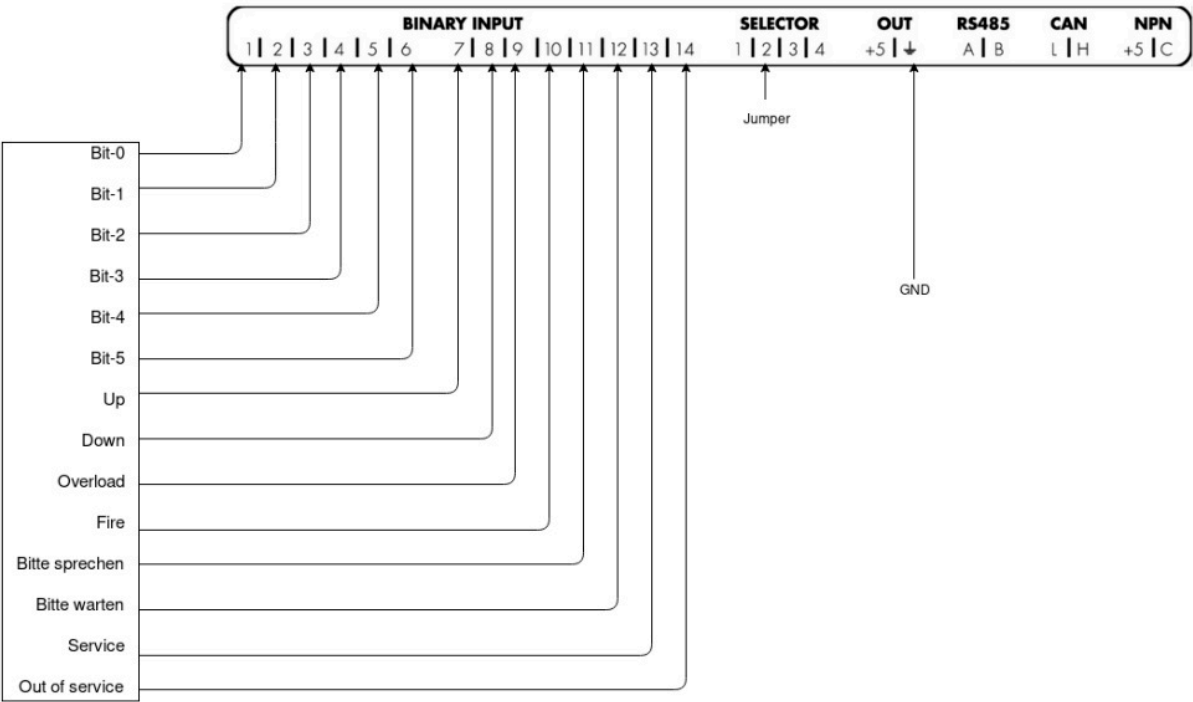
CONEXIÓN CON ADVERTISIM



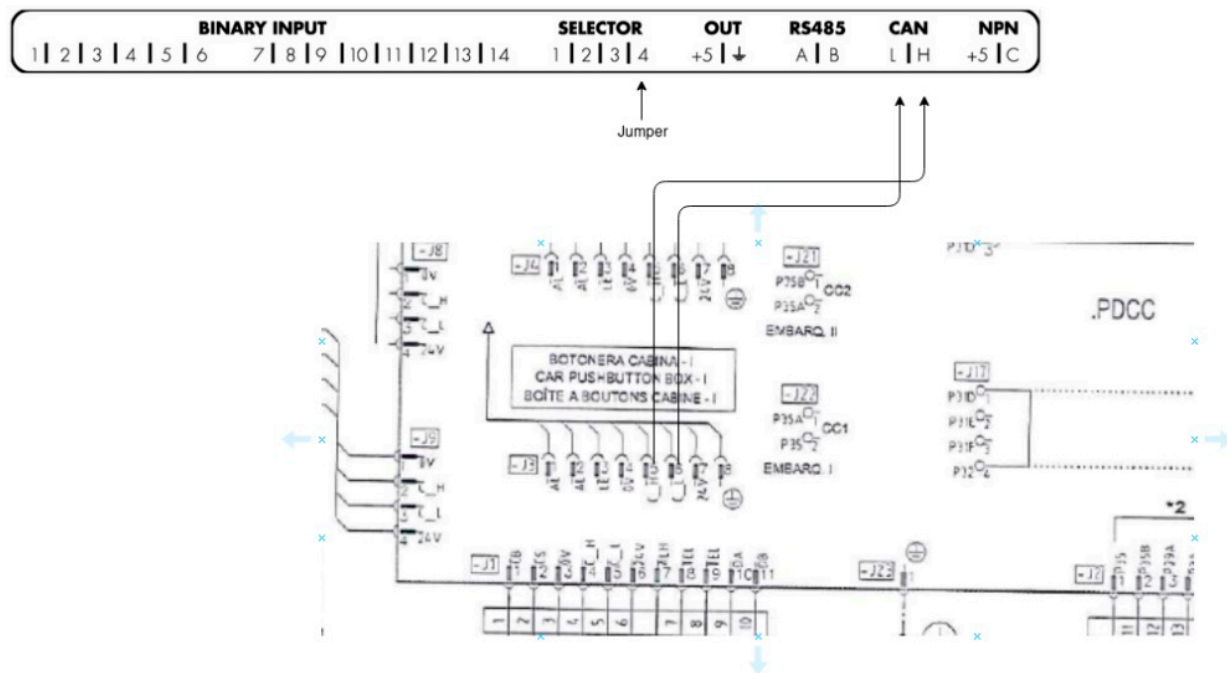
2.3.15. Notruf + Brandfall bis 8 Etagen Newlift



2.3.16. Notruf Brandfall bis 32 Etagen Newlift



2.3.17. ORONA ARCA II

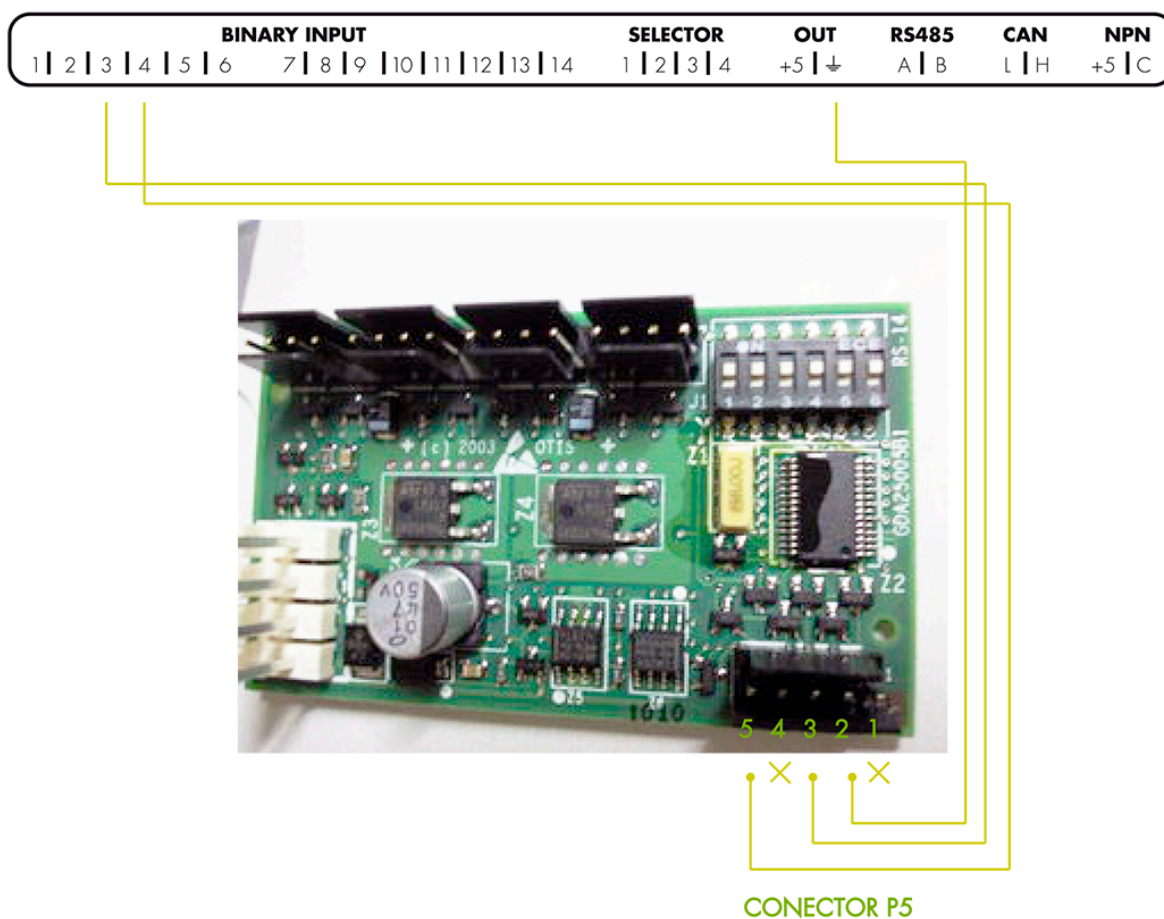


2.3.18. OTIS GEN2_2000

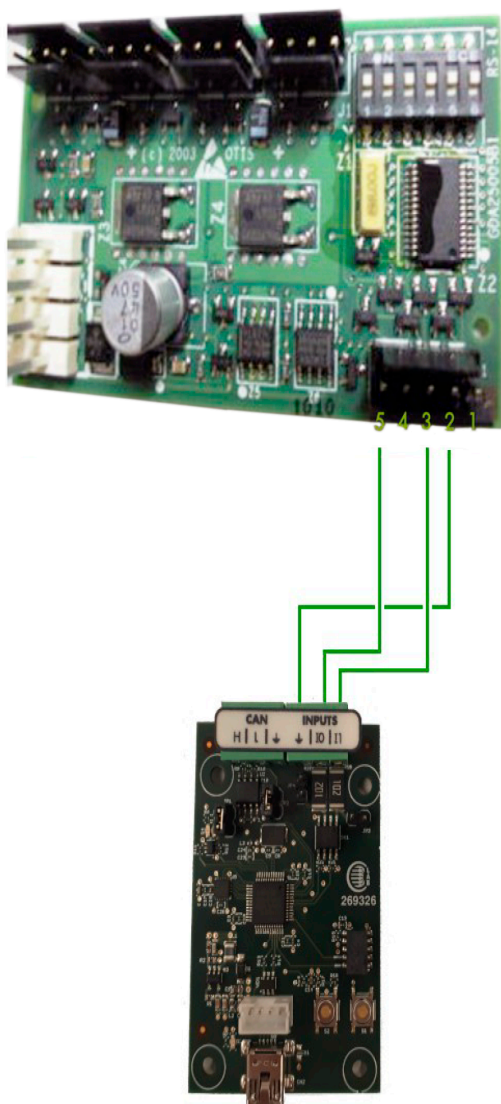
INSTALACIÓN

OTIS 2000 / GEN2 RS-14

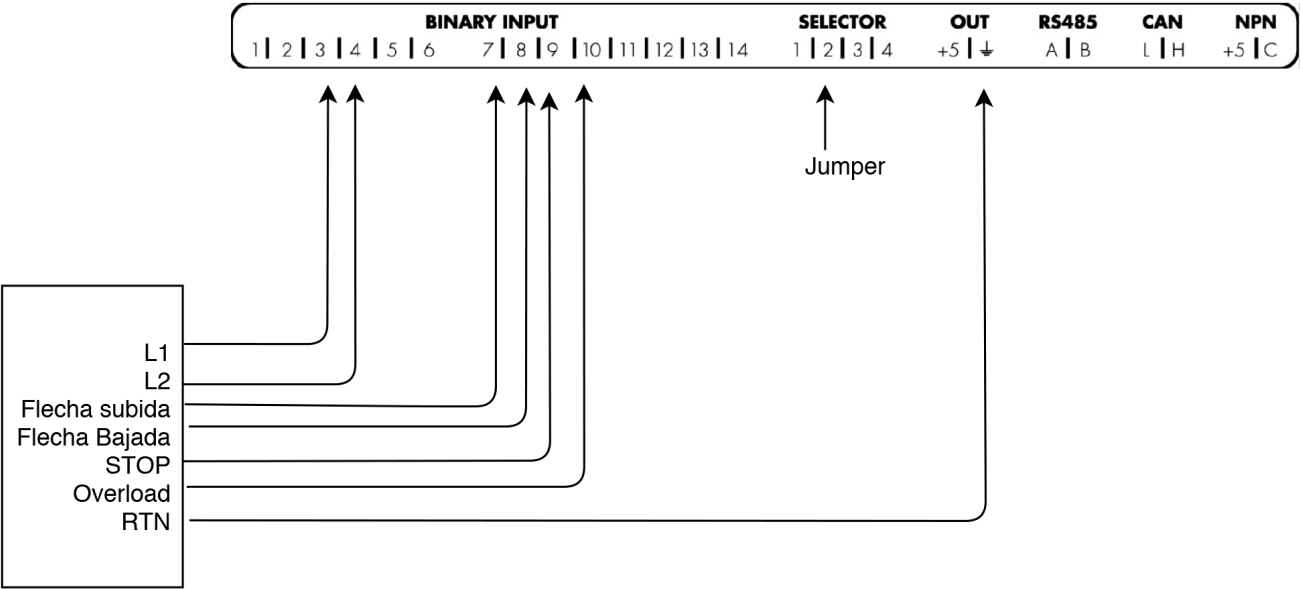
CONEXIÓN CON ADVERTISIM



2.3.19. OTIS GEN2 2000 USBCAN



2.3.20. OTIS MCS 220

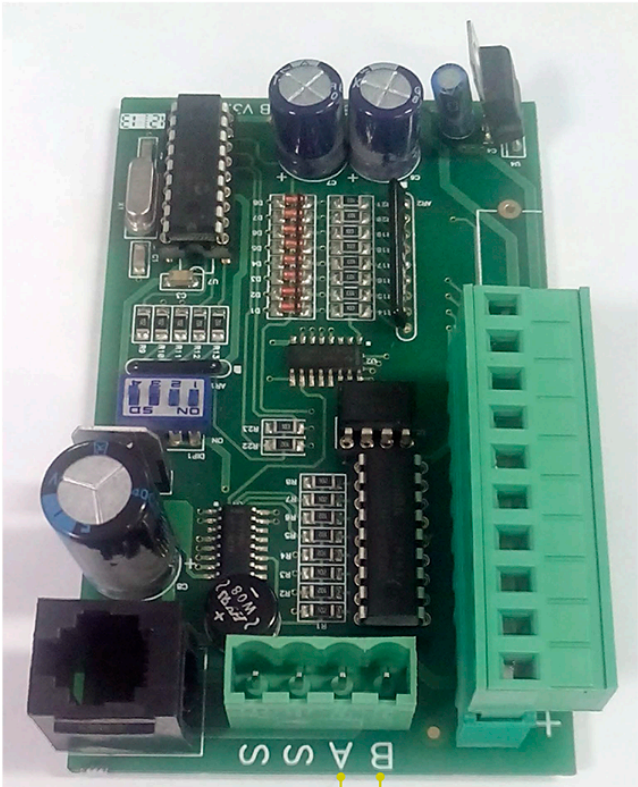


2.3.21. Pobo Diana



CONEXIÓN CON ADVERTISIM

BINARY INPUT														SELECTOR				OUT		RS485		CAN		NPN	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	+5	⏏	A	B	L	H	+5	C

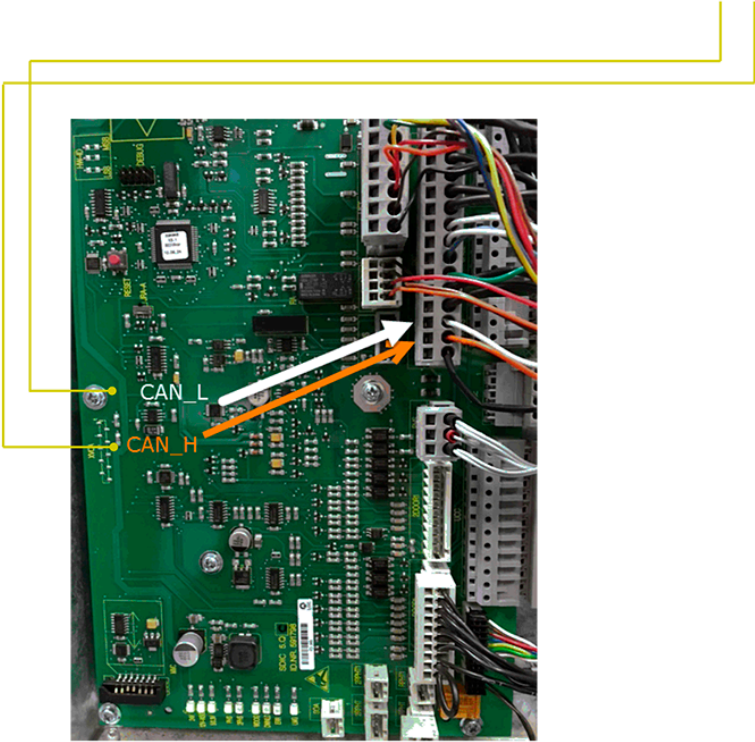


2.3.22. Schindler

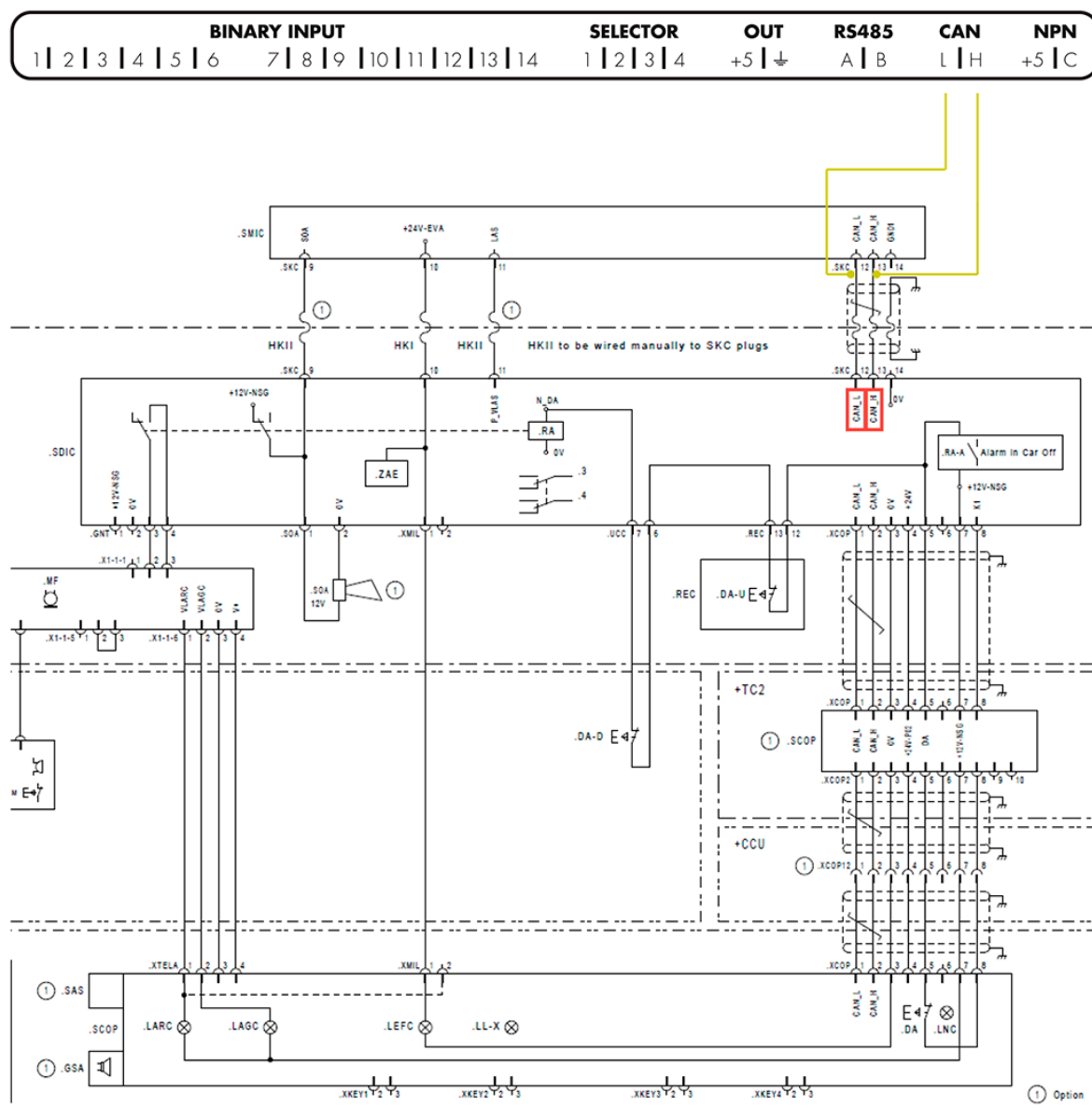
INSTALLATION

CONEXIÓN CON ADVERTISIM

BINARY INPUT														SELECTOR				OUT		RS485		CAN		NPN	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	+5	⏏	A	B	L	H	+5	C



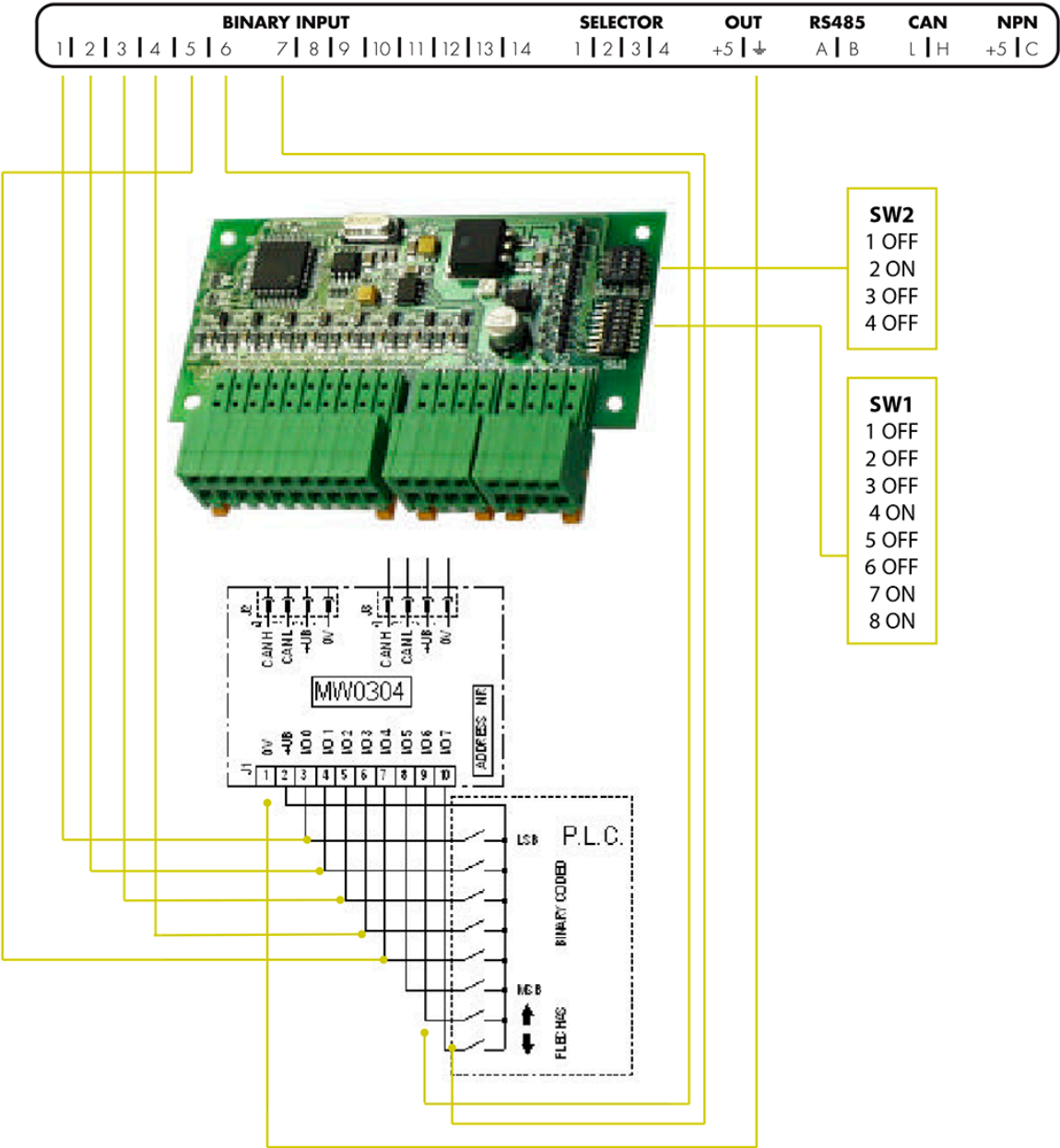
INSTALLATION



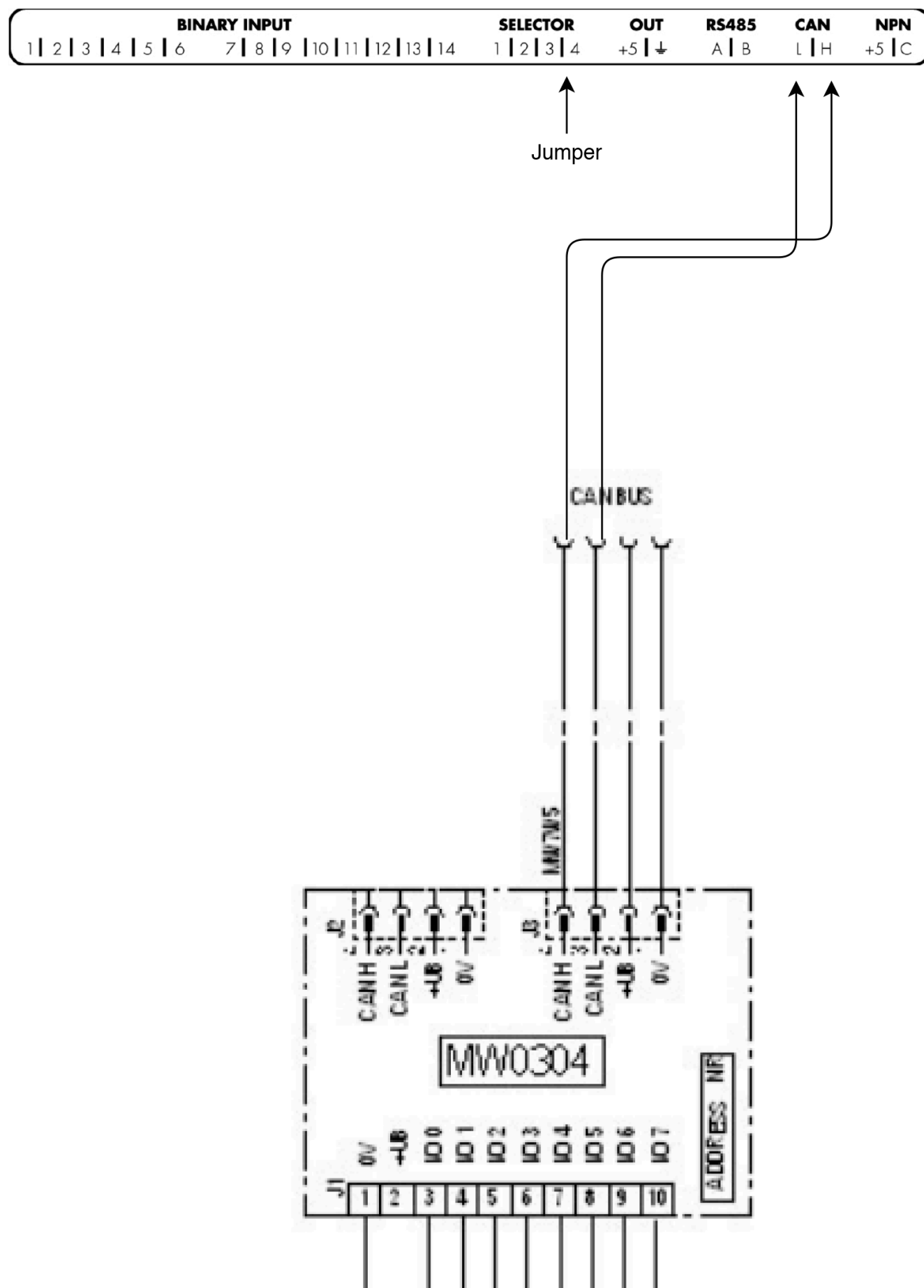
2.3.23. Sistel – Binary



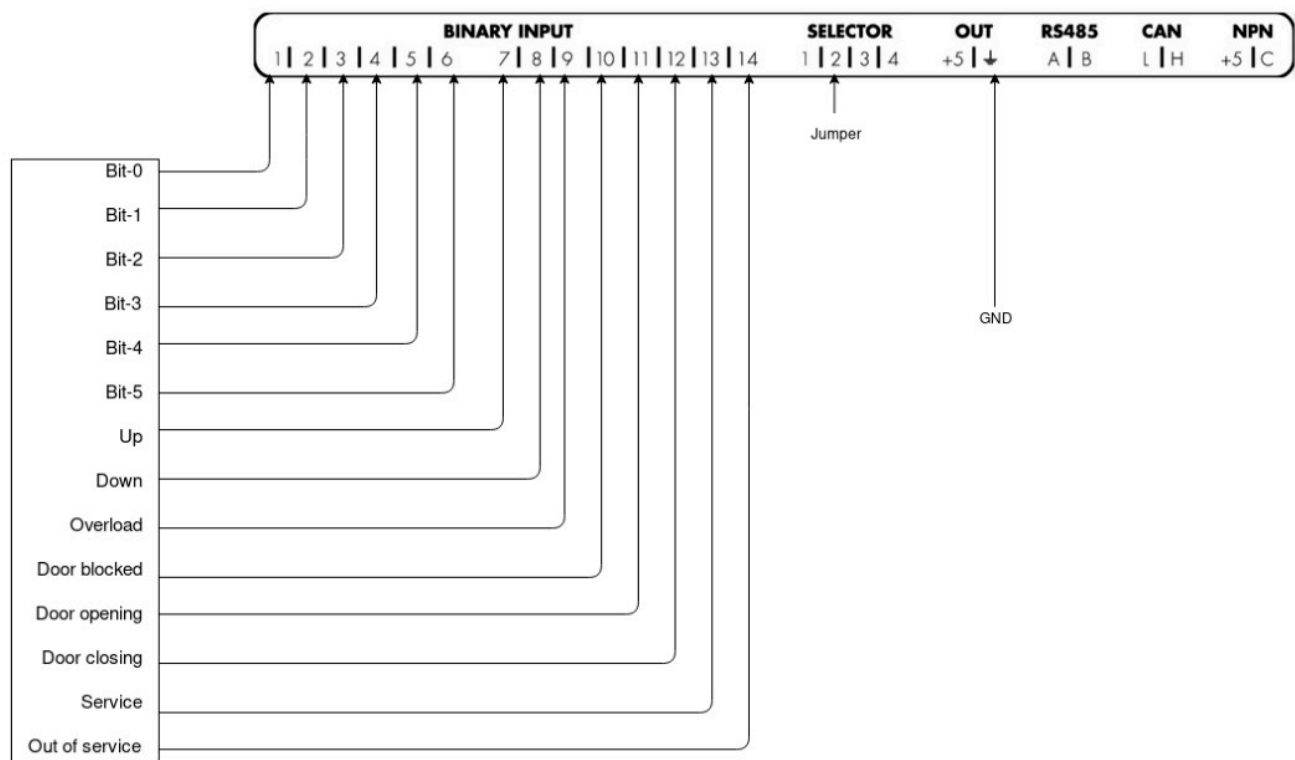
CONEXIÓN CON ADVERTISIM



2.3.24. Sistel Millenium



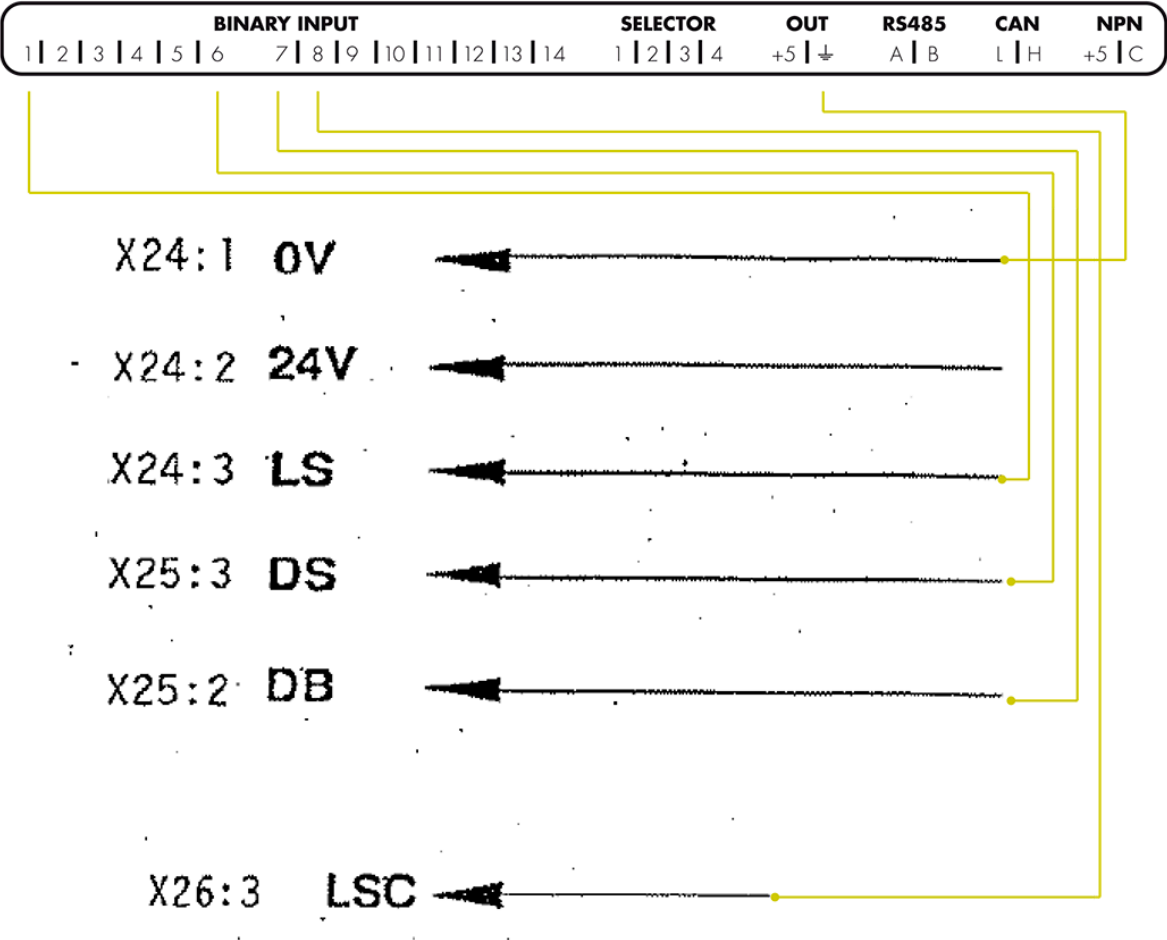
2.3.25. Standard Newlift



2.3.26. Thyssenkrupp



CONEXIÓN CON ADVERTISIM



3. 3. Connectivity

Conectividad 3G

- **Advertisim SIM CARD included**

Advertisim devices with 3G connectivity include by default a M2M SIM CARD with a 250 MBs data plan, active and ready to be used. 3G connectivity does not need any configuration, it is completely independent from the customer's network and it is a perfect option when you want to isolate the customer's network (or intranet) from the Advertisim product.

You only need to connect the 3G antenna to the right connector (the location differs depending on the device type), and place the antenna's magnetised base in a suitable location (free from interferences).

- **Advertisim SIM CARD not included**

In the unlikely case in which the Advertisim device does not include an Advertisim SIM card and you want to use a client's SIM CARD, that SIM CARD needs to meet certain requirements:

- At least a 250 MBs dataplan.
- Public APN.
- No PIN code

If those requirements are met, you can proceed in the same way as the previous case; you only need to connect the 3G antenna.

Wifi Connectivity

In order to connect the Advertisim device to a WIFI network, that network needs to be Open or with a WPA security password, with dynamic allocation of IP addresses (DHCP) without a captive portal asking for access confirmation, user login, proxies verification, etc.

Usually, WIFI networks in hotels or public buildings have access restrictions such as the described above. In those cases, the most common solution is to add the device's MAC address to the network's white list in order to avoid those restrictions. This operation, should be accomplished by the WIFI network administrators.

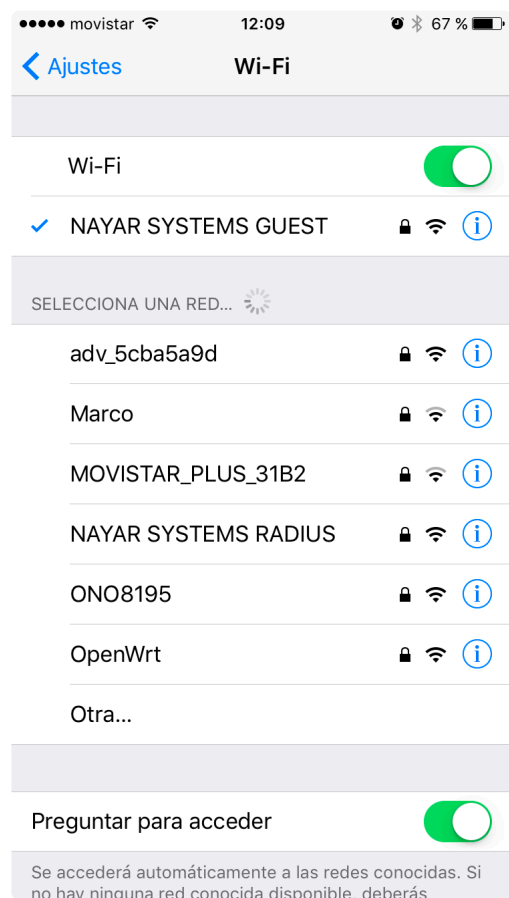
Step A

(You can jump to Step B if the network has Open or WPA security):

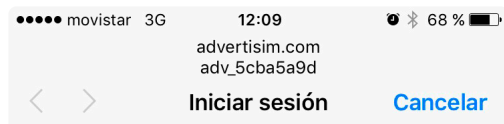
In order to facilitate the MAC address we will proceed as follows:

0. In recent versions of Advertisim, WiFi MAC address is shown in the boot screen as "MAC WLAN". If this is the case, you can jump to 8.

1. Turn on the Advertisim device.
2. Wait to see the “antenna” icon on the screen.
3. With a smartphone, tablet or laptop, search a WIFI network called adv_XXXXXXX (where XXXXXXX is the the device ID)



4. Login to this network with the password “connectivity”.
5. Once connected, open a browser on your smartphone, tablet or laptop. You will be redirected automatically to an Advertisim website. In some devices, the browser will open automatically once you get connected.
6. In this website you will see the Advertisim WiFi MAC address.



Direcciones MAC	
wlan0 :	00:e1:b0:85:96:31

Settings	
SCAN	Manual
SSID	SSID
SEC	WPA-PSK
PASS	Password

7. Repeat this process with as many Advertisim as necessary (MAC address is unique for each device).
8. Once the MAC addresses have been added to the network's white list and the Advertisim is free from networks restrictions, we will proceed to the configuration of the network connectivity of the device in Step B.

Step B

1. Repeat steps 1-5 of step A.
2. In the Advertisim WiFi configuration page, look for the Scan dropdown menu, click on Manual, and select the network to which the Advertisim scan combo and choose the desired WIFI network.

The image displays two screenshots of the Advertisim mobile application interface. The top screenshot shows the login screen with the Advertisim logo and the text "Welcome to the connectivity". Below the logo, there is a section for "Direcciones MAC" with a table showing "wlan0 : 00:e1:b0:85:96:31". Underneath, there is a "Settings" section with a "SCAN" dropdown menu set to "Manual". Below this, there are fields for "SSID", "SEC" (set to "WPA-PSK"), and "PASS" (Password). The bottom screenshot shows a list of available networks with their names, signal strength, and security type. The networks listed are: "adv_939be10a - 99% - wpa-psk - 00...", "NAYAR SYSTEMS RADIUS - 79%...", "ONO8195 - 79% - wpa-psk - D2:CA:...", "NAYAR SYSTEMS GUEST - 79% - wp...", and "OpenWrt - 79% - wpa-psk - DE:CA:6...".

3. Fill the password field with the network's password. If it is an Open network, it is not necessary to indicate anything and the password field will not appear.

4. Click on Save

5. In the Advertisim device, the WIFI antenna icon will change to WIFI icon.

Consider some aspects:

- The AP mode (WIFI network generated from the Advertisim device) only appears in the case of which the device is not able to connect to any registered WIFI network.
- AP mode is only available during 5 minutes. Once the time has expired, if you want to return to this mode, it is necessary to reboot the device.
- All devices are internally and permanently configured to a default WIFI network configuration (SSID: advertisim, Password: 12345678). If you create a hotspot with this configuration (for example, with a smartphone), the Advertisim will automatically connect to it.
- Advanced network configuration:
 - DHCP
 - DNS 8.8.8.8 and 8.8.4.4
 - TCP ports: 7744, 80, 443, 53
 - UDP ports: 53

Ethernet connectivity

In order to connect the Advertisim device to an Ethernet network, it is required that the network access

has not specific restrictions.

In case of access restrictions, the solution is the same as in the WiFi case. You need to add the Ethernet MAC address to the network's white list.

You can get the Ethernet MAC address:

Option 1) In recent versions of Advertisim, WiFi MAC address is shown in the boot screen as "MAC ETH".

Option 2) In older versions of Advertisim, on a sticker on the device.

Option 3) in the Advertisim Manager, Device List section, in the Configure Device page.

4. 4. Quick Start Guides

[AIO](#)

[TCU](#)

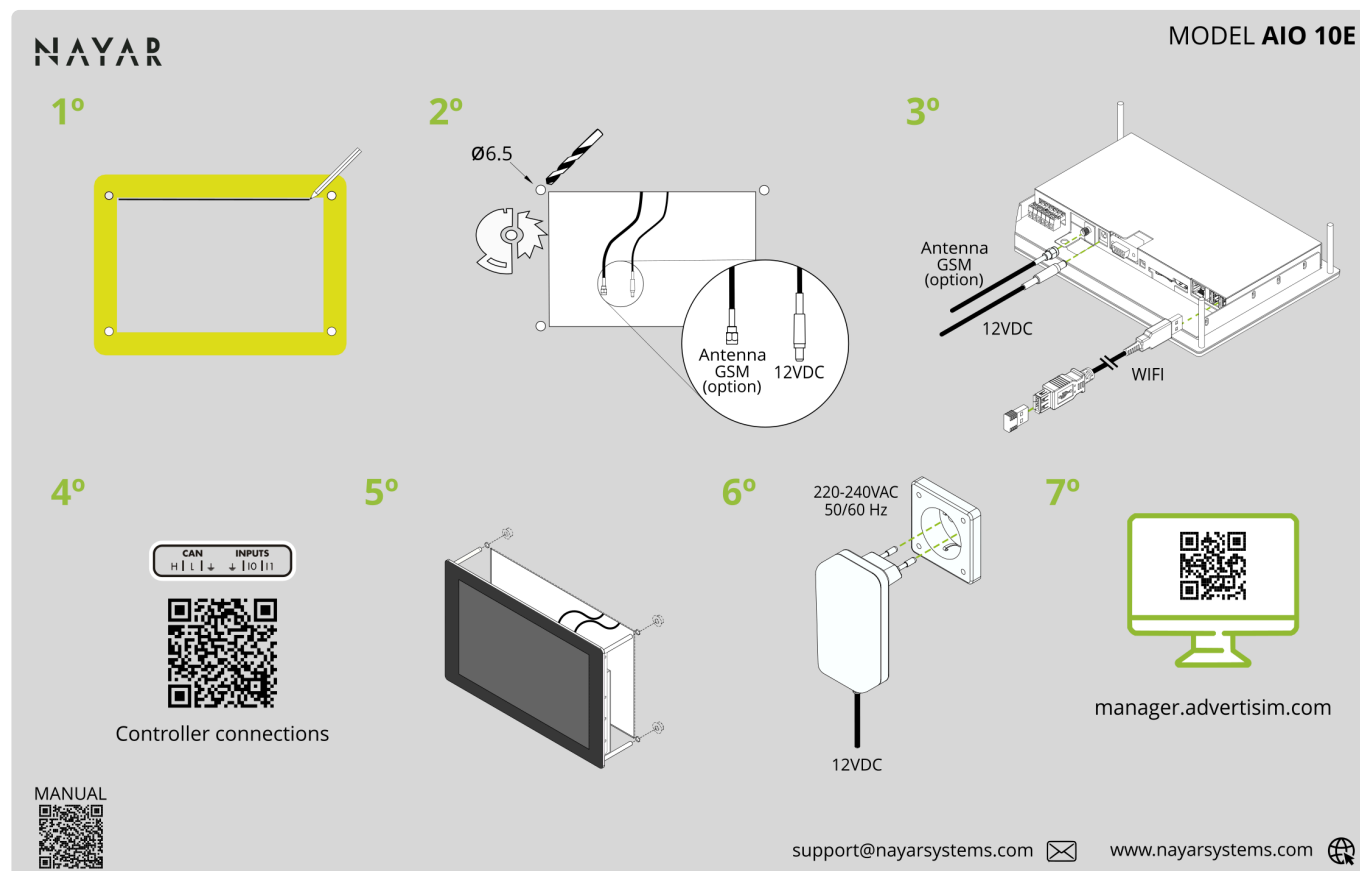
[ADV](#)

[Autonomous kit](#)

[DC Connector](#)


4.1. AIO

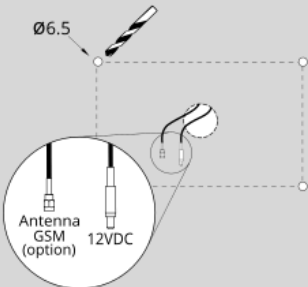
AIO 10E

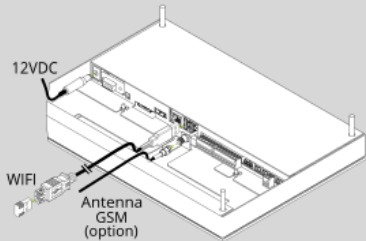


AIO 10S


NAYAR **MODEL AIO10S**


1° 

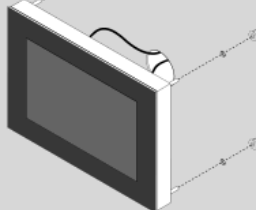
2° 

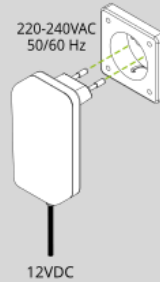
3° 


4° **Controller connections**






5° 



6° 

7° 

manager.advertisim.com

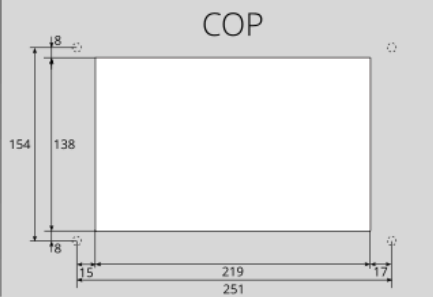
MANUAL

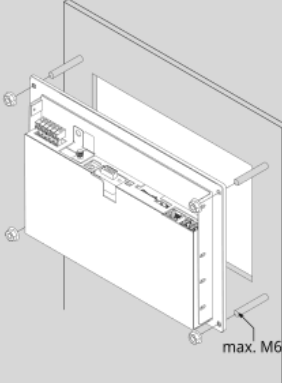


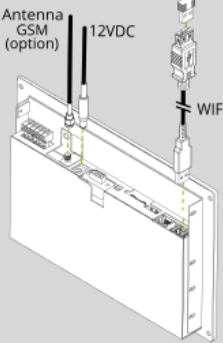
support@nayarsystems.com  www.nayarsystems.com 

AIO 10I


NAYAR **MODEL AIO10I**


1° 

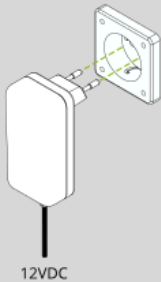
2° 


3° 

4° **Controller connections**








5° 

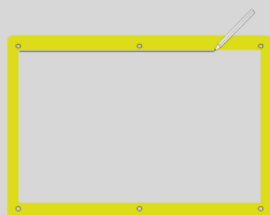
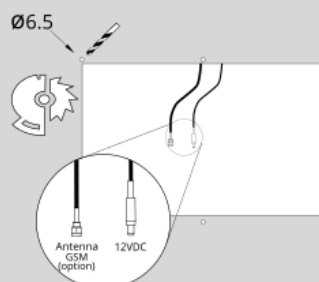
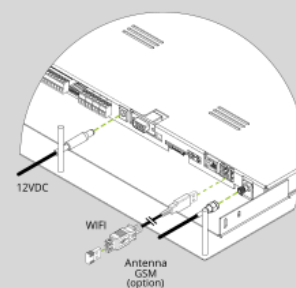
6° 

manager.advertisim.com

MANUAL AND PLANS



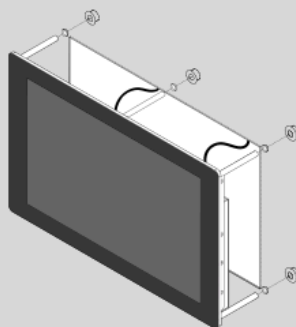
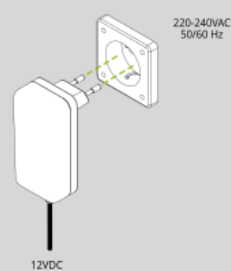
support@nayarsystems.com  www.nayarsystems.com 

AIO 15E**NAYAR****MODEL AIO15E****1°****2°****3°****4°**

Controller connections



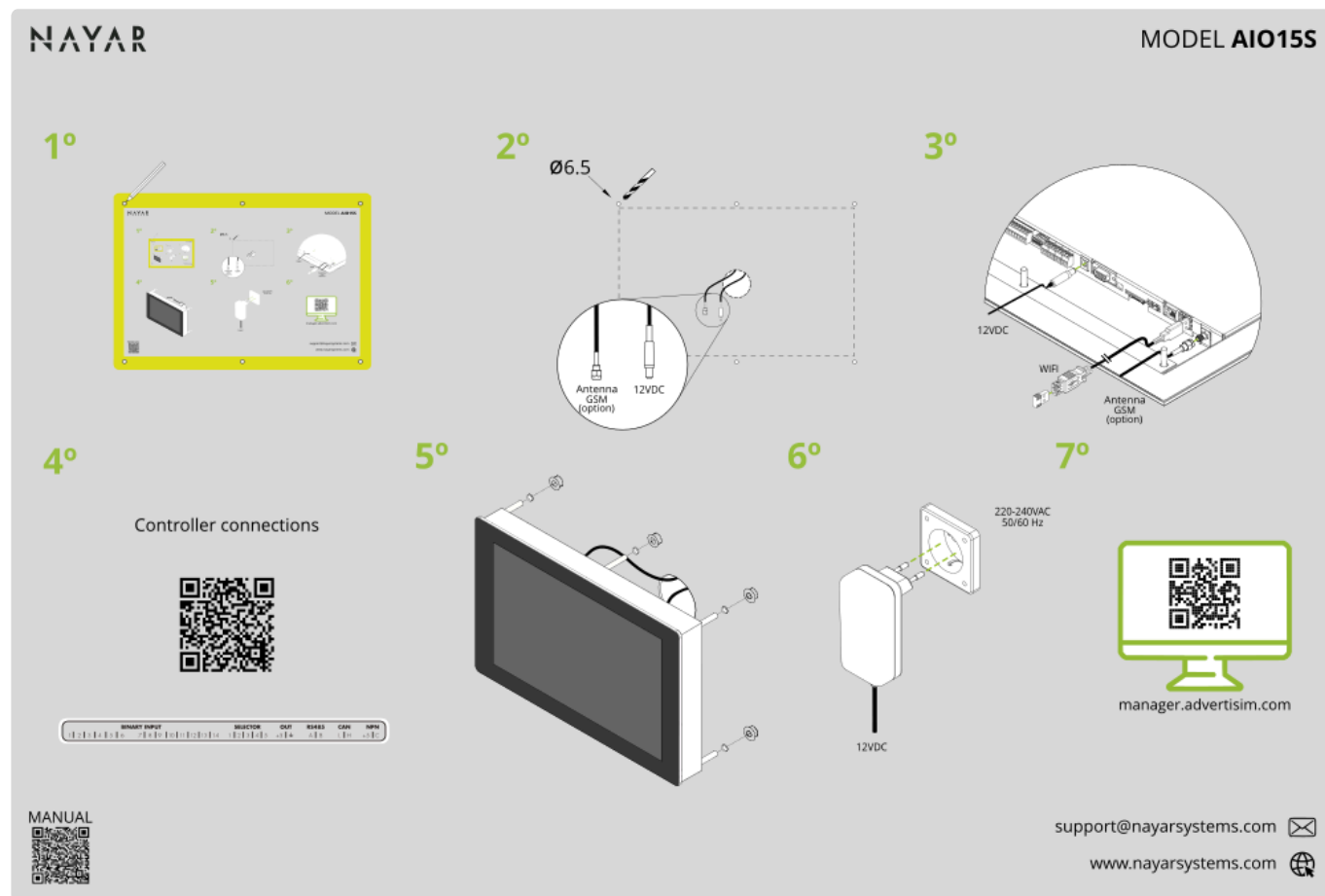
BINARY INPUT SELECTION OUT RESET CAN MUTE

**5°****6°****7°**

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www.nayarsystems.com

AIO 15S



4.2. TCU

TCU 10

NAYAR

MODEL TCU10

1°

2°

3°

4°

5°

Controller connections

6°

7°

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MANUAL

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TCU 17

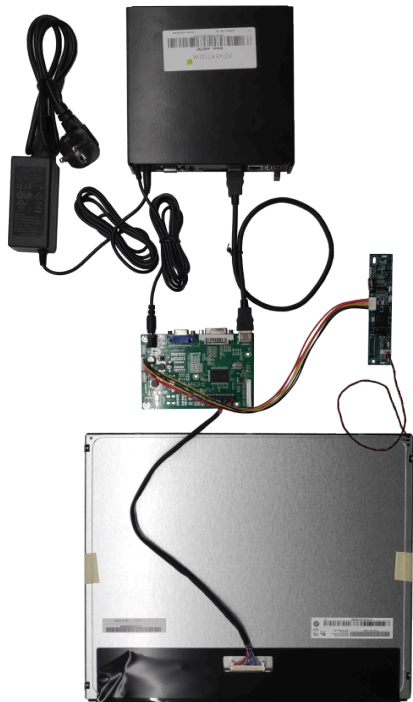
 NAYAR SYSTEMS

MODEL TCU 17

 NAYAR SYSTEMS

MODEL TCU 17

Components



17" TFT Panel



TCU



Driver

Terminal Bloks
3.81mm 2P, 6P and 8P



12VDC Power Adapter



Controller Board



HDMI Cable



3G Antenna



LVDS Cable





USB WIFI
Adapter




Controller Driver Cable



Back Light Cable

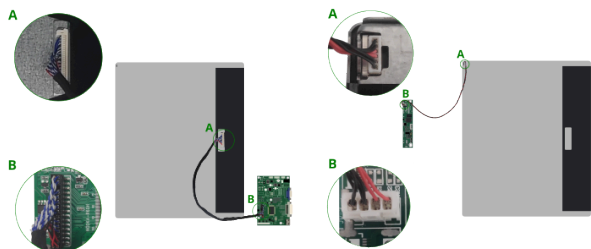
 www.nayarsystems.com
 support@nayarsystems.com



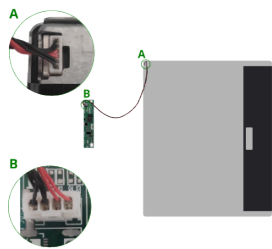
 www.nayarsystems.com
 support@nayarsystems.com



1°



2°



5°



6°

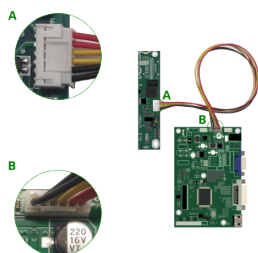
Check the connections



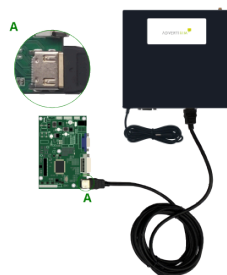
Front



3°



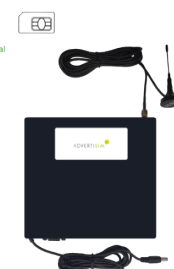
4°



7°



SIM Optional



TCU 22

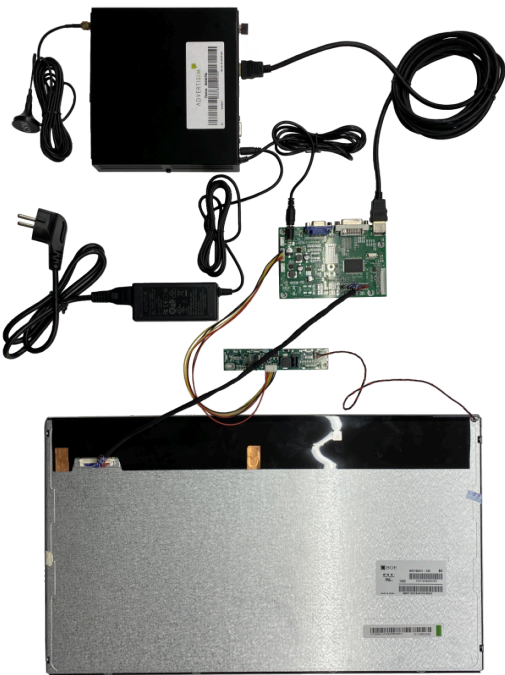
 NAYAR SYSTEMS



MODEL TCU 22

 NAYAR SYSTEMS



MODEL TCU 22

Components



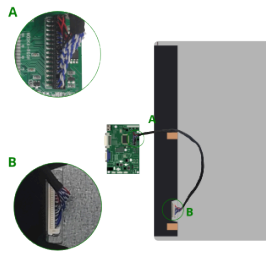
 www.nayarsystems.com
 support@nayarsystems.com



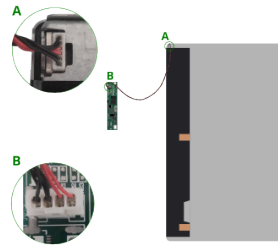
 www.nayarsystems.com
 support@nayarsystems.com



1°



2°



5°



6°

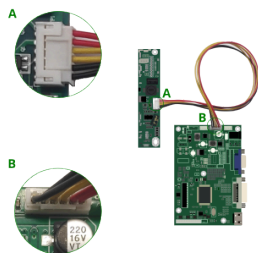
Check the connections



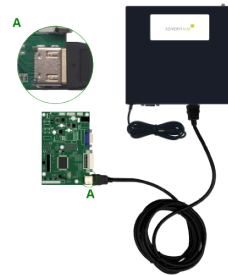
Front



3°



4°



7°



SIM Optional



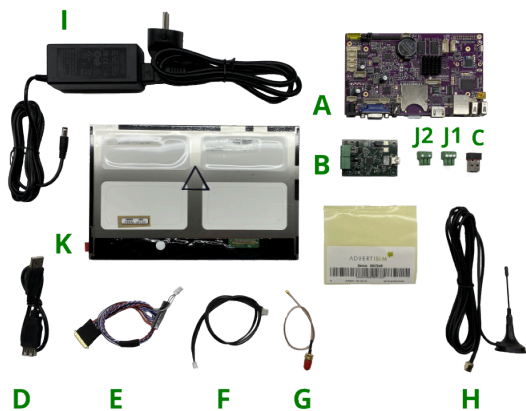
4.3. ADV

ADV 10 CAN

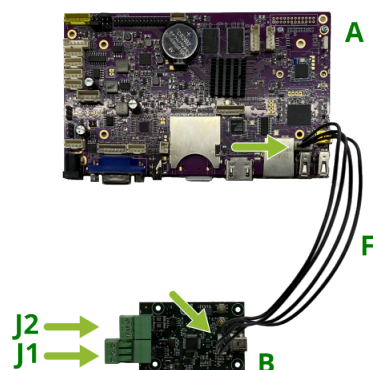
NAYAR

MODEL ADV 10 CAN

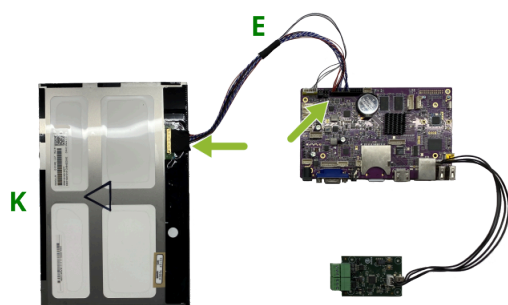
1°



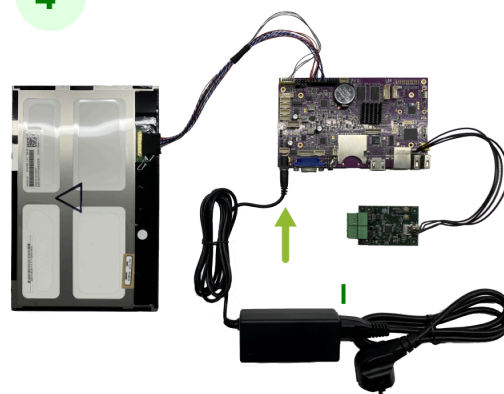
2°



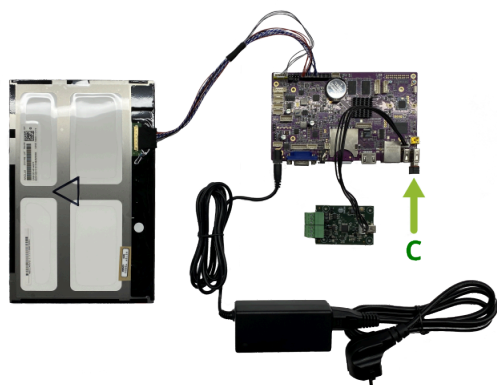
3°



4°



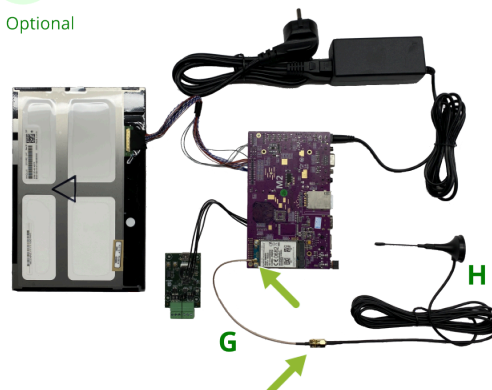
5°



i



SIM Optional



MANUAL



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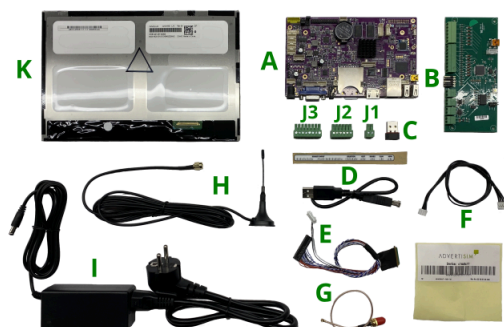
support@nayarsystems.com

ADV 10 BIN

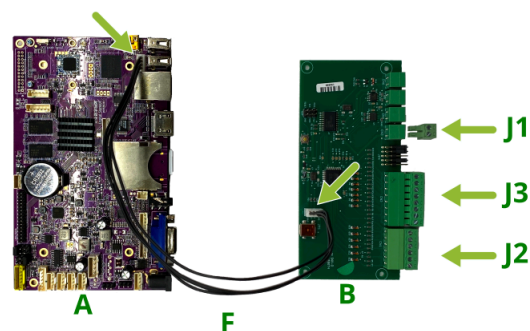
NAYAR

MODEL ADV 10 BIN

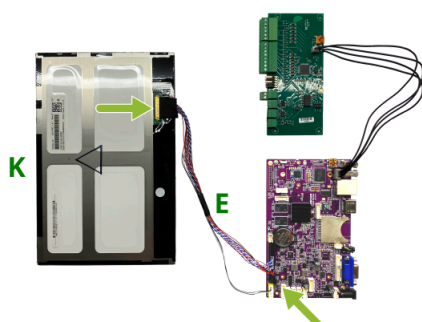
1°



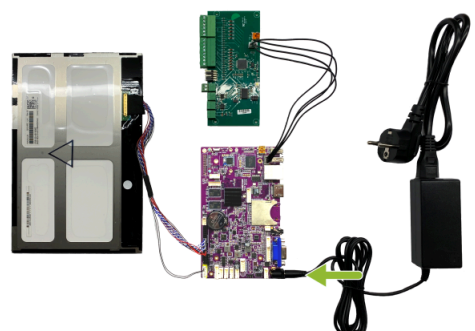
2°



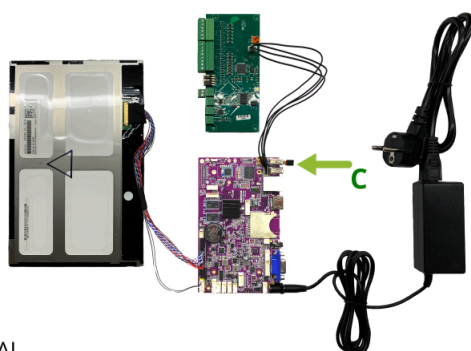
3°



4°



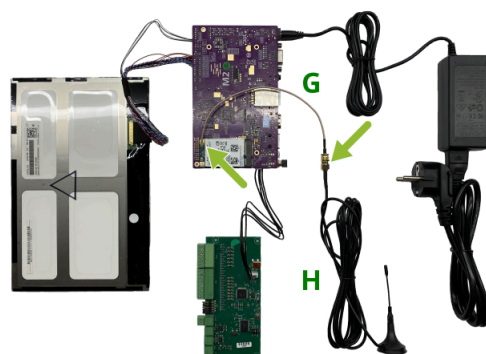
5°



i



SIM Optional



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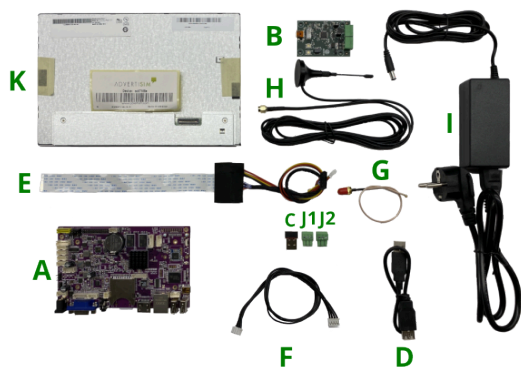
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ADV 10 HB CAN

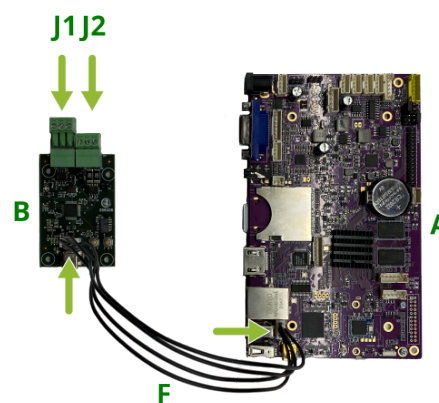
NAYAR

MODEL ADV 10HB CAN

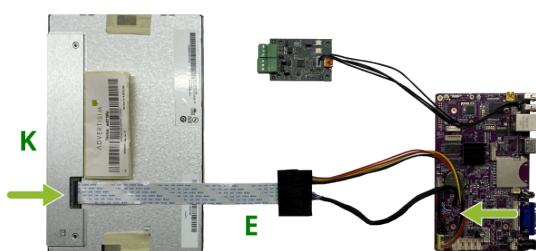
1°



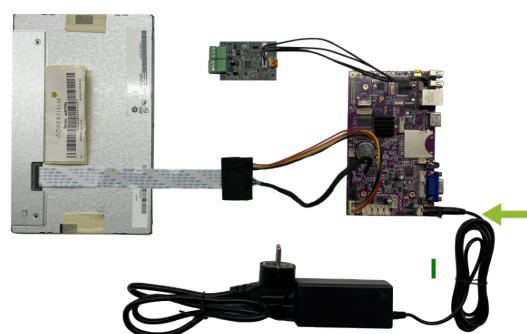
2°



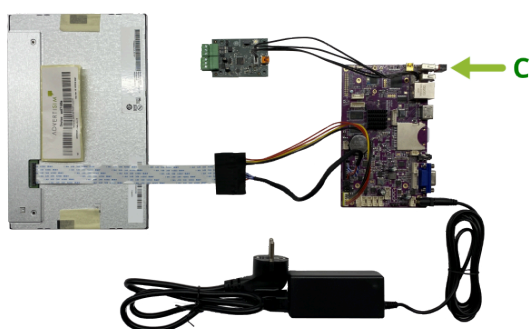
3°



4°



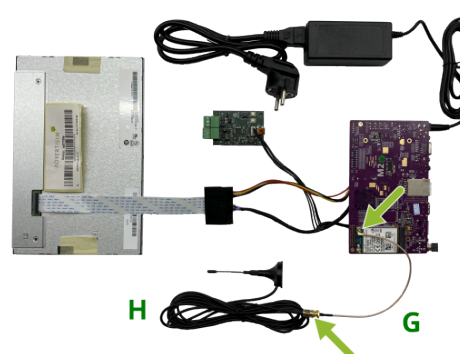
5°



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ADV 15 CAN

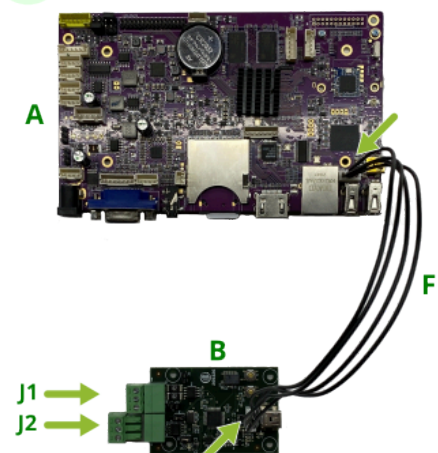
NAYAR

MODEL ADV 15 CAN

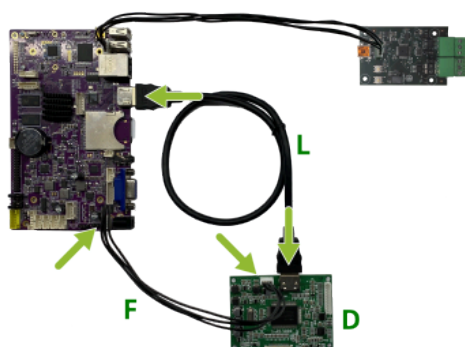
1°



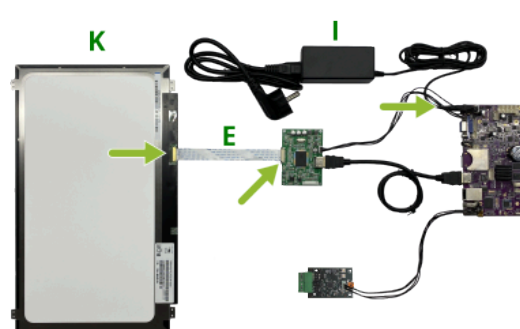
2°



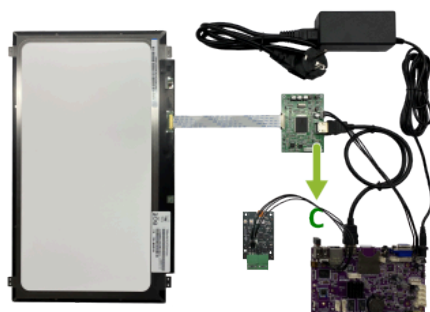
3°



4°



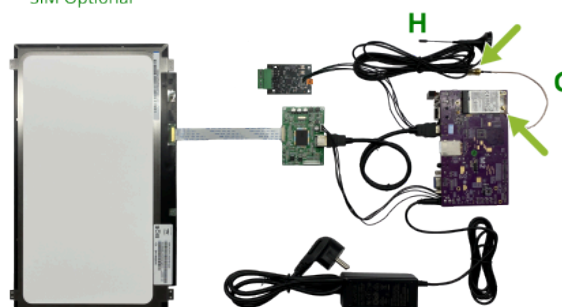
5°



i



SIM Optional



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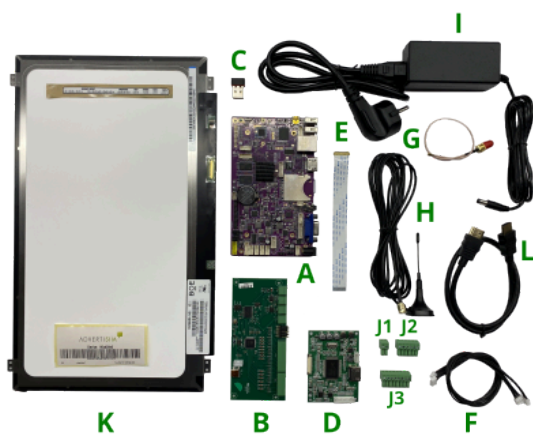
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ADV 15 BIN

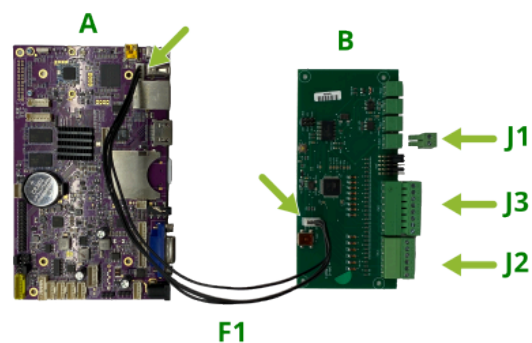
NAYAR

MODEL ADV 15 BIN

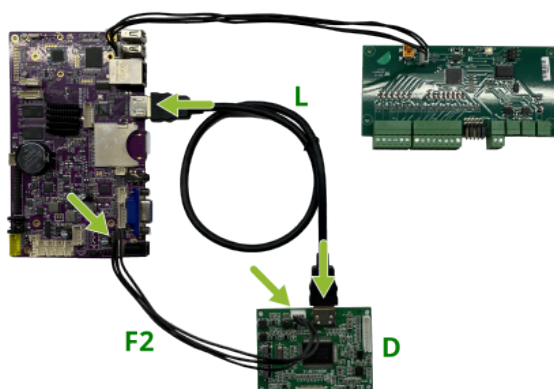
1°



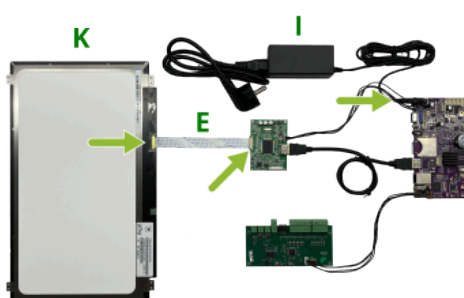
2°



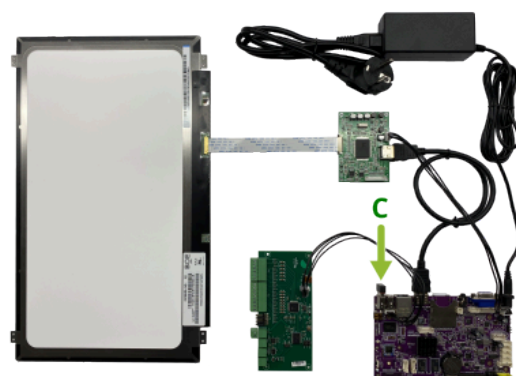
3°



4°



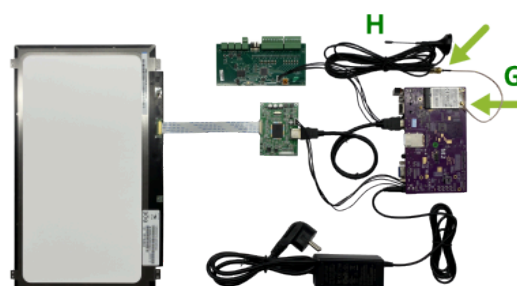
5°



i



SIM Optional



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4.4. Autonomous kit

1

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Kit autonome / Autonomous kit

OPTION A

EMERGENCY INPUT

SELECTOR

OUT

RS485

CAN

RS485

UP

DOWN

+5VDC

2

Controller manufacturer

Generic

Controller model

Autonomous

3

NAYAR

Kit autonome / Autonomous kit

OPTION B

EMERGENCY INPUT

SELECTOR

OUT

RS485

CAN

RS485

UP

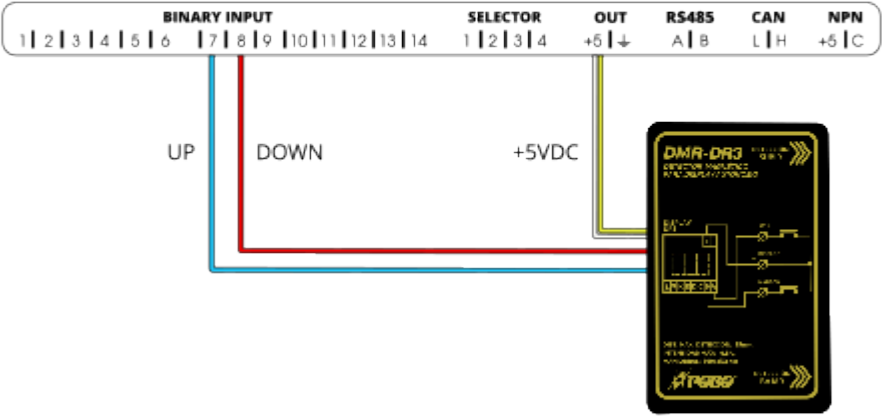
DOWN

+5VDC

NAYAR

Kit autónomo / Autonomous kit

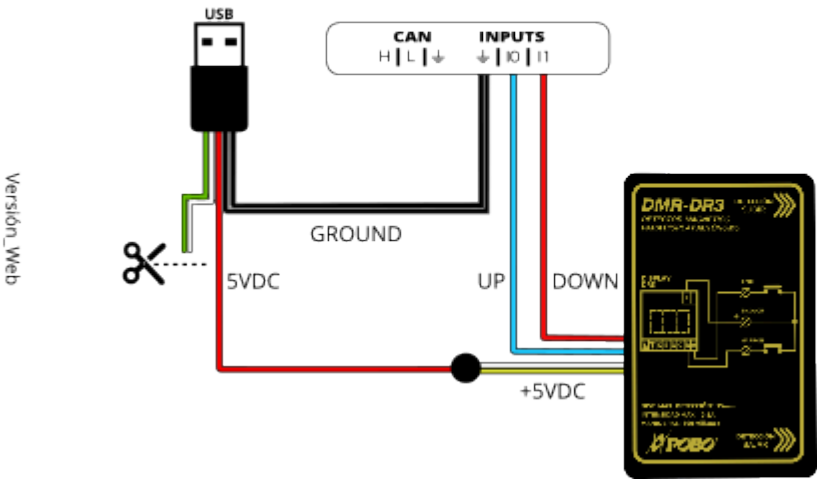
OPTION A



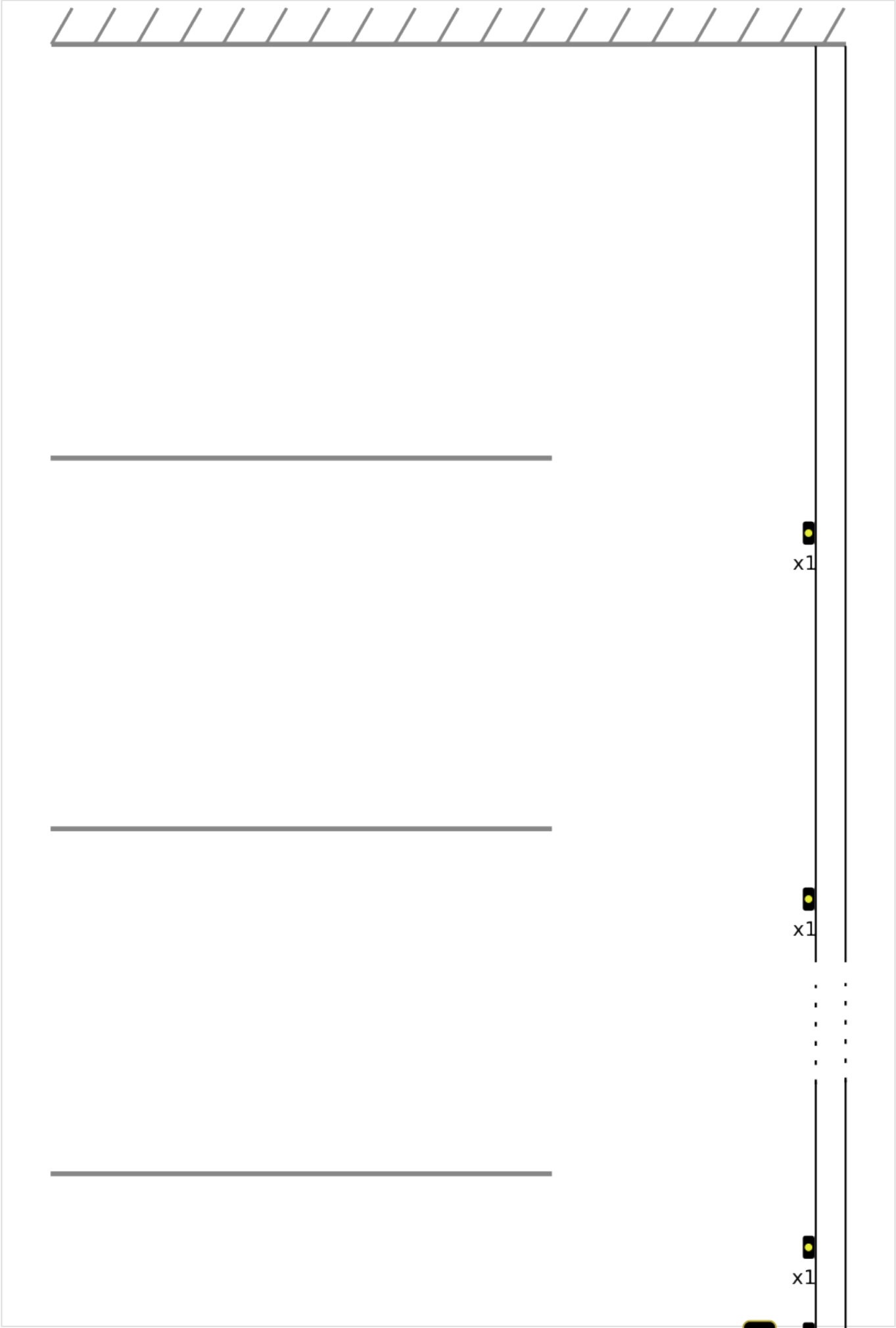
NAYAR

Kit autónomo / Autonomous kit

OPTION B



Version_Web



x1

x1

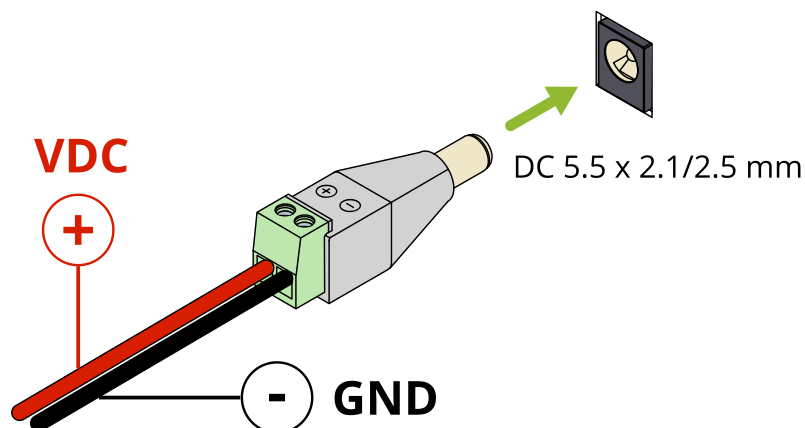
x1

x2

x2


x2

4.5. DC Connector

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DC Connector


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☎ +34 964 066 995

ADVERTISIM	12VDC
 <small>GSM SMART ROUTER</small>	18 - 24VDC
GSR Lite	12VDC
Switch	5 - 16VDC* 6 - 30VDC

***Ver el voltaje en la etiqueta del dispositivo**
 Check the voltage at the label of the device

5. 5. FAQ

THE DEVICE DOES NOT DISPLAY FLOOR LEVELS CORRECTLY

Verify that you have introduced all required information to configure the device on **Advertisim Manager**. To visualize correctly the elevator information you have to indicate the controller manufacturer and model (type of connection) on. For more information see **Advertisim Manager Manual**.

THE DEVICE RESTARTS CONSTANTLY

If your Advertisim device restarts automatically it is possible that the 3G/WiFi network signal is low. Change the location of the **antenna** to a higher level and distance it from any power sources (ex. elevator hose).



For any other questions, you can contact our technical support service via email support@advertisim.com