

# **CARGO FLOOR®**

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REMOTE CONTROL SET  
PARTS NO. [6104008](#)

Cargo Floor B.V.

World's leading manufacturer and supplier of horizontal loading- and unloading transport conveyor systems.

We would like to introduce to you the right operation of the Cargo Floor remote control with the help of the following data and we also want to point out to you the steps that you can take to solve malfunctions.

Please read - and follow - our instructions carefully so that the Cargo Floor remote control will give you reliable and trouble free service for many years.

If the Cargo Floor remote control does not operate at all (or properly) after following the instructions, please do not hesitate to contact your nearest agent, who will with no doubt assist you in solving the problem.

Please pay particular attention to the contents of the “Important recommendations and guidelines” and “important instructions”.

The measurements given in this instruction start with the metric system after which between brackets [0] the imperial measurement is mentioned.

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**IMPORTANT RECOMMENDATIONS AND GUIDELINES FOR THE COMMISSIONING**

Before putting the Cargo Floor loading and unloading system into operation, follow the recommendations provided below and check the specified checkpoints to avoid damage to the Cargo Floor system and the vehicle. Please review the important instructions before operating the Cargo Floor moving floor system and loading cargo into the vehicle. Likewise, before loading cargo, check the operation of the various control switches/valves to familiarise yourself with how the system works. We strongly recommend that you perform these checks when picking up the vehicle from the dealer so that your skilled supplier can answer your questions and provide you with any necessary advice or guidance you may require.

**Important:**

- Always check that the selected loading or unloading direction is actually activated and occurring!!
- If the system fails to start, turn off the Cargo Floor conveyor transport system and the hydraulic pump and follow the recommendations and guidelines provided below. Do not repeatedly try to start the system as this may result in damage to your Cargo Floor system and/or vehicle.
- After use, turn off the Cargo Floor system and hydraulic pump. Set switches to the "0" position and the lever in neutral.

In case of doubt or uncertainty about these recommendations and guidelines, always contact your dealer or an official workshop.

The Cargo Floor system comes standard with an user manual, but if this has not been supplied, please contact your dealer or download it from the official Cargo Floor website: [www.cargofloor.com](http://www.cargofloor.com)

- A) Always open the vehicle's doors before turning on the hydraulic pump. Note! Build-up of pressure against the doors can open them with force. Also some of the cargo can fall out of the vehicle by itself after opening the doors, therefore KEEP CLEAR AT ALL TIMES, product could fall on top of you! Both could result in damages and/or injuries! It is always advisable to use the pneumatic door lock, if provided.
- B) 1. Check that the vehicle's (quick-detachable) couplings are properly connected to the P (Pressure line) and the T (tank/return line). Also check that the couplings are fully tightened or slid completely into each other.  
**IMPORTANT: the pressure and return line connectors may not be reversed or exchanged to prevent dirt or water from entering the lines when connecting them!**  
2. Before connecting, check that the non-return valves can open easily (check: the non-return valves should open easily when pressed with the finger, if not, potential pressure build-up in the hydraulic lines may be preventing the system from starting).  
NOTE: Incorrectly connected or unopened hydraulic couplings will cause serious damage to the Cargo Floor system and the vehicle.
- C) The vehicle (pump) must be fitted with a pressure relief valve that is set at the maximum pressure according to the system, see the technical specs. If fitted, check that the dual-function lever (function: tipper/Cargo Floor) is in the Cargo Floor position. Pressure may not exceed the maximum adjusted and allowable operating pressure of the Cargo Floor moving floor system. An incorrectly adjusted pressure relief valve can cause damage to the Cargo Floor system and the vehicle.
- D) During operation, the (hand)brake of the vehicle must always be applied. You must, however, move the vehicle forward on time to unload it quickly in order to prevent unnecessary strain and wear to the floor and the vehicle.
- E) Use of a wireless remote control is permitted only if it is fully tested before the start of each loading or unloading operation. Always check if the function you have selected is actually activated and taking place. If, for example, you have accidentally pressed the load function when you actually meant to press the unload function, irreversible damage may occur to the Cargo Floor system and the vehicle.
- F) During operation of the Cargo Floor conveyor system, all existing STOP and control knobs/levers must be freely accessible.
- G) The pressure filter element needs to be replaced at least once a year. If the couplings between the vehicle and the Cargo Floor system are regularly removed, it is advisable to check the pressure filter for dirt build-up and replace the pressure filter element more often, if necessary. If provided, also check the return filter (not supplied with the Cargo Floor). Failure to replace a filter element on time may cause damage to or malfunctions in the Cargo Floor system and the vehicle.

- H) Moving parts must be shielded. Always maintain at least 10 meter [30'] distance from the Cargo Floor system when it is in operation.
- I) In the event of malfunctions/maintenance work, you may approach the Cargo Floor conveyor system only if all equipment, including the hydraulic pump, have been shut off, and the Cargo Floor system and the electro-hydraulic aggregate have been disconnected from the power supply and pump.
- J) Regularly check and, if necessary, tighten any loose bolts that secure the aluminium floor profiles to the Cargo Floor system. All such checks can simply be performed inside the vehicle itself by qualified personnel. The Cargo Floor conveyor transport system must, however, be turned on in unloaded condition and the person performing the check must place his finger half on the floor profile and half on the bolt. There should be no appreciable movement/space between the floor profile and bolt. Failure to check these bolts may lead to damage to the Cargo Floor system. During this check, a second person must also be present to switch off the Cargo Floor system.
- K) Check that the minimum required amount of oil is present 150 liter [40 US gallon]. Too little oil in the hydraulic tank will cause damage to both the pump and the Cargo Floor system.
- L) Do not allow the number of strokes to exceed the maximum allowable 16 power strokes per minute. Only a CF500 SLC Power Speed Cargo Floor system may deliver up to 23 beats per minute. A higher number of power strokes can cause damage to the Cargo Floor moving floor system and the vehicle.
- M) Hydraulic lines, couplings and hoses with very small diameters will cause damage.
- N) If the Cargo Floor moving floor system fails to start or operates incorrectly, the Cargo Floor system and the hydraulic pump must be shut down immediately. Subsequently, check all the checkpoints before switching the pump and the Cargo Floor system back on. To prevent the oil from overheating, regularly check the oil temperature by CAREFULLY and CAUTIOUSLY touching the line and or oil tank. If either is too hot to the touch, stop touching them right away. **WARNING: TOUCHING OVERHEATED OIL AND COMPONENTS CAN CAUSE BURNS!**
- O) The cause of failure or malfunctioning of the Cargo Floor system may also be due to other hydraulic components that may or may not be connected to the same hydraulic circuit of the Cargo Floor system.
- P) Jamming of the floor profiles caused by the transport of abnormal loads and or the freezing of the floor or of the product to the floor may result in damage to the Cargo Floor system and the vehicle. Recommendation: in the event of freezing, stop the system and try to find a hall (heated area) to allow the product to thaw.
- Q) Because the electrical power supply of the Cargo Floor system is often connected to the lighting circuit of the vehicle, it is advisable to turn on the lighting throughout the operation of the system.
- R) Maintenance and repairs to the Cargo Floor system may be only performed by qualified personnel. Use only original Cargo Floor components to ensure maximum reliability and long service life.
- S) Maximum cargo weight is subject to the limits set by law and applicable regulations. Even if the system can transport heavier loads, the law determines the maximum limit. Excessively heavy cargo can cause damage to the Cargo Floor transport system and the vehicle.
- T) Check that the correct type and quality of hydraulic oil is used. The use of incorrect oil type may cause damage to the Cargo Floor system and the pump.
- U) Check the vehicle for correct voltage. Make sure there are no open electrical connections. A faulty electrical system can cause damage to the Cargo Floor conveyor system and the vehicle.
- V) Check that the bulkhead, if present, is functioning smoothly and properly. A properly functioning bulkhead ensures that the product is unloaded in a clean and quick fashion. A malfunctioning bulkhead may extend the unloading time and cause damage to the vehicle.
- W) Use of the Cargo Floor system by unqualified personnel can cause damage to the Cargo Floor system and the vehicle.
- X) Excessively high oil temperatures will cause damage to the Cargo Floor system and other hydraulic components, such as the pump.
- Y) It is at all times advisable to stop the Cargo Floor system when all the piston rods are retracted. This is usually the case when the floor profiles are positioned towards the unloading end (vehicle doors). Unretracted piston rods may cause damage to the Cargo Floor system.

- Z) To prevent damage to the floor profiles, exercise caution and limit the dump height as much as possible. The transport of unauthorised goods, such as aggressive, corrosive, hot, hard, sharp and viscous materials may cause damage to the Cargo Floor system and the vehicle. Avoid loading and unloading sharp objects. Loads that are softer than the hardness of the floor profiles will extend the service life of your system; if in doubt, use a protective cloth or consult your dealer.
- AA) Forklift trafficable. In principle, the floors are completely trafficable and can be driven over by forklifts, but always consult your dealer for advice on the maximum loads allowed on your vehicle. Overloading will cause damage to the Cargo Floor moving floor system and the vehicle.
- BB) Always return emergency control(s) to their original non-activated position after use.
- CC) During the operation of the system, test the temperature of the oil by touching the side of the tank. If the oil is so hot that you cannot continue to touch the tank, switch off the pump to allow the oil to cool off and determine what is causing the overheating. Stop loading or unloading if the oil is too hot, as this will irreversibly cause damage to the Cargo Floor system and the other hydraulic components.  
**WARNING: TOUCHING OVERHEATED OIL AND COMPONENTS CAN CAUSE BURNS AND INJURIES!**
- DD) During loading and unloading operations, the load should be spread to give an even weight distribution over the floor area, otherwise the load may stall. Tip: when transporting pallets, place softwood boards of 300 x 18 x 2350 mm. [12" x 0.75" x 92.5"] to distribute the pressure more evenly.
- EE) The constant pressing of the load against the head board or the doors can lead to extra wear of the complete system. Also the construction can be damaged. Please consult your supplier about the optimizing possibilities or in order to prevent problems occurring.
- FF) The user/operator/driver that is operating the Cargo Floor system is compelled to remain a safe distance from the Cargo Floor system at all times, from the time of switching on the hydraulic pump until turning it off. He should ensure that no dangerous situations can occur. When the process malfunctions or if other people are present he should shut down the Cargo Floor system, or hydraulic pump, immediately.
- GG) No unauthorized alterations/modifications/changes/adjustments may be made to any part of the Cargo Floor drive unit and system.

### WARRANTY

Warranty is subject to prior approval by Cargo Floor B.V.! To request warranty coverage, visit [www.cargofloor.com](http://www.cargofloor.com) to fill out and submit the warranty application form provided there; do not forget to include your Cargo Floor system number on the form.

### Emergency stop

In the event of an EMERGENCY, operation of the Cargo Floor moving floor system can be halted as follows:

- ◆ By pressing the red stop button on one of the control switches;
- ◆ By turning all switches to position "0";
- ◆ By putting the handle of the control valve in the middle "0" position (only B and A control);
- ◆ Turning off the PTO pump/engine;
- ◆ Turning off the main switch of the power supply;
- ◆ Turning off the motor of the electro-hydraulic aggregate.

This WARNING STICKER/DECAL is attached near the control cabinet.



### WIRELESS REMOTE CONTROL

#### Optional

A wireless remote control set is available as an option for the E- and B- operated system. This wireless remote control can be easily retrofitted in new and existing controls. A **set** is plug and play.

In the E-operated systems the wireless remote control replaces the CF8 wired remote control.

In the B-operated systems the wireless remote control replaces the CF4 wired remote control.

#### PRECHECK!

**BE CAREFUL: when starting the pump/pto the floor could start moving immediately!**



In certain configurations the functions can be different from the standard situation as described below. It is therefore very important to always test your configuration first without a load.

After use always return the controls to the non activated 0 position.

### SCOPE OF SUPPLY

Part no. [6104008](#): wireless remote control set loading/stop/unloading.

This set consists of:

[6104023](#) APP-receiver/3 functions. Incl. 4P plug and CAN bus (photo B)

[6104025](#) Remote control (CF TX) 3 functions (photo A)

Incl. USB charger 100-240VAC + car charger + charger cable (photo C, E, D)



## APP RECEIVER

The receiver has a connection cable with a 4P plug (X) for the Cargo Floor moving floor system. This plug fits into the 4P socket CF3 / CF7. If the plug is plugged in or the power supply is turned on, this will be indicated by both green led's (Y) shortly lighting up. When operating the transmitter and when switching on the function loading or unloading the corresponding led will light up. The CAN bus (Z) plug with blind lid should not be connected.



## REMOTE CONTROL (CF TX) TRANSMITTER

The transmitter has been equipped with bluetooth which has a very stable wireless connection and a low battery (power) use. The transmitter has a rechargeable battery that can be charged using the micro-USB socket 6. When fully charged the stand by time will be about 15-30 days. The transmitter has button lighting which will automatically switch on when the light starts to fade (**sensor 3**). When using the buttons, a bleep can be heard. Do not put the transmitter in your pocket in order to avoid unwanted operation of the system and battery drain.

### Switching the transmitter on or off

Turn the transmitter on by pressing button A for 2 seconds. The transmitter will automatically switch off after 45 minutes. The transmitter can be turned off by hand by pressing button C (stop) for 5 seconds.

### Loading and unloading with the transmitter

**Button A (loading).** By pressing this button, the system will load, releasing it the system will stop.

**Button B (unloading).** By pressing this button, the system will unload. By pressing it again the system will stop (or you press **button C stop**).

**Button C (stop).** This button stops the Cargo Floor system.

### The transmitters battery

The transmitter has a chargeable Lithium's polymers battery 750mAh.

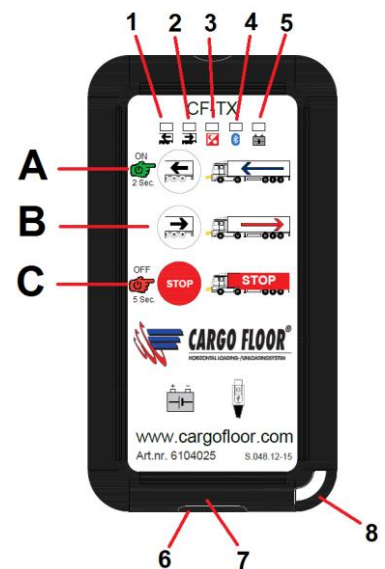
**LED 5** of the transmitter will give information on the battery status.

- Battery level is below 15%, the LED flashes 1x per second
- Battery level is below 10%, the LED flashes 2x per second
- Battery level is below 5%, the LED flashes 3 times per second

### Charging the battery

Plug the USB-connector of the micro-USB cable into the 110/220V charger or into the USB car charger 12/24V.

Transmitter: open lid 7 and plug the micro-plug of the USB cable into socket 6. If the battery is charging **led 5** will be lit, it will switch off when the battery is fully charged and the transmitter will indicate with a beep that the battery has been fully charged. Unplug the micro connector. In order to assure a good resistance against moist en prevent pollution, put back lid 7 into the transmitter after charging.



## PAIRING THE TRANSMITTER WITH A RECIEVER

The wireless remote control set is plug and play. The information below is only meant for the pairing or adding of transmitters and receivers that have not been supplied as a set.



**Read the following information carefully so pairing will go swiftly and fluently. If the break between steps of the pairing is to long it will automatically shut down. After the elaborate instructions a short guide follows. If the pairing does not go well the first time the steps can easily be repeated.**

The unique bluetooth signal of the transmitter can be connected to all receivers by pairing the transmitter to work with the reciever.

If you want to program a transmitter and pair it with a receiver, you do not need to program every function. The receiver has been specially made for the Cargo Floor function. This means that when the transmitter is paired all the functions work at once.

### STEPS

#### Step 1

Make sure that all transmitters within a range of 10 are switched off.

#### Step 2

Make sure that the reciever that needs to be paired is connected and has 24V power supply.

#### Step 3

Press buttons **A B C** of the transmitter at the same time for more than 3 seconds, until **led 5** start blinking.

#### Step 4

Press button **A** for more than a second, until **led 5** is continuously lit and **led 4** starts blinking.

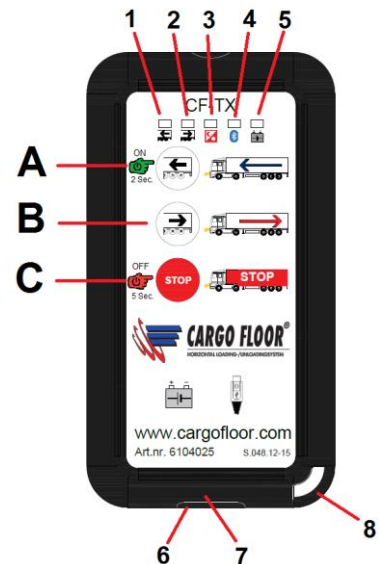
#### Step 5

Press button **B** for more than a second, until **led 4 and 5** start blinking.

#### Step 6

Press button **C** for more than a second, until **led 4 and 5** start blinking independently for no more than 20 seconds.

- If **led 4 and 5** no longer blink at the same time and **led 4** every second, then the pairing has been successful.
- If **led 4 and 5** blink at the same time for 5 seconds and at the end **led 4** not every second, then the pairing has failed and you will need to repeat the step starting from 1.



### Short guide

1. Press the three buttons at the same time (led 5 will start to blink)
2. Press button A (led 4 will start to blink)
3. Press button B (led 4 and 5 will start to blink at the same time)
4. Press button C (led 4 and 5 will blink by turns)
5. Wait until the blinking of led 4 and 5 stops.

If you need any further instructions, please contact Cargo Floor B.V.



**IMPORTANT INSTRUCTIONS**

- Prevent water and dirt getting into the plug when (de)mounting the plug.
- Check on the spot, after mounting, if the range of the transmitter is large enough to reach the receiver.
- Do not drop the hand held transmitter.
- Never use a high pressure cleaner on the electric components. So also do not use it on the Cargo Floor wireless remote control.
- For the most optimal reception of the receiver mounting it as far as possible at the outside is recommended. We strongly advise against mounting the receiver in a steel case.
- If the battery led of the transmitter starts blinking it is recommended to charge it as soon as possible.
- Prevent damages to the receiver. Therefore, do not use the plastic box, in which the receiver is mounted, as storage space.
- It is preferred that you carry the transmitter on a key cord. If the transmitter is put in to the trouser pocket it is possible that the function buttons are pressed and the Cargo Floor system is unwittingly operated.
- At all times remain in signal range of the receiver with your sender when you are loading or unloading.
- When a malfunction occurs in the electrical system the standard present emergency control can be used to activate the on / off functions. For further details regarding this see the user's manual you have received with you trailer. You can also download it at our website: [www.cargofloor.com](http://www.cargofloor.com).
- Regularly perform careful checks on the following aspects:
  - Damages to the casing;
  - Damages to the wiring of the plugs.

### TROUBLESHOOTING

If the Cargo Floor moving floor system fails to operate (in the correct manner) after meticulously having followed the operating instructions, then carry out the following checks:

Malfunction	Cause	Remedy
<b>Transmitter LED is not on.</b>	<ol style="list-style-type: none"> <li>1. The transmitter is turned off</li> <li>2. The batteries are empty</li> <li>3. The transmitter has not been programmed</li> </ol>	<ol style="list-style-type: none"> <li>1. Press button A for 2 seconds.</li> <li>2. Charge batteries</li> <li>3. Pair the transmitter with the receiver</li> </ol>
<b>The transmitter functions, but the receiver does not.</b>	<ol style="list-style-type: none"> <li>1. There is no power on the receiver</li> <li>2. The distance to the receiver is too large</li> <li>3. The plug is not connected correctly into the fixed switch</li> <li>4. Another transmitter has connection with the receiver</li> </ol>	<ol style="list-style-type: none"> <li>1. Switch on the lights of the trailer.</li> <li>2. Make sure that the receiver is in the range of the transmitter.</li> <li>3. Connect the plug correctly.</li> <li>4. Switch off the other transmitter</li> </ol>
<b>Transmitter and receiver function, but the system does not turn on.</b>	<ol style="list-style-type: none"> <li>1. Electric malfunction in the wiring from the remote control to the cartridge and solenoid.</li> <li>2. A hydraulic malfunction</li> </ol>	<ol style="list-style-type: none"> <li>1. If this is the case the system operates on the emergency control. (See your standard user's manual.) Check if the wiring or the function of the cartridge and solenoid.</li> <li>2. The system does not respond to the emergency control. For solutions see your standard user's manual.</li> </ol>

### CONTACT DATA

**Postal and visiting address:**

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 7741 MK Coevorden  
 The Netherlands

Phone number: +31 524 593 900  
 E-mail: [info@cargofloor.com](mailto:info@cargofloor.com)  
 Website: [www.cargofloor.com](http://www.cargofloor.com)

**Order spare parts:**

E-mail address: [sales2@cargofloor.nl](mailto:sales2@cargofloor.nl)  
 DID number: +31 524 593 922

**After Sales (technical questions and malfunctions)**

E-mail address: [as@cargofloor.com](mailto:as@cargofloor.com)  
 DID number: +31 524 593 981 / +31 524 593 991

Coevorden, The Netherlands

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