



Messagemaker MOBILE VMS Trailer User Guide

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Messagemaker MOBILE VMS Trailer

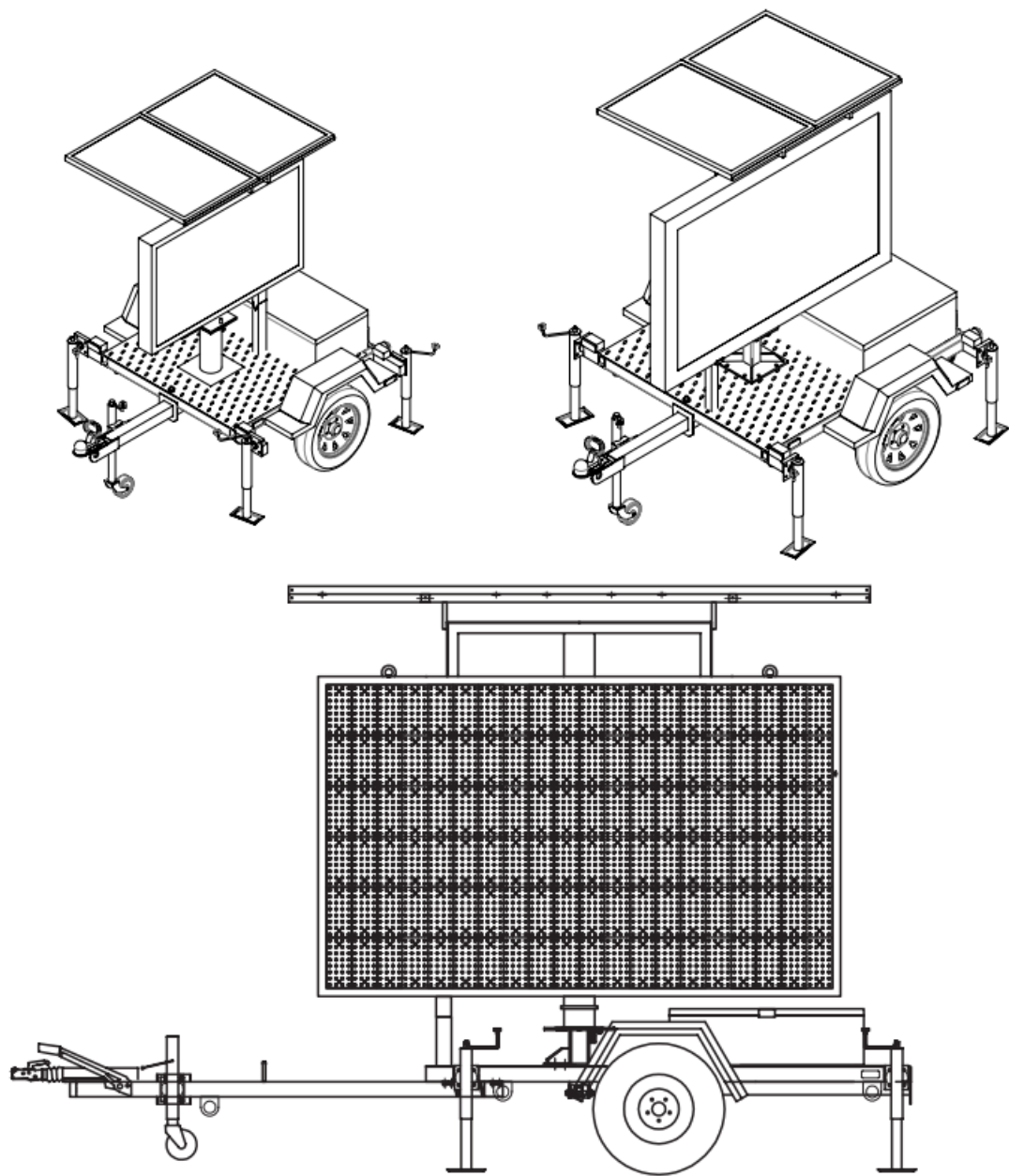


Product Information

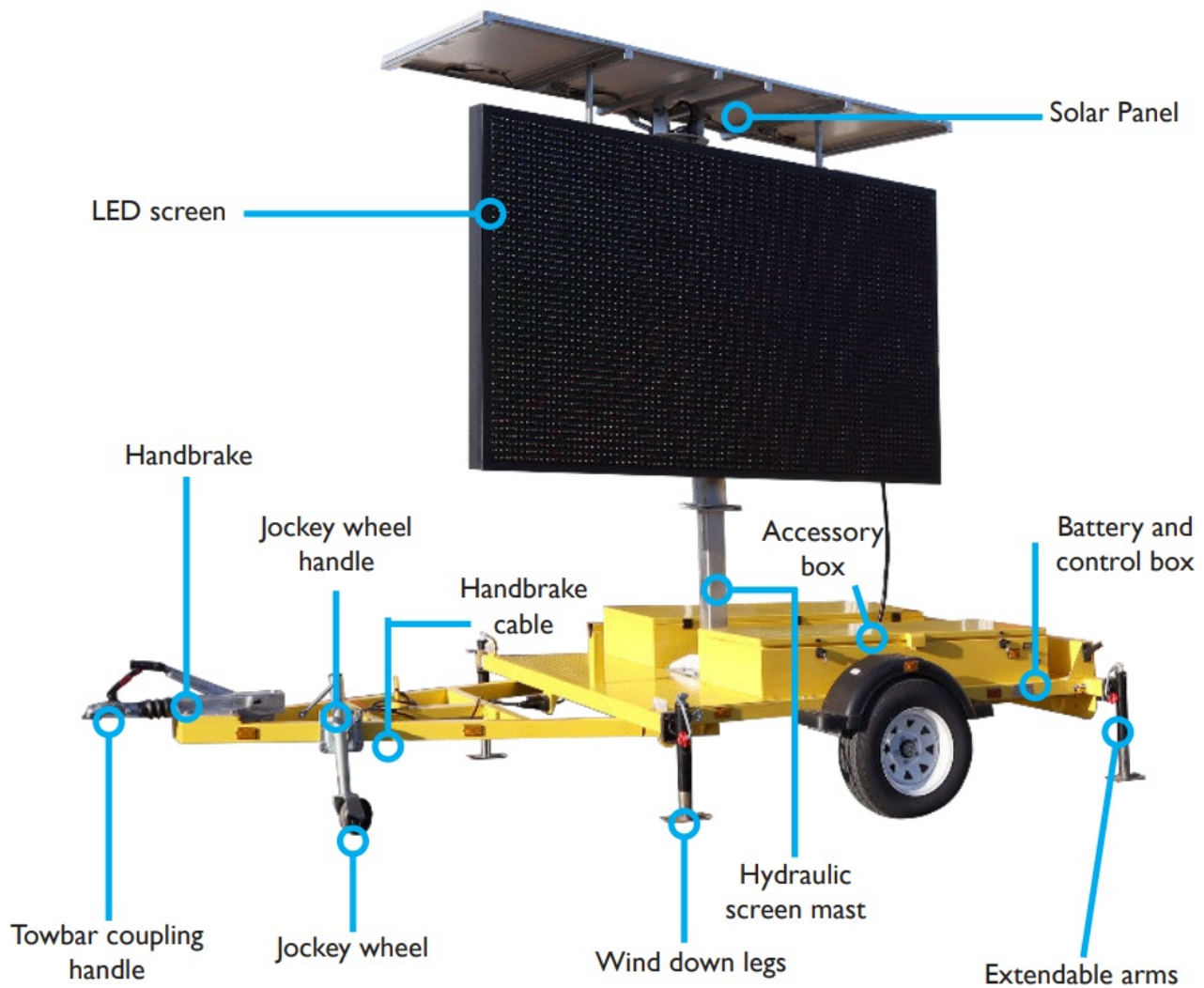
Specifications

- LED screen
- Solar Panel
- Handbrake
- Jockey wheel handle
- Handbrake cable
- Accessory box
- Battery and control box
- Towbar coupling handle
- Jockey wheel
- Hydraulic screen mast
- Wind down legs
- Extendable arms

Overview



TRAILER CONFIGURATION



DEPLOYMENT AND SET-UP

DEPLOYING YOUR VMS TRAILER

1. If using a compact or medium device, extend the draw-bar fully from the under chassis and use the locking mechanism to hold it in place.
Lock securely with pin to allow you to tow the trailer.
2. Lower the jockey wheel.



3. Once the jockey wheel is retracted, the drawbar coupling will slot in the towbar and the couplings will engage fully from an unlocked to a locked position automatically.



Note: Large Trailer Devices

If deploying a large trailer, use the non-retractable towbar. You will not need to manually lock your device in place.

4. When deploying the unit, undo the trailer cable and store under the shelf in the VMS control box.



5. When deploying, undo the chain, extend the jockey wheel fully and unlock the coupling handle which disengages the trailer from the vehicle's tow bar.



6. Extend the 4 outertrigger arm bars if required, then lower the 4 wind-down legs.



6.

7. Rotate and tilt the solar panel to face true south. Unlock the red handle on the mast to rotate the panel, then unlock the red clips either side to tilt using the lever in the control box.



7.

8. Rotate the sign head to face oncoming traffic and extend to the required height.
To adjust the height use the hydraulic controls in the control box in the trailer base. If you have a compact device, this will be done with a manual winch.



8.

POWERING THE SIGN ON

To power on, turn the switch inside the control cabinet, then you will be able to communicate to the sign using the Remote Connect System (RCS) software.

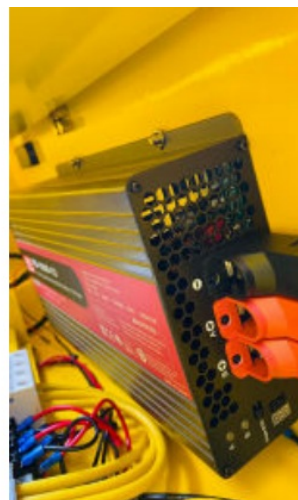


BATTERY AND CHARGER

- For large trailers, there will be a battery charger located in the trailer base for mains charging. For compact and medium devices this will be an additional item.
- To charge the batteries on medium and compact devices, plug the power cable into 240V Mains power.
- It takes about 15 hours to fully charge the batteries from a minimum acceptable charge level.



Battery box (large trailer)



Battery charger
(large trailer)

FUEL CELL CHARGING

If your unit utilises a fuel cell, this will keep the battery permanently float/trickle charged. The fuel cell will maintain the battery charge at all times.

For example, if a 12V battery falls to 11.9V the fuel cell will bring this back up to 12V instantly. A solar panel will

also keep the battery levels topped up.



Fuel cell (large trailer)

SIGN TRANSPORT AND REMOVAL CHECKLIST

Please follow the below guidelines when preparing to transport your VMS trailer, as failure to follow procedure can cause serious injury or death if the sign becomes loose in transit.

- Ensure the door is locked during transportation.
- Lower the Sign Head using the Hoist Down switch on the VMS Control Panel in the trailer base (use manual winch if using a compact device).
- Ensure the sign is blank when towed – turn off all messages. This can be done by turning the screen off from RCS and ensuring the switches in the control box are off.
- Ensure the sign is fully lowered into the groove on the trailer base before transportation.
- Rotate and lower the solar panel back into the park position and lock with the arms provided.
- Retract the wind down legs and slide in the outriggers on all four sides. Ensure the legs are fully retracted, using the spring clip when transporting.
- Pull the safety clip and rotate the wind-down legs upside down, ensuring the safety clip goes back in to lock the wind-down leg in the upwards position.
- Use the Jockey wheel to lower the tow coupling onto the tow ball. Ensure the tow coupling fits snugly onto the tow ball of the towing vehicle. Attach the safety chain onto the tow/draw bar.
- Wind up the Jockey wheel, ensuring it will not move once in the towing position.
- If the unit has one, release the handbrake if still engaged.
- Plug the tow cable into the plug on the trailer and the towing vehicle. Check the trailer lights are functioning correctly.

- Attach the handbrake cable or chain to the tow bar fixings on the vehicle.
- Ensure the screen has been powered off.



***Spring clip for retracting legs**

MAINTENANCE ACCESS

For safety purposes, any maintenance on a VMS Trailer unit must only be performed by a qualified electrician

Cleaning Your VMS Unit

The displays should not be cleaned unless discolouration (from trees, traffic film, road dust) is excessive. The textured paint finish has strong anti-reflective properties and can be affected by excessive cleaning.

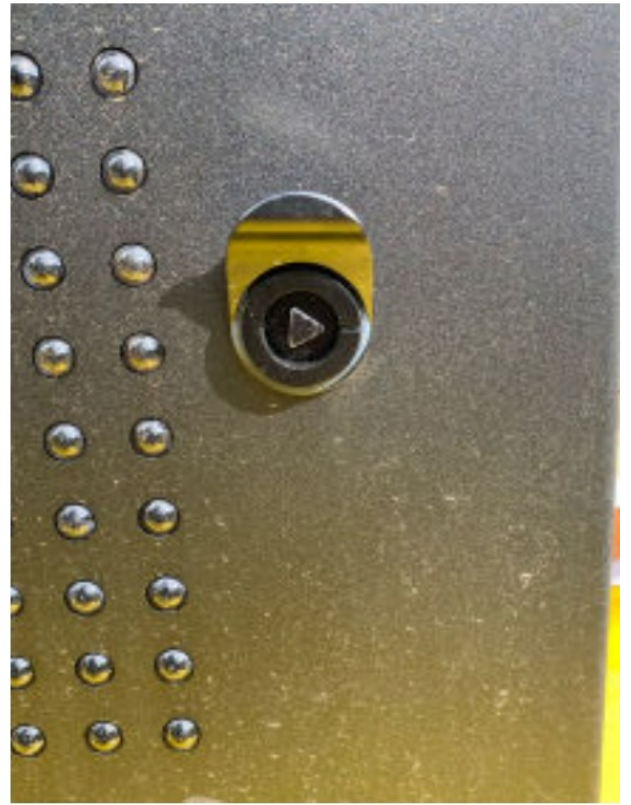
If cleaning is required a light soapy cleaning agent can be used with either soft cloth or soft bristled brush and gentle wiping. It is essential that no excessive rubbing occurs otherwise paint finish can lose anti reflective properties.

COMPACT AND MEDIUM TRAILERS

For inside access to a compact or medium sign for maintenance, use the key provided to unlock each lock located on the outer perimeter of the sign, then pull the sign door upwards.

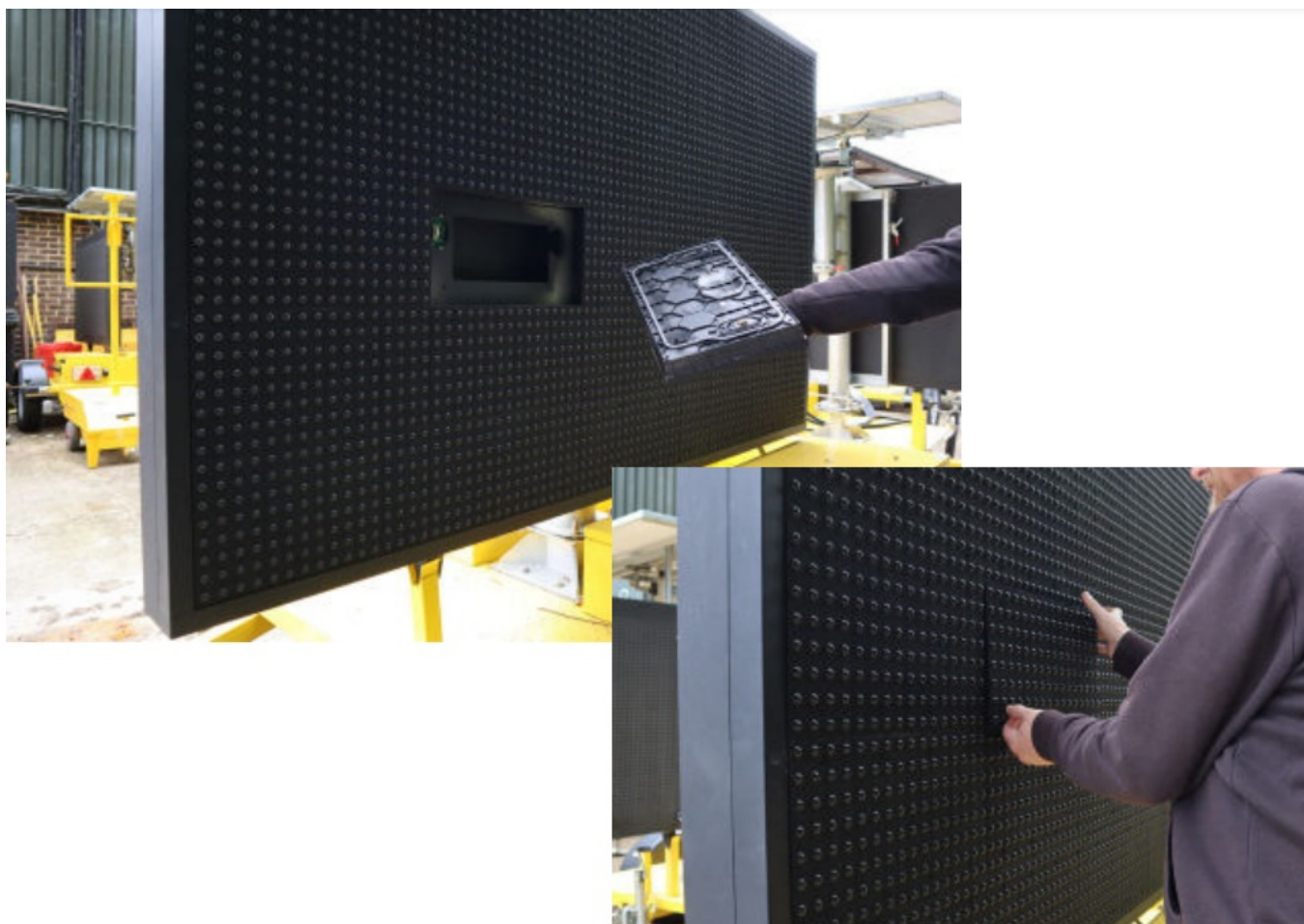
Once finished, ensure door is closed and all locks are locked again using the key.

Ensure the door is locked during transportation.



LARGE TRAILERS

Large trailer devices do not have a door to open, rather they are composed of individual tiles of LEDs that must be removed from the trailer by unscrewing the screws on the face of the sign.



To request technical support for issues with your VMS trailer, please contact us using the details below.

ADDRESS:	Messagemaker Displays, 43 Ormside Way, Redhill, Surrey, RH1 2LG
TELEPHONE:	01737 774738
EMAIL:	support@messagemaker.co.uk
WEBSITE:	www.messagemaker.co.uk

CLAUSE FOR LIABILITY

WARRANTY

1. The warranty contained in this Condition 12 shall apply only where the Client is not in breach of his own obligations under the Contract.
2. Messagemaker undertakes to replace or at its option repair any Goods to be defective due to faults in workmanship or material within a period of 12 months for all products other than the Vehicle Activated Speed Sign range which is a period of 5 years, from the date of delivery provided always that:
3. The Client submits a written claim to Messagemaker within 5 days of the date of delivery.
4. The Goods have been properly stored, cared for, used and maintained and have not been subjected to any actual or attempted alteration, modification or repair and
5. The Goods are returned to Messagemaker, carriage pre-paid at the risk of the Client and properly packaged as

failure to properly package the Goods may result in their being damaged in transit. Messagemaker may reject warranty claims where Goods are returned improperly packaged.

6. In the case of Goods or parts which are found to be defective but which have not been manufactured by Messagemaker the Client shall be entitled so far as possible to the benefit of any guarantees given by the manufacturers details of which will be provided to the Client on request.
7. The Client is solely responsible for ensuring the Goods ordered are reasonably fit for purpose.
8. The liability of Messagemaker under this Condition 12 shall be instead of and to the exclusion of any warranty or condition implied by law as to quality or fitness for purpose of the Goods and except as provided by this Condition Messagemaker shall not be under any liability, whether in contract or tort or otherwise, in respect of defects in the Goods.

SUPPORT CONTACT DETAILS

- support@messagemaker.co.uk
- sales@messagemaker.co.uk
- Tel. 01737 774747
- www.messagemaker.co.uk

FAQ

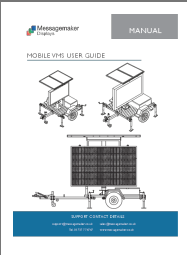
Q: How long does it take to fully charge the batteries on a medium or compact VMS device?

A: It takes about 15 hours to fully charge the batteries from a minimum acceptable charge level by plugging into 240V Mains power.

Q: How do I rotate and tilt the solar panel on the VMS trailer?

A: Unlock the red handle on the mast to rotate the panel, then unlock the red clips either side to tilt using the lever in the control box.

Documents / Resources

	Messagemaker MOBILE VMS Trailer [pdf] User Guide MOBILE VMS Trailer, MOBILE VMS, Trailer
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References

- [LED Highways Signs | Messagemaker Displays](#)
- [User Manual](#)

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