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ISO 9001:2015 Quality Management FM 661078

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The RMS Universal
Remote Control Mount
FITTING GUIDELINES

IMPORTANT NOTES

- For safety, correct operation and user comfort, a suitably qualified person should carry out the initial installation and adjustment of this device.
- Whilst Figs. 1, 2 & 3 show a typical Universal "Chin" Control Mount installation, the method and position of attachment may vary according to the make and model of wheelchair and the individual user's control type and positioning requirements.
- It is recommended, that prior to commencing the installation, a little time is spent with the user seated in their wheelchair, experimenting to locate the most secure and convenient attachment point to suit the user's requirements. As it will not always be possible to fit this device to the wheelchair backrest, several multi-positional features have been incorporated into its design, that will enable fitment to a number of locations on the wheelchair, (i.e. Backrest Frame, Sidearm Frame, Seat Frame or even Footrest Hanger) See Figs. 1, 2, 4 & 5.
- Prior to installation, please check that you have the correct size double clamps for use on the chosen attachment location. One side of the clamps will suit the 19mm diameter of the Rotation Plate mounting tube, the other side should suit the frame diameter where the Mounting Frame is to be attached. (19mm to 22mm clamps are supplied as standard).

Fig. 1

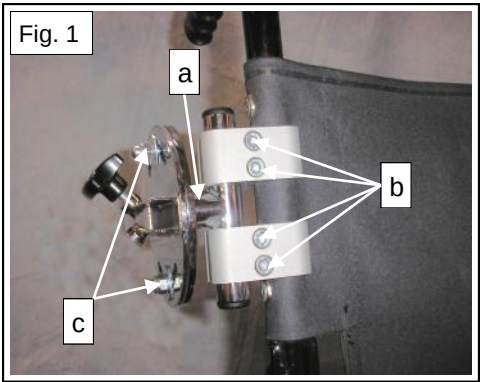
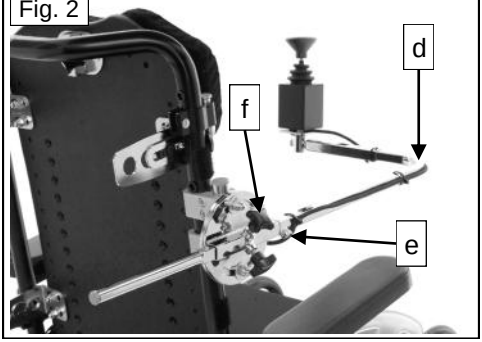


Fig. 2



- Where a wrap-around Backrest Canvas is in use on a 22mm diameter Backrest Frame, the standard 19/22mm clamps should tighten sufficiently over the canvas to secure the device.
- It may also be necessary in some cases, to use an additional interface plate to attach a Controller to either of the standard 50mm or 70mm multi-holed Swivel Mounting Plates available for this device. This will depend on the type of Chin / Remote Controller to be used.

TOOLS REQUIRED:

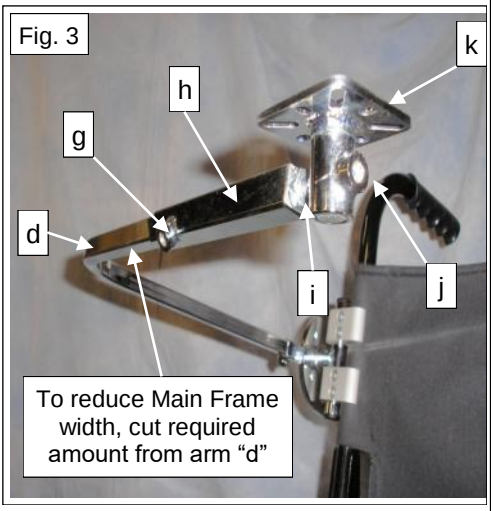
1 each - 3mm and 5mm Hexagon Keys. 1 each - 10mm and 13mm Spanners.
1 x Hacksaw? 1 x Flat Metal File? Plus: Any other tools required, for attaching the Chin or Remote Controller to the Swivel Mounting Plate and a quantity of small cable ties.

INSTALLATION NOTES:

- To assist with initial positioning of the Chin / Remote Controller, it is recommended that, prior to commencing installation, the approximate final Controller position should be noted with the user seated in the wheelchair. (It may then assist the installation, if the user is removed from the wheelchair. The final adjustments can then be made at a later stage, with the user re-seated).
- To achieve the correct transverse position for the Chin or Remote Control Mounting Plate **(k)** Fig.3, it may be necessary for the installer to remove an appropriate amount from the end of the Main Frame **(d)** Fig.3, by use of a hacksaw.
- The standard Chin Control Swivel Plate **(k)** Fig.3 is 50mm square, a 70mm square plate is also available if required. (Please contact our Technical Department.)
- Prior to commencing the installation, to the selected mounting position, please ensure the cable fitted to the Chin or Remote Controller is long enough to reach the main Power Control Module. Taking into account safe routing of the cable around the Mounting Frame and then onward to the main Power Control Module.

FITTING: Position 1

- Using the double clamps provided, attach the Rotation Mounting Plate Assembly **(a)** Fig.1 to a suitable area on the backrest frame and tighten all clamping screws **(b)** Fig.1 sufficient to maintain the assembly's position, but still allowing it to be moved for final adjustment.
- Insert Main Support Frame **(d)**, Fig.2, complete with Depth Adjustment Collar **(e),** into its receiver tube on the Rotation Plate, and temporarily secure using the tri-knob **(f),** (leave Depth Adjustment Collar loose at this stage.
- ***Should it be necessary to reduce the Main Frame width, slacken grub-screw **(g)** Fig.3 and slide Swivel Mount Extension Tube **(h)** off the Main Frame. Remove Main Frame from wheelchair and support if possible using a suitable vice. Trim required amount from Main Frame using a hacksaw, finally clearing any swarf before re-installing into Rotation Mount. ***



NOTE: The installer may wish to attach the Chin / Remote Controller to the Swivel Mounting Plate **(k)** Fig.3, at this stage whilst removed from the Main Frame.

- Re-install Swivel Mount Extension Tube **(h)** onto Main Frame **(d)** and set to the approximate transverse position. The approximate height of the Swivel Mount may be set by slackening the two M6 domed Nylock nuts **(c)** on the Rotation Plate assembly **(a)** Fig.1 and revolve the assembly to the required position. Re-tighten nuts sufficient to maintain the assembly's position.

NOTE: Further fine adjustment may be required when the user is re-seated in the wheelchair.

***If it was not necessary to remove the Swivel Mount Extension Tube from Main Frame as above, the Chin / Remote Controller should now be fitted to the Swivel Mounting Plate **(k)** Fig.3, utilising the appropriate holes available to suit the Controller. The installer may wish to remove the Swivel Mount Extension Tube assembly from the Main Frame for this operation.

NOTE: Any cables should not be permanently attached to the Mounting Frame at this stage, as further positioning adjustment of the controller may be required.

Either swing-over the Main Frame **(d)** Fig.2 by sliding forward until the round section can turn in the square receiver, or remove it completely from the Rotation Mounting Plate assembly **(a)** Fig.1, to allow the user to be re-seated.

ADJUSTMENT:

NOTE: The following adjustments are for guidance only and may require several combinations of these.

- Re-install Main Frame into Rotation Mounting Plate, or swing back over into position if it had not removed.
- Height adjustment can now be set at the Rotation Mounting Plate **(a)** Fig.1. Ensure all mounting clamp screws **(b)** are fully tightened sufficient to prevent any movement, before by slackening the two M6 domed Nylock nuts **(c)** on the Rotation Plate. Set Main Frame to required height and re-tighten Nylock nuts. A torque 8ft/lbs (10.8Nm) should be sufficient.
- Depth adjustment is set by slackening the tri-knob **(f)** on the Rotation Plate receiver tube, see Fig.2 and sliding the Main Frame in or out to the required position. Re-tighten tri-knob. The pre-set depth adjustment collar **(e)** should now be positioned against the Rotation Plate receiver tube and secured by tightening the locking grub-screw.
- Final transverse adjustment can be made by slackening grub-screw **(g)** Fig.3 and sliding the Swivel Plate Extension Tube **(h)** in or out to the required position. Re-tighten grub-screw.
- Angular adjustment of the Chin / Remote Controller can be made by slackening the lock nut **(i)** Fig.3, set the Controller to required position and re-tighten lock nut.
- The Chin / Remote Control Swivel Mounting Plate **(k)** can now be secured by the locking grub-screw **(j)**, on the side of the housing see Fig.3.
- On completion of adjustments the Chin / Remote Controller cable should be attached to the Main Frame using appropriate cable ties and routed accordingly to the Power Module. Sufficient slack should be provided in the cable to allow for user transfer.
- Re-check all screws and mountings for security.

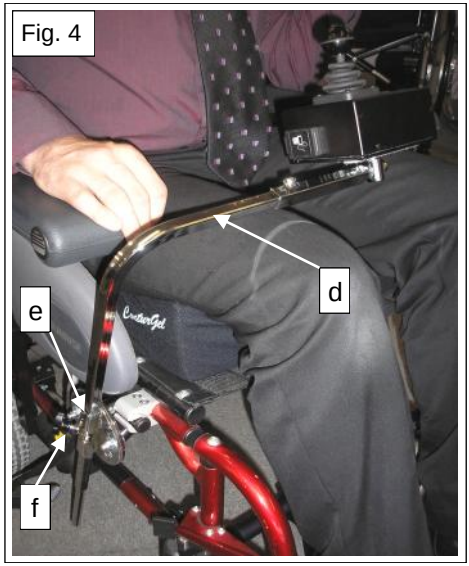
ALTERNATIVE FITTING POSITIONS

As it may not always be possible to attach the device onto the wheelchair backrest frame as Fig. 1, 2 & 3, design also allows the Swivel Mount to be fitted to either a horizontal seat frame rail see Fig.4, or onto a swing-away footrest hanger, see Fig.5.

FITTING: Position 2 Fig.4 Shows the Control Mount attached to the wheelchair Seat Frame. This position enables the device to be used as a convenient Mid-line Control Mount.

NOTE: Before attempting to fit the Rotation Mounting Plate assembly to the Seat Frame, ensure that the 19/22mm double clamps supplied as standard, are of a suitable size for the Seat Frame. (19/19mm and 19/25mm clamps are also available from RMS Sales, Part no's L6-P02-F4-D & L6-P02-F4-F).

- A suitable mounting position towards the front of the Seat Frame Rail should be located where the Rotation Plate assembly or Main Frame will not foul the mechanical parking brake or interfere with any frame braces.
- ***Should it be necessary to reduce the width of the Main Frame **(d)**, please follow the instructions * as detailed in **Position 1.**



NOTE: The installer may wish to attach the Chin / Remote Controller to the Swivel Mounting Plate **(k)** Fig.3, at this stage whilst removed from the Main Frame. [Cont]

FITTING Position 2 [Cont]

- Attach the Rotation Mounting Plate to the Seat Frame using appropriate sized double clamps (see Fig.4).
- Follow the assembly and adjustment procedures as detailed in **Position 1.**
- With the Main Frame **(d)** Fig.4 suitably positioned, fully tighten both double clamps to secure Rotation Mounting Plate assembly.
- The overall height adjustment will now depend on the Depth Adjustment Collar **(e)** Fig.4 which can be secured by its locking grub-screw.
- Transverse positioning and adjustment of the Swivel Mounting Plate will be as previously detailed for **Position 1.**
- To swing the Main Frame away to allow for transferring, slacken Tri-Knob **(f)** Fig.4, lift Main Frame complete with controller until the round end of the Main Frame enters the square receiver on the Rotation Plate and swing-away forwards.

NOTE: Users should be made aware that this device is not intended for use as a physical support when transferring.

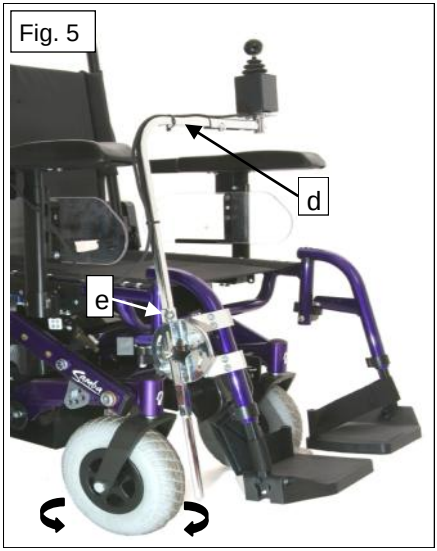
- After entering the wheelchair, the main Frame can be lifted and swung back round into the pre-set place as before. Re-tighten Tri-Knob **(f)** to prevent any movement.

FITTING: Position 3 Fig.5 Shows the Control Mount attached to the wheelchair Footrest Hanger. This position also enables the device to be used as a convenient, mid-line, control mount.

Being attached to a swing-away Hanger, can also assist with transferring, as the device can be left in its service position and moved away, normally at least 90°, complete with the Hanger.

CAUTION: When deciding on this mounting position, lateral rotation of the Front Castor Wheel must be considered to ensure the wheel does not foul the Main Frame (d) Fig.5

NOTE: Before attempting to fit the Rotation Mounting Plate assembly to the Footrest Hanger, ensure that the double clamps supplied as standard (i.e.19/22mm) are the correct size for the Footrest Hanger.
(19/19mm and 19/25mm clamps are also available from RMS - Part no's L6-P02-F4-D & L6-P02-F4-F).



- Follow the assembly and adjustment procedures as detailed in **Positions 1 & 2**
- With the Main Frame **(d)** Fig.5 suitably positioned, fully tighten both double clamps to secure Rotation Mounting Plate assembly.
- The overall height adjustment will now depend on the Depth Adjustment Collar **(e)** Fig.5 which is secured by tightening its locking grub-screw.
- ***Transverse positioning and adjustment of the Swivel Mounting Plate will be as previously detailed for **Positions 1 & 2*****

CARER ADVICE:

Security and positioning of the Chin Control Mountings should be checked on a regular basis, to ensure the user has correct control.

Should you require further information on this or any other product in the RMS range, please call our Technical Help-line on 01795-477280.