An electric mechanism to lift a flat screen television. Suitable for marine use. Shown here for use with an enclosed screen. Suitable for a total lifting weight of 50Kg [110lbs] or 30Kg [66lbs] in a marine environment. This is the weight of the screen and box enclosure that is made by others. This enclosure can easily take 10Kg [22lbs] of the total capacity.

Maximum screen height 675mm [26.6]

Lift systems to suit different screen heights are available.

Check screen mounting details and request a suitable mount plate.
Check for screen connectors that may add to screen depth.

Supplied with basic infrared remote. Can be learnt by many learning remotes.
Also has switch control and RS232 so can be operated by relays, switches, Crestron / AMX or Lutron systems.

It is the responsibility of the installer to warn all potential end users of the dangers of interfering with mechanisms during operation.

Mechanisms which lift or move weights need to be checked on a yearly basis for any damage which may result in an accident.

FUNCTION

SUITABILITY

SPECIFYING

CONTROL
Design Highlights

A space efficient and robust lifting mechanism, suitable for use in marine environments.

The Box Enclosure gives the product a neat finish, concealing all screen connections.

A robust 24V DC motor with a purpose made lead screw enables a quiet and smooth lifting action at approximately 40mm (1.6) per second.

High precision linear guideways ensure stability and durability of the beam to prevent any unwanted movement of the screen.

Adjustable UP and DOWN positions allow for a precise final setup within the cabinet.

Full cable management protects all screen and power cables from damage and is easily accessible for future changes to the AV setup.

A wide range of mounting options are available to suit different screens and speaker arrangements.
Cable Routing
The LSM has an easily removable Mount Cover that cables from the screen can be routed underneath. Cables then travel through the centre of the Mount Boss and into the beam. Cables must be routed carefully to prevent any interference with the LSM beam as it operates.

Screen and Mechanism cables should be routed to a control box outside of the cabinet via an opening in the back of the cabinet or a conduit leading to the bottom.

Recommended cable exit point

Maximum Possible Depth of Conduit 38mm [1.5]

Cables exit beam and enter cable track

Mount Cover

Mount Boss

DETAIL A

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Cables exit beam and enter cable track

Mount Cover

Mount Boss

DETAIL A
IMPORTANT: Thicker cabinet tops will require a reduced maximum screen height.
Base Panel and Box Enclosure Lid Details

**BASE PANEL - TOP VIEW**

- Base Panel Width = Cabinet Aperture Width -6mm [0.25]

**BOX ENCLOSURE LID (TAPERED) - TOP VIEW**

- Box Enclosure Lid Width = Cabinet Aperture Width -2mm [0.1]

**NOTE:**
A tapered Box Enclosure Lid creates a good fit in the Cabinet Aperture and helps the Box Enclosure to locate within the cabinet.

**VIEWING SIDE**

- Lid Depth = Cabinet Aperture Depth Depth -2mm [0.1]

**NOTE:** A tapered Box Enclosure Lid creates a good fit in the Cabinet Aperture and helps the Box Enclosure to locate within the cabinet.
Screen Mount Adjustability

A standard adjustable height VESA 400 mount is included. This is also compatible with VESA 300 and 200 mounting patterns.

Separate VESA 300 and 200 mounts are available.
The LSM is fixed to the back of the cabinet with wood screws in each corner.
Overall Mechanism Dimensions

**MECHANISM - UP POSITION**

**MECHANISM - DOWN POSITION**