

IMET M550S 'Special' Joystick Radio Control for Industrial Cranes & Equipment



M550 ZEUS / THOR SPECIAL

Special applications can be achieved using standard ZEUS & THOR Transmitter bodies



M550 BESPOKE SPECIAL

Where special requirements can not be accommodated using standard transmitter bodies, bespoke units can be manufactured to order

M550S SPECIAL - STANDARD FEATURES



Waist Belt

All IMET Joystick transmitters come c/w an adjustable waist strap for operator comfort



NiMH Batteries.

2 x Rechargeable NiMH batteries supplied as standard giving continuous useage time of approx 15 hours between charges



Mushroom Head Emergency Stop.

Easily accessible and protected against accidental damage. Stop system complies fully with EN954-1 Category IV



Start / Horn Button.

Easily accessible, mounted on the top face of the transmitter.



Gold plated contacts

Gold plated battery contacts ensure no corrosion & long life.



Safety Key.

New safety extractable key enabling restriction of Radio use to authorised personnel only

IP65 Receiver

Standard receivers available for 24/48/110/240v AC or 12/28v DC Power supply with up to 48 command relays



M550S ZEUS / THOR - STANDARD OPTIONS



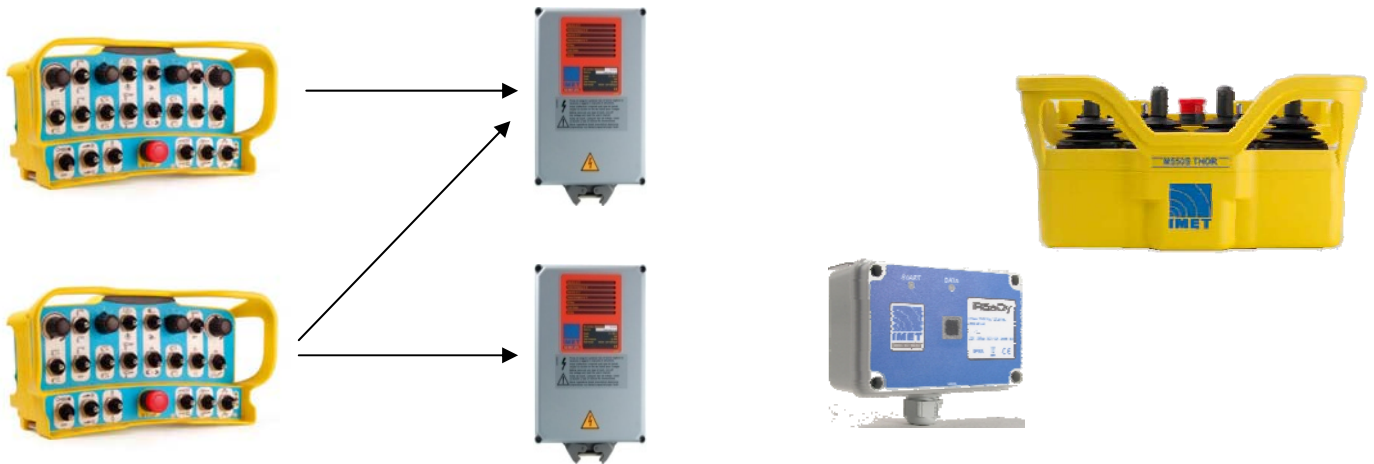
Auxilliary Commands :

Special radio systems can accommodate large numbers of buttons, joysticks, switches and potentiometers in any combination. These systems are designed to suit the customers particular requirements.



LED Display :

Available with ALL Special radio systems, this allows information from the crane to be displayed on the transmitter

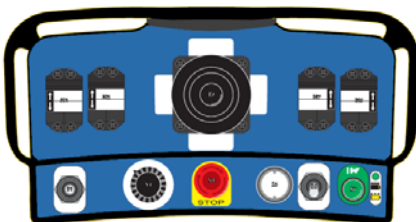


Master / Slave (MTRS) System :

The MTRS system allows one SPECIAL transmitter to work with up to 16 receivers, and up to 8 transmitters with one receiver. This enables a multitude of options such as Master / Slave and Pitch & Catch with multiple cranes.

Infra-Red Start up :

Available with all SPECIAL systems, the iREaDy system requires line of sight contact between transmitter and receiver to start the system. Once the signal has been established the system uses radio signals in the same way as a standard radio control system.



ATEX TRANSMITTER

II 3GD Ex nA IIB T6 X Ex tD A22 IP65

ATEX Ex Radio Systems :

IMET Radio systems are also available with ATEX certification (only with joystick style transmitters) please contact SIMBAL sales office for more details



ATEX RECEIVER

II 2GD EX d IIB+H2 T6 EX tD A21 IP66 T85°

TECHNICAL DATA

Transmitters



Models: (Bespoke design with any combination of Joysticks, Buttons, switches & Potentiometers)

All types can be fitted with digital readout

Specification:

Dimensions: To suit required application

Frequency Range	434.050—434.775Mhz
Seperation	25Khz steps
No of channels	30
Range	~100mts in clear conditions
Modulation	GMSK
Output power	10mW ERP
Pairing addresses	65,536
Housing material	Fibre re-enforced nylon
Protection	IP65
Temp range	-20°C to +70°C

Battery charger:

Power supply	AC version 230V DC version 11-32V
Absorption	3 W during charging
Recharging time	~ 3hours
Charging temp.	0°C to +35°C
Dimensions	137 x 75 x 30mm
Weight	AC Version 825g DC version 535g

Receivers

Models:

The **M550S ZEUS / THOR** range of Radio systems uses three standard types of Receiver as shown below :



Type 'L'
20 x 12 Amp
volt free relays



Type 'H'
16 - 48 x 12 Amp
volt free relays



Type 'M'
20 Digital + 4
Analogue outputs

Data common to both Type "L" & "H"

Power supply AC	24, 48, 110 & 230VAC
Power supply DC	12 to 28VDC
Absorbed power	20W max
Max. analogue outputs	8 - Voltage or Current driven
Stop relay volt free	Category 4 6A
Start relay volt free	Yes
Security relay volt free	Operated by each motion button
Dimensions	Type 'L' - 145 x 65 x 225 Type 'H' - 205 x 280 x 130
Weight	3.5Kg
Housing material	Fibre re-enforced nylon
Protection	IP65
Temp range	-20°C to +70°C
Frequency range	434.050—434.775Mhz
Seperation	25Khz steps

Type 'M' similar to above except :-

Power Supply	12 - 28v AC/DC
Dimensions	180 x 120 x 73
Weight	1.0 kg
Mounting type	DIN Rail for mounting inside Control panel or box

Relevant standards:

Machine directive 98/37 CE
 EN 330 220-3 (2000) (Standard SRD)
 EN 301 489-1 (2000) (Standard EMC)
 EN 301 489-3 (2001) (Standard EMC)
 EN 61000-6-2 (Standard EMC)
 EN 60204-32, 1998-10 (Machinery safety)
 EN 60950 (2000) (Safety information technology)
 1999/5/CE ack. by law decree 09/05/01 No 269 (Directive R&TTE)
 UNI EN 954-1 (10-1998) (Parts of command system with safety)
 89/336/CEE art. 4, 10.1& 10.2 attachments 1 & " (Directive EMC)
 73/23/CEE art 2, All. 1,3 part B,4 and variations (Directive LV)

Standard systems comprise:

- 1 Transmitter with carrying strap, 2 Nimh rechargeable batteries and charger.
- 1 Receiver c/w antennae
- 1 Installation and maintenance instructions
- 1 Certificate of conformity