

# ARM1500-20 MODULAR LOAD CONTROLLER



The Roborigger ARM1500-20 is a load controlling system based on the ARM1500 load control module fitted with a 20t WLL spreader and hook system. The ROBORIGGER ARM1500 modularised system allows the rotating and orientation system to be independent so that there is great flexibility to provide tailor made lifting configurations.



ARM1500 Modular  
Orientation Controller

+



20t WLL Lift  
Frame

=



ARM1500-20

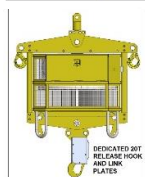
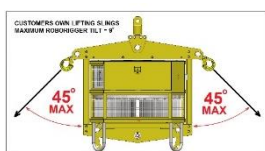
The ARM1500 module has sufficient capacity to control the orientation of a 40ft container in winds of 15kn (27km/hr) gusting to 20kn (36km/hr). The ability to control the load depends on the mass moment of inertia of the load and its windage. If loads are compact and have relatively low windage (eg heavy mechanical equipment less than 6m long) the mass can be large and the allowable wind speed can be higher whereas if the loads are very long and have high windage (e.g. a crane boom or wind turbine blade), the allowable mass and wind speed will be less. Roborigger makes lifting frames for the ARM1500 module up to 50t capacity.

The ROBORIGGER products (patent pending) are designed to allow orienting and landing lifted loads to be undertaken without the need for people to be in the vicinity of the load. ROBORIGGER also eliminates the need for taglines on loads. The optional ROBORIGGER wireless release system allows the operator to release the load remotely using a wireless handheld remote.

ROBORIGGER includes a video camera and load cell and is fully internet connected by Wi-Fi or 3g/4g so that all lifts are recorded on the internet database complete with date, time, location, weight and a high resolution image. Load ID can also be recorded.



## LIFTING CONFIGURATION OPTIONS



## KEY FEATURES:

- Integrated load cell
- Integrated IP camera capable of providing video feed and still pictures of load
- 3g/4g modem to provide internet connectivity
- Wi-Fi for transmission of video for use as crane camera or for remote monitoring
- Wireless remote using off the shelf 2.4 GHz or 433MHz crane controller
- 12 hour battery pack
- Onboard battery charger: input AC240V 15A single phase.
- Remote monitoring using ROBORIGGER IoT website
- 3m long x torsion support system

## SPECIFICATIONS:

**WLL:** 20t (lift frame capacity)

**Module Size:** 1.5 (W) x 1.5 (W) x 1.0m ( H)  
with lift frame: 2.1 (W) x 1.5 (L) x 1.8 (H)

**Weight:** 1,080 kg without lift frame  
1,730 kg including lift frame  
1,860 kg including lift frame and hook