



# **MS-MBA-3-L4A2**

## **RET Operation Manual**



EMAIL: [Info@matsing.com](mailto:Info@matsing.com) WEBSITE: [www.matsing.com](http://www.matsing.com)

PHONE: (949)585-5144

## 1.00 This Antenna Model Come With Standard Two MDCU controllers

Factory default firmware for the MDCU Controller is MRET (Type 17).



IN Controls LB Beams 3

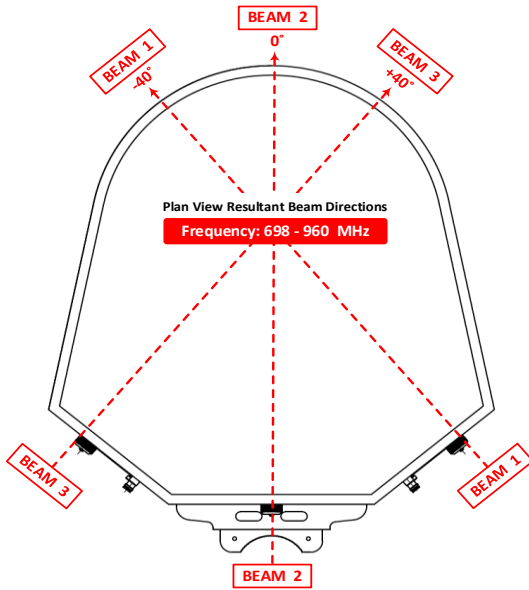


IN-1 Controls LB Beams 1

IN-2 Controls LB Beams 2

## 2.00 Antenna General Information

### Plan View Resultant Beam Layout

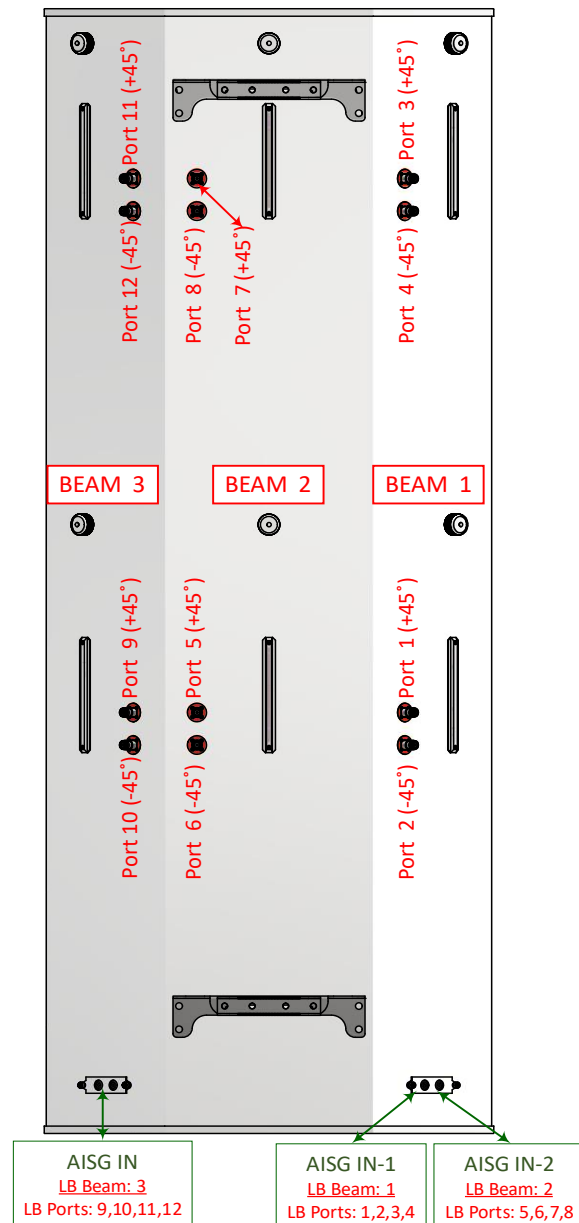


Connector Port Table

BEAM 3	BEAM 2	BEAM 1
Port 11 (+45°)	Port 7 (+45°)	Port 3 (+45°)
Port 12 (-45°)	Port 8 (-45°)	Port 4 (-45°)
Port 9 (+45°)	Port 5 (+45°)	Port 1 (+45°)
Port 10 (-45°)	Port 6 (-45°)	Port 2 (-45°)

### MS-MBA-3-L4A2

#### REAR VIEW CONNECTOR LAYOUT

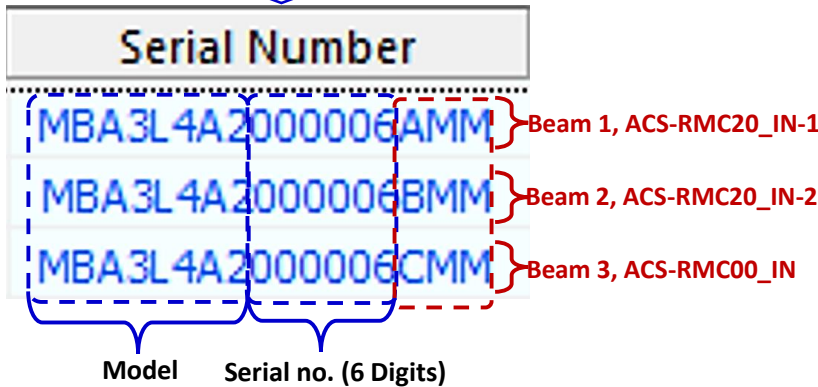


### 3.00 RET Operations / Information

A standard AISG 2.0 compliant cable (not included) is used to connect the MDCU to the AISG interface control. Once connected, use an AISG 2.0 compliant Control software to perform a Sub Unit SCAN to identify the RET Elements.

#### 3.10 Display & Information Reference (Example of Antenna Unit s/n 6)

NO	HDLCL	Vendor	Serial Number	Product Number	H/W Version	S/W Version	3GPP	Device	AISG	Connect	Link
1	1	MS	MBA3L4A2000006AMM	ACS-RMC20	1.00	1.17	6	Multi RET	2	Connect	Link
2	2	MS	MBA3L4A2000006BMM	ACS-RMC20	1.00	1.17	6	Multi RET	2	Connect	Link
3	3	MS	MBA3L4A2000006CMM	ACS-RMC00	1.00	1.17	6	Multi RET	2	Connect	Link



#### 3.20 Model & S/N Reference From Label



**Reminder:** If Information Has Been Edited, Remember to Perform "Radio Hard Reset" for Changes to take Place

Add Zero in front if the serial nos is shorter than 6 digits

#### 3.30 Beam Nos & Port Nos Display

RET ID	Beam				
MSMBA3L4A2000006AMM	Beam 1, ACS-RMC20_IN-1 (Port Assigned)				
RET Status and Control					
Antenna Information List					
NO	Sector ID	Ant Model	Ant Serial	Current Tilt	Status
1/2	LB Beam 1 (Ports 1, 2)	MS-MBA-3-L4A2	MSMBA3L4A20000006	0.0	Normal
2/2	LB Beam 1 (Ports 3, 4)	MS-MBA-3-L4A2	MSMBA3L4A20000006	0.0	Normal
MSMBA3L4A2000006BMM	Beam 2, ACS-RMC20_IN-2 (Port Assigned)				
RET Status and Control					
Antenna Information List					
NO	Sector ID	Ant Model	Ant Serial	Current Tilt	Status
1/2	LB Beam 2 (Ports 5, 6)	MS-MBA-3-L4A2	MSMBA3L4A20000006	0.0	Normal
2/2	LB Beam 2 (Ports 7, 8)	MS-MBA-3-L4A2	MSMBA3L4A20000006	0.0	Normal
MSMBA3L4A2000006CMM	Beam 3, ACS-RMC00_IN (Port Assigned)				
RET Status and Control					
Antenna Information List					
NO	Sector ID	Ant Model	Ant Serial	Current Tilt	Status
1/2	LB Beam 3 (Ports 9, 10)	MS-MBA-3-L4A2	MSMBA3L4A20000006	0.0	Normal
2/2	LB Beam 3 (Ports 11, 12)	MS-MBA-3-L4A2	MSMBA3L4A20000006	0.0	Normal