

MATSING[®]

LENS TECHNOLOGY ENABLED

MS-MBC-3-L2-16

Instruction Manual

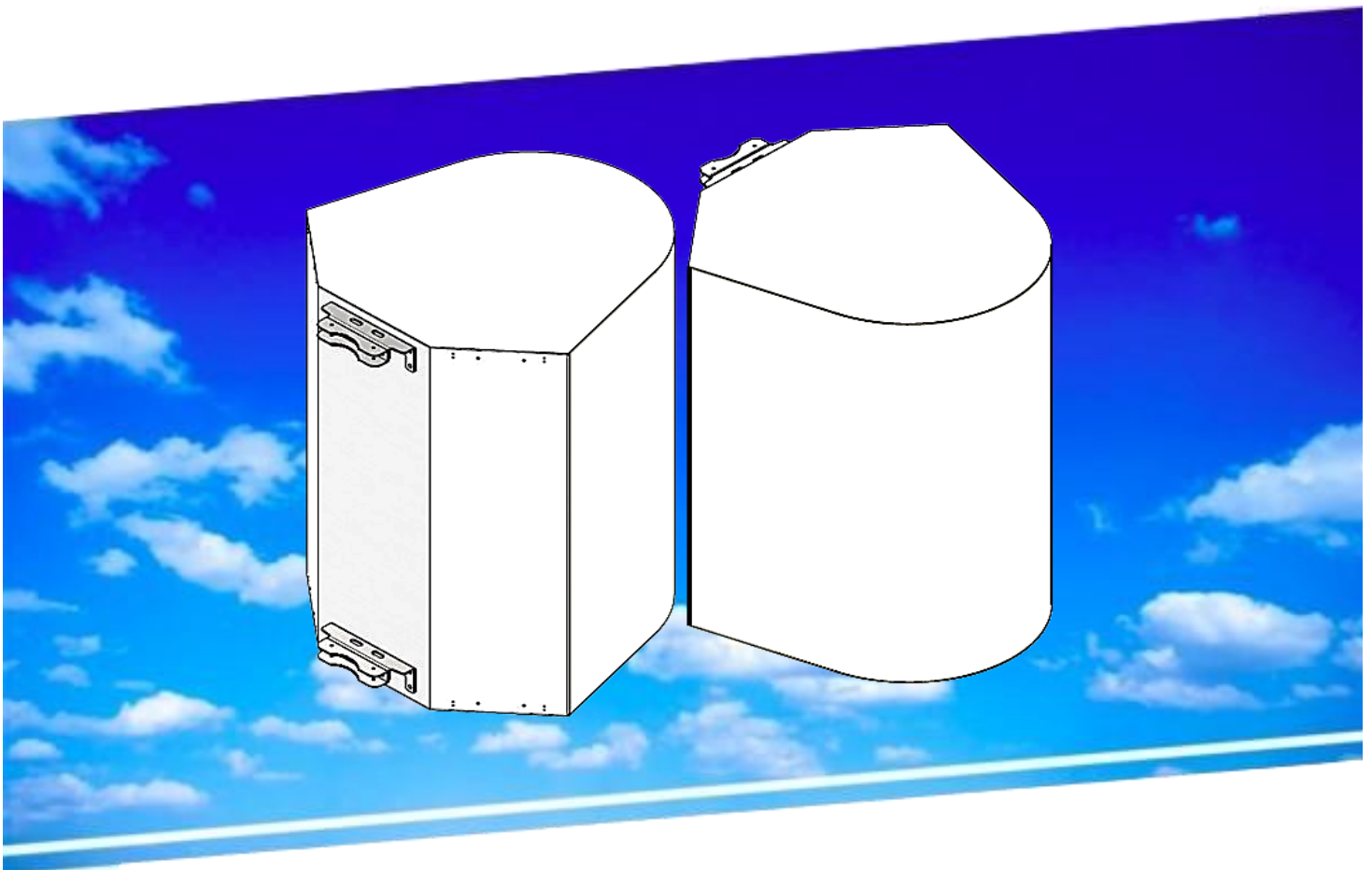


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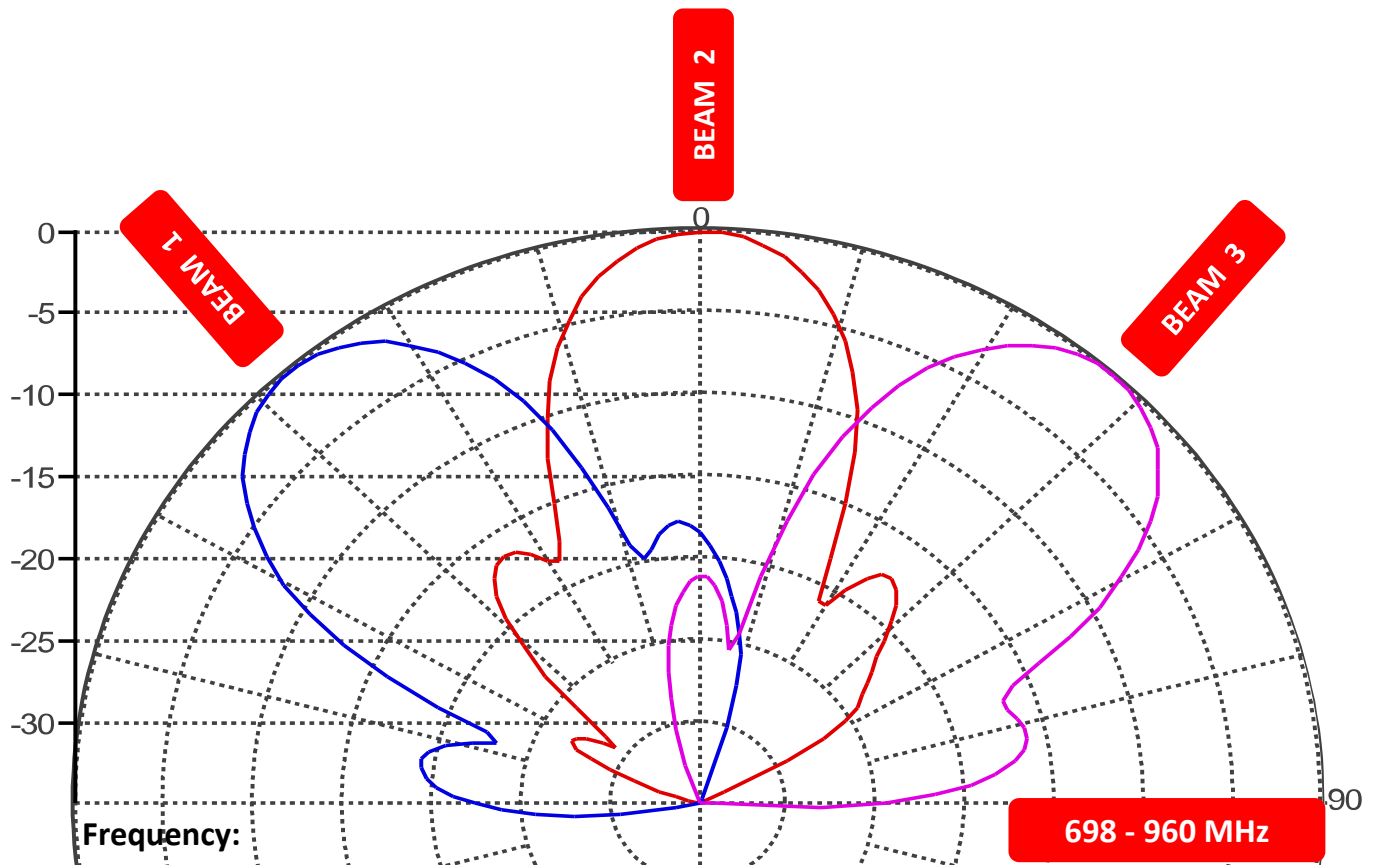
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Revision History:

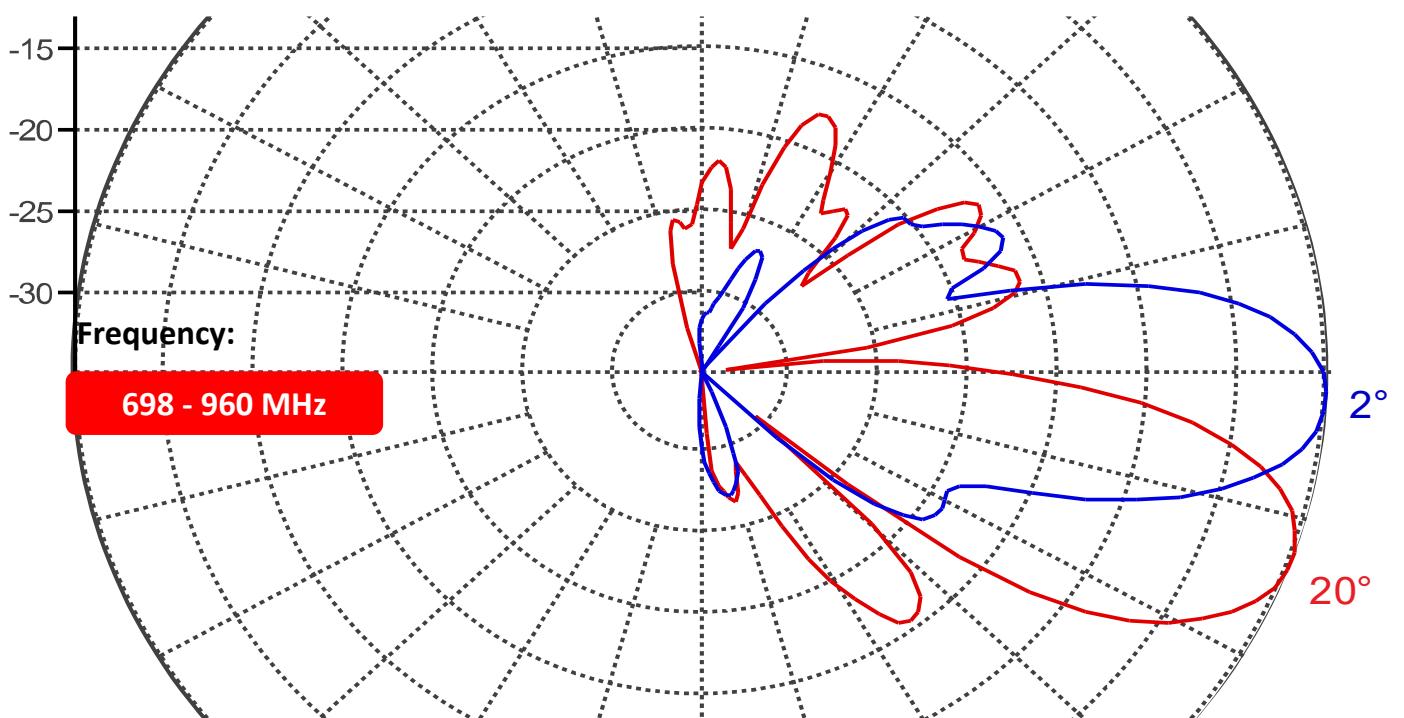
<u>Date</u>	<u>Description</u>	<u>Rev By</u>	<u>Check By</u>	<u>Rev no</u>
21-May-2025	Initial Release	RL	Pavel	0
10-Dec-2025	Connector layout revision	RL	Pavel	1
25-Dec-2025	Add RET Operations and information	RL	Pavel	2

1.00 Pattern diagram

1.10 Horizontal pattern

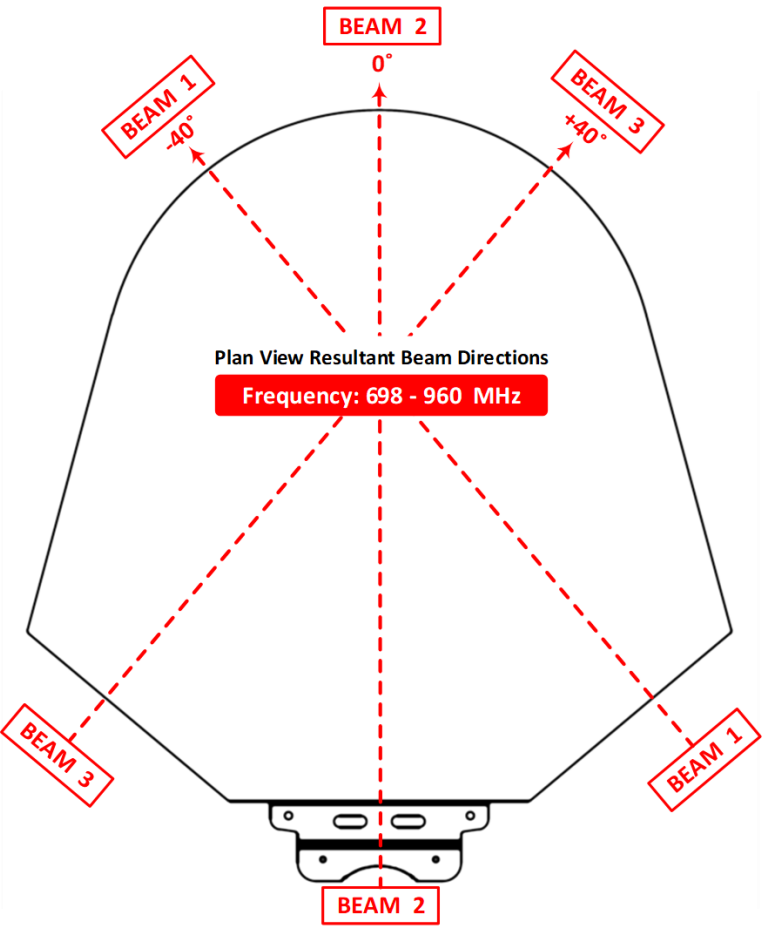


1.20 Vertical pattern



2.00 Beams and connectors

2.10 Plan view resultant beam layout



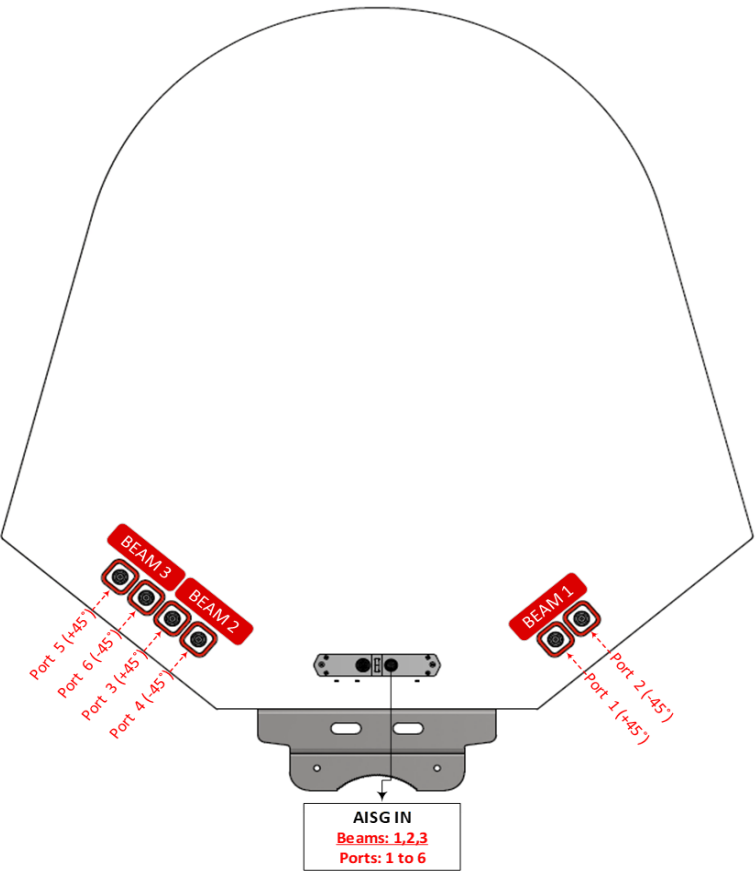
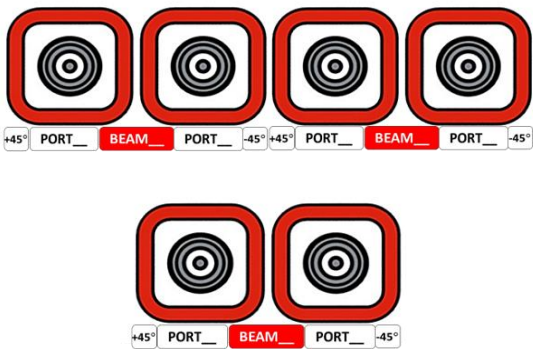
2.20 Connector port table

BEAM 3		BEAM 2		BEAM 1	
Port 5 (+45°)	Port 6 (-45°)	Port 3 (+45°)	Port 4 (-45°)	Port 1 (+45°)	Port 2 (-45°)

2.40 Connector layout

MS-MBC-3-L2-16
PLAN VIEW CONNECTOR LAYOUT

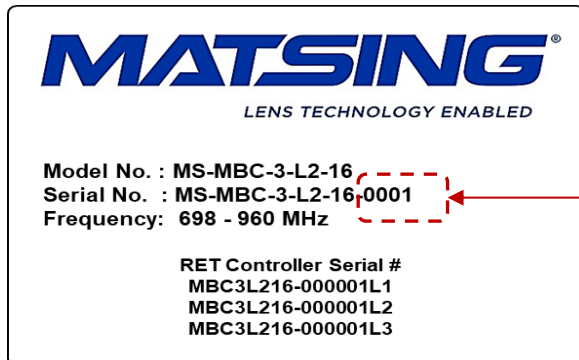
2.30 Connector detail



3.00 RET Operations and 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 subunit SCAN to identify the RET elements.

3.10 RET model and serial nos input



17 digits

MBC3L216-000001L1
MBC3L216-000001L2
MBC3L216-000001L3

Model s/nos Beams
6 digits

Delete or add zero (0) in front if the label s/nos. is more or less than 6 digits

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

3.20 Controller display

ALD List													
NO	HDLC	Vendor	Serial Number	Product Number	H/W Version	S/W Version	3GPP	Device	AISG	Connect	Link		
1	1	MS	MBC3L216-000001L1		5.04	5.0.4	6	Single RET	2	Connect	Link		
2	2	MS	MBC3L216-000001L2		5.04	5.0.4	6	Single RET	2	Connect	Link		
3	3	MS	MBC3L216-000001L3		5.04	5.0.4	6	Single RET	2	Connect	Link		

3.21 Beam numbers and ports number display

RET ID : MSMBC3L216-000001L1

RET Status and Control

Antenna Information List

NO	Sector ID	Ant Model	Ant Serial	Current Tilt	Status	
1/1	LB 1 (Port 1, 2)	MS-MBC-3-L2-16	MSMBC3L2160000001	2.0	Normal	

RET ID : MSMBC3L216-000001L2

RET Status and Control

Antenna Information List

NO	Sector ID	Ant Model	Ant Serial	Current Tilt	Status	
1/1	LB 2 (Port 3, 4)	MS-MBC-3-L2-16	MSMBC3L2160000001	2.0	Normal	

RET ID : MSMBC3L216-000001L3

RET Status and Control

Antenna Information List

NO	Sector ID	Ant Model	Ant Serial	Current Tilt	Status	
1/1	LB 3 (Port 5, 6)	MS-MBC-3-L2-16	MSMBC3L2160000001	2.0	Normal	

4.00 Bracket installation

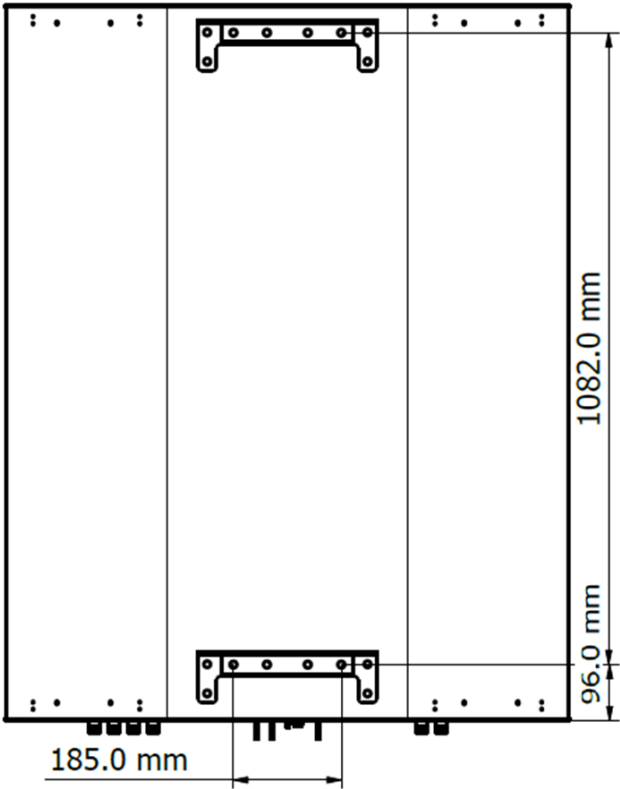
4.10 Bolts and nuts / tools

Bracket		Bolts		Nuts	
Qty		Size	Qty	Size	Qty
2		M12 x 200mm	4	M12	10

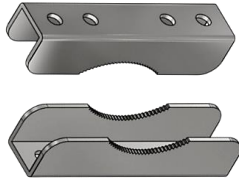
4.11 Bolt and nuts set



4.30 Bracket spacing and installation sample



4.12 Bracket

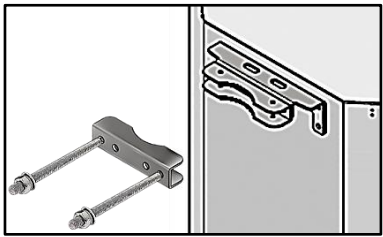


4.20 Tools requirement

M12 spanner



Adjustable spanner



Before installation

