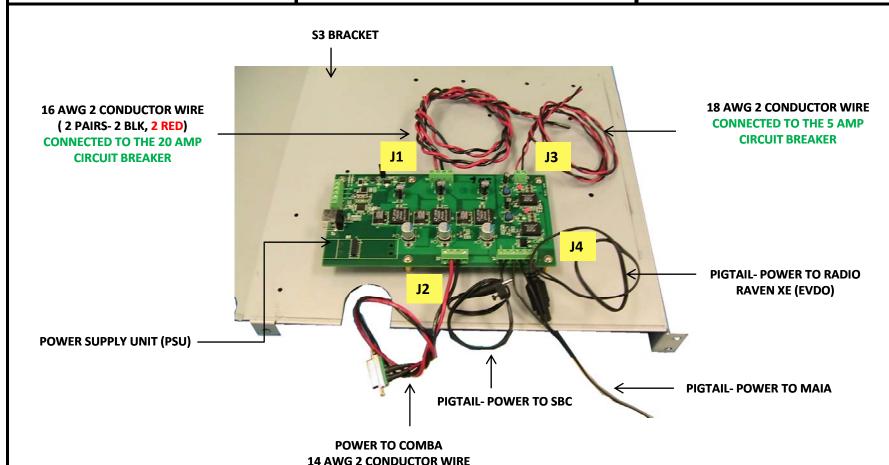


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TITLE:

POWER SUPPLY WIRING

NextNav, LLC



	14 AWG 2 COMPOCION
Revision Leve	DESCRIPTION OF CHANG

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Dante L. Rusgal Jr.					
Manufacturing Eng'g					



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S₁ CABLING ASSEMBLY

NextNav, LLC



LMR195 to Panel (TX)

LMR195 to Panel (GPS)

Ferrite clamps (6x) on MAIA to Rb Breakout coax wires

> Rb_Breakout Board

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DOCUMENTED BY:
Dante L. Rusgal Jr.
Manufacturing Eng'g

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Y:	Α	INITIAL DOCUMENT RELEASE	Dante	9.16.2011	
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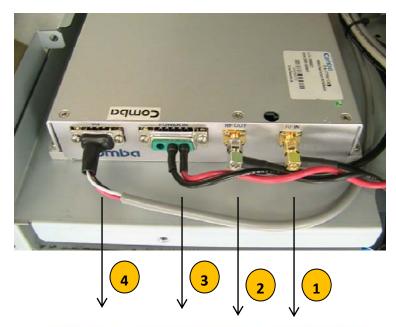


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COMBA WIRING

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Comba

- 1) RF IN= CONNECTED TO TX OUT OF MAIA
- 2) RF OUT= CONNECTED TO CAVITY FILTER (IN)
- 3) POWER IN= CONNECTED TO POWER SUPPLY UNIT (see details in next pages)
- 4) COMBA I/O= CONNECTED TO MAIA

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CAVITY FILTER INSTALLATION

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INSTRUCTION:

Install CAVITY FILTER where shown (on the S2 bracket). Connect RF cable from RF in of COMBA

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RADIO WIRING

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RADIO Power Pigtail End is connected to the POWER SUPPLY UNIT (PSU)



CAT5= Connected to the ETHERNET SWITCH

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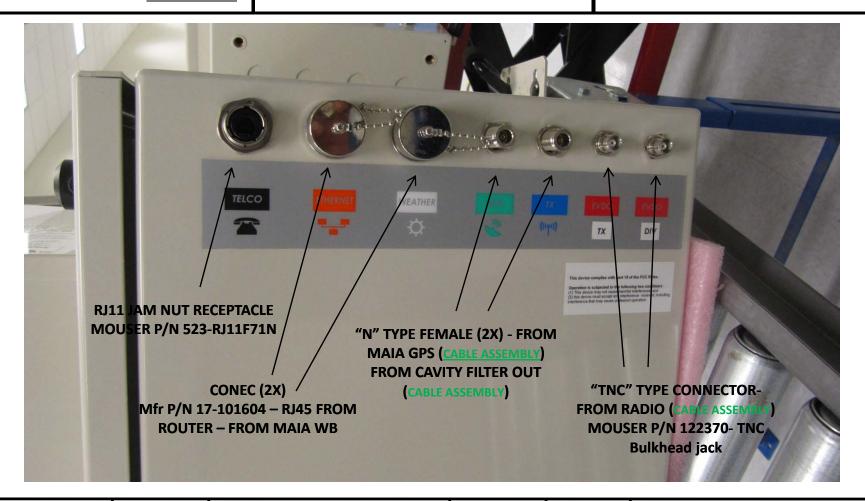


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PANEL MOUNT INSTALLATION

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TITLE

BATTERY COMPARTMENT WIRING

NextNav, LLC

MAIN Power Switch

AC MAIN Power Line Input Terminal (Ground-Line-Neutral)



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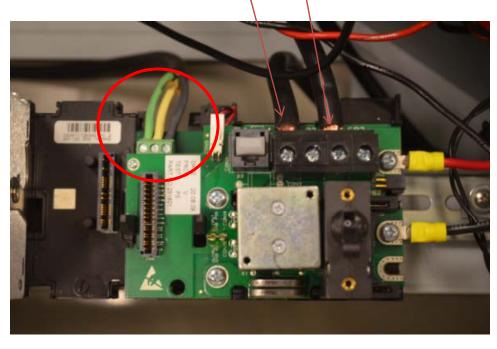
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ROUTING OF WIRES

NextNav, LLC

BATTERY LEADS POS NEG



To DC DIN Rail
Therminal Blocks and
Breaker Switches

Instruction (LINE POWER SUPPLY):

Supply power to the whole system (16 AWG) 3 conductor wire. Strip conductor ends and insert in the wire positions as shown

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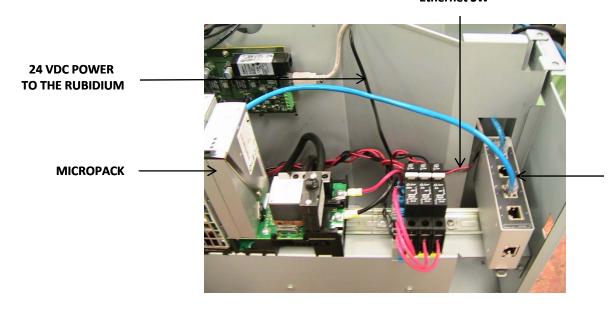
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ROUTING OF WIRES

NextNav, LLC

Wiring to supply power to the Ethernet SW



ETHERNET CABLE
BETWEEN
MICROPACK AND
ETHERNET SWITCH

INSTRUCTION:

Wires, cables must be run neatly and tie wrap along the "half circle cut-outs" as shown. Conductor wires (red/ black) should be twisted

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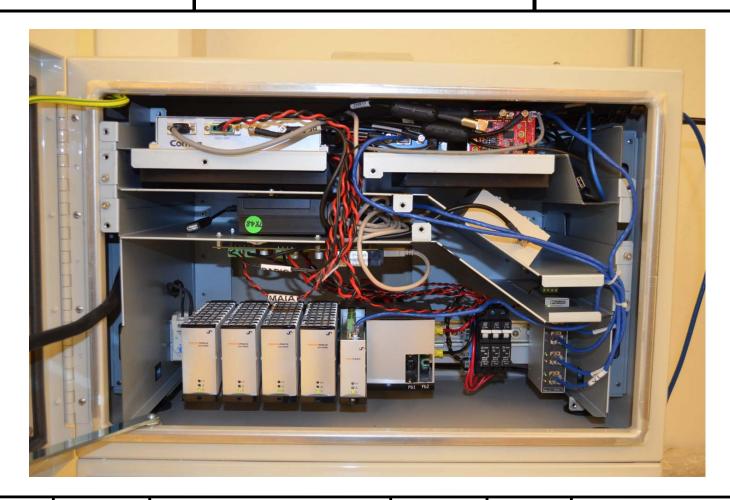


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WIRING COMPLETE

Commlabs,Inc.



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