

# KENTA

The specialist of Radio Frequency Communication systems

## KMAT-A013

### 2:2 RF Power Matrix / Switch

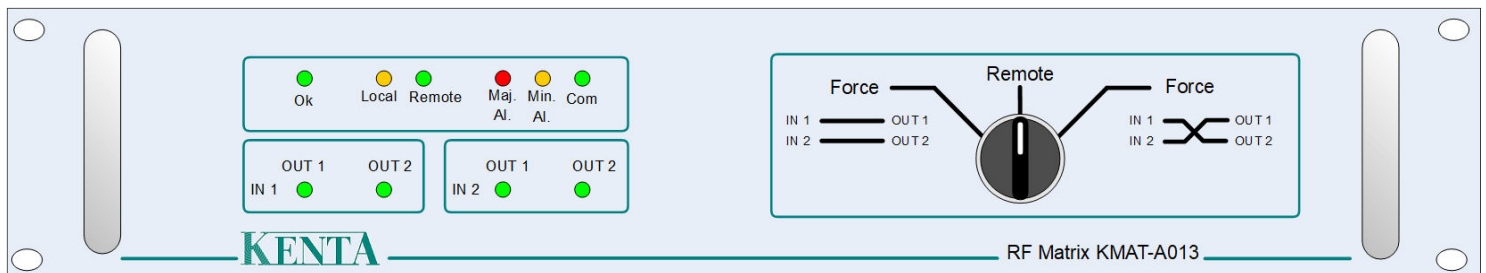
The **KMAT-A013** is typically used with transmitters developed by KENTA in a 1+1 automatic redundancy application with 2 antennae or 1 antenna and a dummy load.

The **KMAT-A013** provided by KENTA is specially designed for 24/7 operations.

The **KMAT-A013** performs the automatic or manual switching between two RF signals generated by external RF transmitters. In its standard version, this unit is designed for a nominal power (through the RF path) of 1 000W in MF or HF band (no switch during transmission).

The setup, control and monitoring of the **KMAT-A013** can be done through a RS232C or an Ethernet connection (MODBUS based protocol). Alarms are monitored on front face LEDs.


The **KMAT-A013** includes different boards packaged in a 2U, 19" rack and gives to the user, guarantees of reliability and robustness against severe environment including EMC constraints.



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#### Technical Specifications

<b>Frequency Range:</b>	300kHz - 300MHz	
<b>Input :</b>	2 x 50Ω N-type female connectors	
<b>Output:</b>	2 x 50Ω N-type female connectors	
<b>Isolation:</b>	Better than 30dB	
<b>RF Power:</b>	1 000W PEP maximum	
<b>Remote control:</b>	MODBUS protocol Ethernet RJ45 connector (10/100baseT) RS232C SUBD 9 pins connector;	
		<b>Operating temperature:</b> 0 to +50°C
		<b>Humidity:</b> 10 to 80 % at 50°C
		<b>Mechanical:</b> 19" – 2U rack - 6kg
		<b>Power Supply:</b> Single Phase 110-220VAC – 50/60Hz

#### Main Ordering Information:

[www.kenta.fr](http://www.kenta.fr)

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~KMAT-A013

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KMAT-A013 Product Datasheet  
Specifications subject to change without prior notice  
Document with no contractual value