



General Description

The KDC 6 is an option for the Rane model MA 6S that allows operation from ± 24 VDC. The KDC 6 is user installed to the inside of the MA 6S. The KDC 6 kit is shipped with all the necessary components. The installation is not complicated but does require some technical skill. For that reason it's recommended that if you don't know which end is the handle of a screwdriver, you should probably refer installation to someone who does.

The KDC 6 is useful in locations that have only DC voltage, or where battery backup is desired or required. When used as a battery backup, the KDC 6 will automatically switch the MA 6S from AC supply to a DC supply in the event of AC power supply failure—with only a 4.5 second interruption to program material. This is useful for public address systems where emergency instructions are broadcast over the PA system during fires or other catastrophes. When used as a DC

only supply, the KDC 6 allows MA 6S use in applications where high quality amplifiers are not usually found, such as on floats: Just picture your ten story, helium filled cartoon character tethered to your float, pumping out six channels of professional high quality audio! Well, you get the idea.

Due to the low operating voltage of the KDC 6, a reduction in the power output capability is expected and should be noted for your installation. Refer to the specification section for more details. All functionality and reliability of the MA 6S is maintained when using the KDC 6.

The MA 6S's operation will be protected against "brown out" power conditions as well as complete failure of the AC line when the KDC 6 is properly installed. So sleep restfully tonight knowing that you and your customers will be protected against most AC line source problems. Buy and install the KDC 6 option for your MA 6S today!

Features

- **+24 VDC OPERATION**
- **AUTOMATIC DC POWER SWITCHOVER IN THE EVENT OF AC LOW LINE OR SUPPLY FAILURE**
- **SIMPLE INSTALLATION USING ONLY HAND TOOLS (no welders, chainsaws, cranes or bulldozers needed)**
- **NO ANIMALS INJURED DURING THE MANUFACTURING OR TESTING PROCESS**

Parameter	Specification	Limit	Units	Conditions/Comments
Operating Voltage	±24	10%	VDC	Nominal
Input Connectors	Euroblock style			
Output capabilities of MA 6S				
.....One channel driven	24	±5%	Watts	8 ohm load, 20Hz-20kHz
.....All channels driven	22	±5%	Watts	8 ohm load, 20Hz-20kHz
Switchover voltage	75%	Min	Line Voltage	Shared AC Supply Requirements
	40%	Min	Line Voltage	Full DC operation
Reset time upon power failure	4.5	±20%	Sec	
Shipping: Carton size	12.125 x 7.125 x 3.125		Inches	(31cm x 18cm x 8cm)
.....Weight	1		lb	.45kg