

R*I*C*K (HLN3333)

Repeater Interface Communications Kit

The Radius Repeater Interface Communications Kit, the R*I*C*K, connects between two Radius mobile radios to construct an **intermittent** duty radio repeater. The repeater is referred to as a Radius "2-mobile" repeater.

Uses

Some of the possible uses for the Radius "2-mobile" repeater include:

- MOBILE REPEATER
- MOBILE PAC*RT "LIKE" REPEATER
- SUITCASE REPEATER
- PORTABLE SITE REPEATER
- "MOUNTAIN TOP" (lookout) REPEATER
- FIXED (rural) SITE REPEATER
- FIXED (base) REPEATER
- SHORT TERM, SUBSTITUTE RT REPEATER

The terms of the FCC license for a particular operator will determine the frequencies, output power and antenna heights for a given situation. Part 90 of the FCC Rules and Regulations must be consulted before a Radius "2-mobile" repeater is activated.

Configurations

Possible configurations for a Radius "2-mobile Repeater" are:

- SINGLE BAND RT (unidirectional) REPEATER
- CROSSBAND RT (unidirectional) REPEATER
- SINGLE BAND, BI-DIRECTIONAL REPEATER
- CROSSBAND, BI-DIRECTIONAL REPEATER

R*I*C*K Contents

The HLN3333 R*I*C*K consists of the following individual kits:

HLN9809	R*I*C*K Board
HLN9822	R*I*C*K Hardware
HKN9837	R*I*C*K Intercabling
HLN9839	Mounting Hardware

References to the M200 Series Radios

References to the M200 series radios include the newer models M208 and M216 or the older models M206 and M214 with either the B308 option for the Local Setup/Knockdown operation or the B833 option for the Remote/Local Setup/Knockdown operation.

WARNING

The Radius "2-mobile" repeater is an **INTERMITTENT** duty repeater only. Extended periods of transmitter keying will result in a steady decrease of the output power. No harm to the radio will occur.

WARNING

Before placing a Radius "2-mobile" repeater in service, Part 90 FCC Rules and Regulations must be consulted. The legal limits for frequency use, power output, coded squelch and antenna height must be determined for a given service of operation.