

Setup/Knockdown Operation

The ignition control of the "transmitter" radio of a repeater may be turned on and off either locally or remotely to provide a "setup/knockdown" action for the repeater. The supply voltage for the ignition control input is switched electronically by the R*I*C*K.

1. Fuse F801 (or jumper JU801 in earlier models) on the logic board of the "transmitter" radio must be removed in order to enable the setup/knockdown feature.
 2. The "power-up" state of the repeater upon the initial application of supply voltage is determined by jumper JU1 on J6 of the R*I*C*K.
 - a) Place the 2-pin push-on jumper, JU1, on pins 1 and 2 of J6 if the repeater is to be initialized in the "setup" (ON) state. The local and remote control will then toggle the repeater between the "setup" and "knockdown" (OFF) states.
 - b) Place the 2-pin push-on jumper, JU1, on pins 2 and 3 of J6 if the repeater is to initialize in the "knockdown" (OFF) state. The local and remote control will then toggle the repeater between the "knockdown" and "setup" (ON) states.
 3. The remote setup/knockdown control is enabled in the R*I*C*K by placing switch S2-4 in the ON position.
 4. The "receiver" radio, at the least, must be an M200 series radio.
 - a) The "Call List" of the "receiver" radio must include the identification of a controlling field radio (defined as a "console" with the Radio Service Software).
 - b) The "receiver" radio must be programmed to receive and transmit on the receive frequency of the repeater.
 - c) The Call List of the console must also contain the identification of the "receiver" radio.
 - d) The console radio must have a mode (or channel) allocated to receive and transmit on the frequency of the "receiver" radio of the repeater.
 - e) If an Emergency Alert by the "receiver" radio is desired as a verification when the repeater has knocked down (OFF), then program the "receiver" radio to transmit an Emergency Alert.
 - f) Program the console (radio) and the "receiver" radio of the repeater for the MDC-1200 signaling format. Refer to the Rapid-Call Planning Guide and RapidCall Instruction Manual.
5. To knockdown a repeater that is setup:
- a) Initiate a Call Alert from the console to the "receiver" radio; use the ID number that was assigned to the "receiver" radio.
 - b) If the "receiver" radio has been programmed to transmit an Emergency Alert, the Alert will be transmitted by the "receiver" radio when the repeater assumes the knockdown state.
 - c) Clear the Emergency Alert at the console (refer to the Radius RapidCall Planning Guide).

NOTE: An Emergency Alert will be transmitted by the "receiver" radio upon application of supply voltage if the repeater initializes in the knockdown condition (J6-2 jumpered to J6-3 in the R*I*C*K).

6. To setup a repeater that is in the knockdown condition:
- a) Initiate a Call Alert to the "receiver" radio from the console; use the ID number that was assigned to the "receiver" radio.
 - b) The transmitter of the "receiver" radio will transmit a Call Alert to the console to verify that the repeater is setup.