



Configuring Universal Modems

The Universal Modem provides for the variety of communication options required for linking Burk Technology remote control systems.

Standard on the Universal Modem is FSK Audio communication, but it is easily converted for use with STL or FM Broadcast subcarriers, and even RS-232 data links with simple plug-in modules.

AUDIO INPUT - For use with an audio input (TRL, SCA receivers,...) no INPUT MODULE should be installed. Instead, a single 2-pin shunt is connected at JP6, pins 5 and 6 (marked with '*' on board). The 3-pin INPUT selector JP5 should have its 2-pin shunt installed on the AUDIO pair of pins.

AUDIO OUTPUT - For audio output, no OUTPUT MODULE is required. Audio is always present at the LINE 1 terminal on the back panel. Audio will also appear on the BNC OUTPUT connector if OUTPUT selector JP9 has a 2-pin shunt on the AUDIO (Right) set of pins.

SUBCARRIER INPUT - INPUT MODULES are used to recover subcarrier data for use by the remote control. Any shunts should be removed from JP6, and the desired INPUT MODULE installed. The INPUT selector JP5 should have a shunt installed on the MODULE (Left) position.

SUBCARRIER OUTPUT - Various OUTPUT MODULES are available which can generate FM subcarriers for use on STLs and on FM broadcast channels. An OUTPUT MODULE should be installed at JP7, and the OUTPUT selector JP9 should have a shunt installed on the MODULE (Left) position. A single control is provided for adjustment of injection level.

DIGITAL INPUT - For recovery of RS-232 data, install an INPUT DIGITAL MODULE in place of a shunt at JP6. Move the INPUT selector JP5 to the MODULE position.

DIGITAL OUTPUT - RS-232 communication is treated in the same manner as a subcarrier. Install an OUTPUT DIGITAL MODULE at location JP7, and select the MODULE position on OUTPUT selector JP9.

Available modules include:

OUTPUT DIGITAL MODULE
OUTPUT 39 KHZ MODULE
OUTPUT 67 KHZ MODULE
OUTPUT 92 KHZ MODULE
OUTPUT 110 KHZ MODULE
OUTPUT 152 KHZ MODULE
OUTPUT 185 KHZ MODULE

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