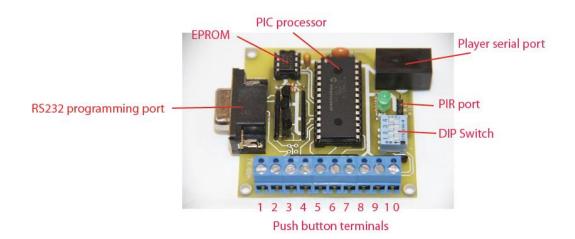# Team Kingsley LLC

TK-69K Programmable Control
Firmware Rev 1 for MedeaWiz® DV-69, DV-71* and DV-81 Video Players

The TK-69K is a truly versatile control circuit board for the MedeaWiz® video players. As delivered from Team Kingsley LLC, the pre-loaded software allows the user to connect up to 9 pushbuttons to play selected tracks. For more push buttons or special needs please email sales@teamkingsley.com

Two button modes may be selected by the user:
1: Once a button is pressed it will ignore all buttons until the current track is completed
2: Once a button is pressed it will only respond to other buttons and not re-start the current track

It is fully programmable by the user with free Basic language software that can be downloaded from www.Parallax.com

FEATURES
Screw terminals to connect 9 push-buttons – Optional matrix software for up to 25 buttons

RS-232 Port for programming and can be used to interface to other devices such as a bar code reader

Player Serial Port has 2 way communications at TTL levels with the player* allowing total control

Mode DIP Switch 1 selects jump type when a button is pressed (can be re-defined in software)
Mode DIP Switch 2
Mode DIP Switch 3
Mode DIP Switch 4 selects programming / run mode for the RS-232 serial port

PIR Port to connect motion sensor

Powered by the MedeaWiz® video player through the serial port connection
Fully user programmable for custom needs

TK-69K Operation

The unit is delivered with all mode switches in the "off" position. In this condition it is ready to wire in up to 9 pushbuttons directly to the screw-terminal connector. Once a button is pressed the unit will ignore all other button presses until the current track has finished playing.

Push-Button Wiring

Terminals 1 through 9 are for switches 1 through 9 and terminal 10 is the common for all. If you requested a custom program from Team Kingsley LLC the wiring may be different.

Mode DIP Switch Settings

Switch 1 in "on" position will allow any track other than the one currently playing to start. Switch 1 in "off" position will not allow any track to start until the current track is finished.

Switch 2 in "on" (for future use)

Switch 3 (for future use)

Switch 4 in "on" position to load a new program into the TK-69K control using the free development software from www.Parallax.com Program examples can be downloaded at www.teamkingsley.com/downloads Set Switch 4 to the "off" position if using the RS-232 port for other devices such as a bar code reader, touch-screen, etc.

The PIR Port will trigger file 001.xxx when +5 volts is applied. Use with Parallax PIR motion sensor available from Team Kingsley LLC.

*The DV-69 and DV-81 have 2-way serial communications and report the End-Of-File back to the TK-69K. This is how we normally "lock-out" push buttons after a selection is made. The DV-71 does not have 2-way communications and does not report back. We can write a custom program to "lock-out" buttons with a DV-71 by counting elapsed time to match your file.

The TK-69K uses the Parallax Basic Stamp 2 OEM version, which is a specially programmed PIC processor. You can still use the Basic Stamp Editor software to write your own programs just like the TK-68K.

Team Kingsley LLC can assist you with custom software.
 sales@teamkingsley.com

www.TeamKingsley.com