

Team Kingsley LLC

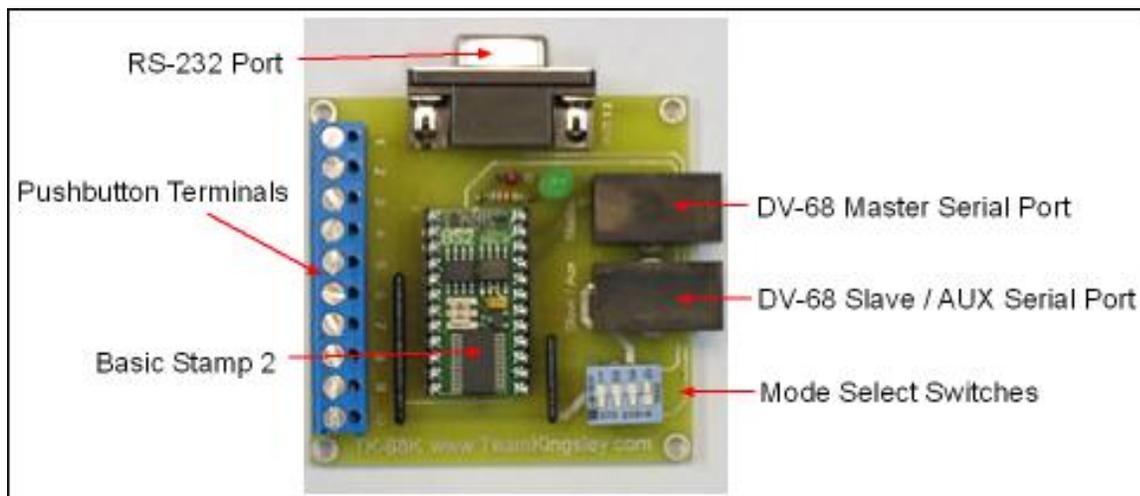
TK-68K Programmable Control Firmware Rev 3 for MedeaWiz DV-66B* DV-68 and DV-76 Video Players

The TK-68K is a truly versatile control circuit board for the MedeaWiz DV-68 and DV-76 video players. As delivered from Team Kingsley LLC, the pre-loaded software allows the user to synchronize 2 players and 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

DV-66B / 68 / 76 Master Serial Port has 2 way communications with the player allowing total control

DV-66B / 68 / 76 Slave / AUX Port has 2 way communications and can be used to synchronize a second player to the first or used as a TTL level serial port for other hardware inputs / outputs

Mode Switch 1 selects jump type when a button is pressed (can be re-defined in software)

Mode Switch 2 selects DV-66B / 68 or DV-76 mode (can be re-defined in software)

Mode Switch 3 selects 5 volt power to AUX serial port or port not powered

Mode Switch 4 selects programming / run mode for the RS-232 serial port

Powered by the DV-66B / 68 / 76 through the Master serial port

Fully user programmable for custom needs

TK-68K Operation

As delivered from Team Kingsley LLC the installed software can control a single DV-66B / 68 / 76 or two players receiving the same “play track xxx” commands at the same time in synchronization¹ with or without pushbuttons.

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. There is no power connection to the Slave / AUX port. (the second player, if used, has it's own power)

Push-Button Wiring

Terminals 1 through 9 are for switches 1 through 9 and terminal 10 is the common for all.

Mode 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” position for DV-76
Switch 2 in “off” position for DV-66B / 68

Switch 3 in “on” position will supply +5 volts DC to the Slave / AUX connector. **Do not turn on if connecting a second player.** This is to power auxiliary circuits only at less than 50 MA.

Switch 4 in “on” position to load a new program into the TK-68K 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.

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

www.TeamKingsley.com

¹ The sync between the 2 players is not frame accurate and will from time to time be a few frames apart

* DV-66B Revision 2.0C