Sennetech

SCT-1033

**CAMERA CONTROL CODE TRANSLATOR
JAVELIN RS-232 TO BOSCH BIPHASE Ver. 1.11**

PRODUCT DESCRIPTION

The SCT-1033 is a Javelin to Bosch control code translator designed to permit control of Bosch cameras from Javelin controllers. It receives Javelin RS-232 commands and transmits the appropriate commands in Bosch biphase format. There are four independent biphase outputs.

The biphase output can be limited to fixed-speed-only commands for compatibility with older Burle receivers.

A programming mode is used to send camera setup commands.

Input and output connections are made with mating screw terminal connectors. Front panel LEDs indicate status of power, receive, transmit, and program mode.

There is an optional 19" rack mount panel (one rack unit high).

SPECIFICATIONS

SIZE:	5.57"W x 1.52H x 5.45D
WEIGHT:	1.5 lbs.
POWER:	12Volt to 15Volt AC or DC at 75ma
INDICATORS:	Front panel LEDs: Power, Rx, Tx, & Pgm
JAVELIN RS-232 INPUT:	(1) mating 3-pin screw terminal connector
BIPHASE OUTPUT:	(4) mating 3-pin screw terminal connectors

To install the case on the rack mount frame, remove the front panel and the plastic bezel. The rack mount frame takes the place of the bezel as shown below.
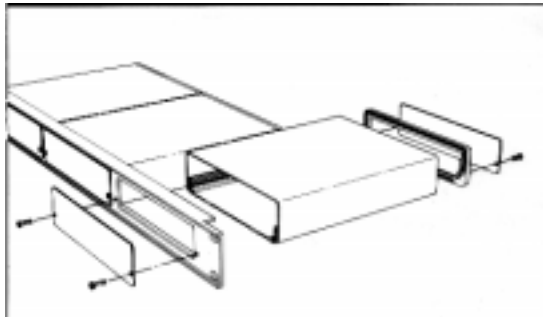
SETTING THE SWITCHES

To set the configuration switches, remove the back panel, which is secured by two screws. Then slide the cover back to expose the switches. The switches can be changed while the code translator is powered up and the new settings will take effect immediately.

CONFIGURATION
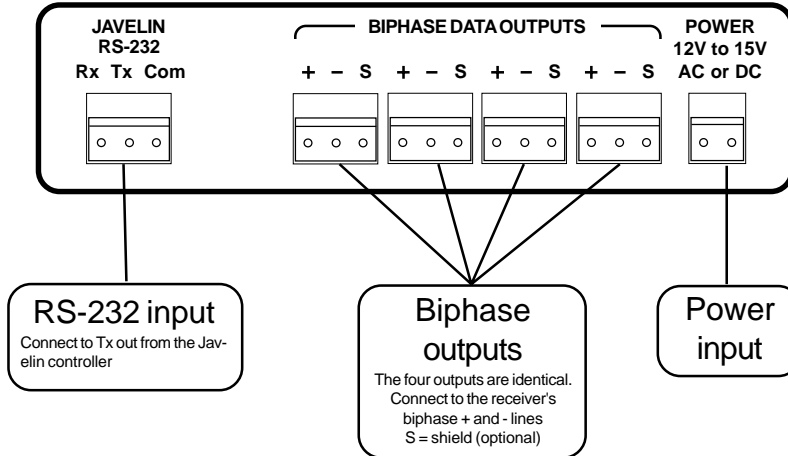SWITCH

ON

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

OFF
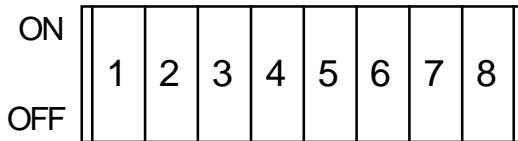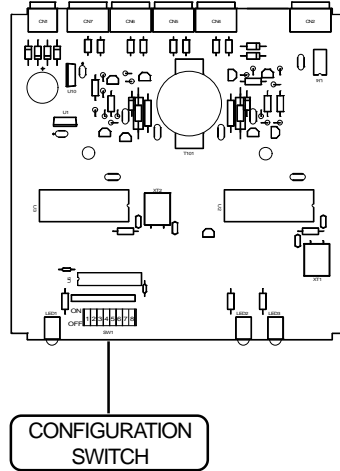
SW1-1
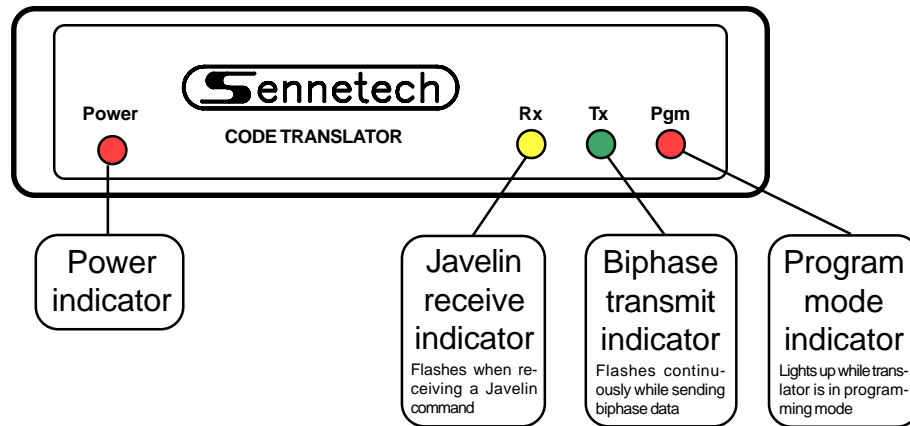BIPHASE CODE TYPE
ON: VARIABLE SPEED
OFF: FIXED SPEED

Set to ON if the receivers can accept
variable speed biphase code
Set to OFF for older receivers that only
recognize fixed speed commands

INSTALLATION

REAR PANEL

JAVELIN RS-232
Rx Tx Com

BIPHASE DATA OUTPUTS
+ − S   + − S   + − S   + − S

POWER 12V to 15V AC or DC

RS-232 input
Connect to Tx out from the Javelin controller

Biphase outputs
The four outputs are identical. Connect to the receiver's biphase + and - lines
S = shield (optional)

Power input

FRONT PANEL

Sennetech
CODE TRANSLATOR

Power   Rx   Tx   Pgm

Power indicator

Javelin receive indicator
Flashes when receiving a Javelin command

Biphase transmit indicator
Flashes continuously while sending biphase data

Program mode indicator
Lights up while translator is in programming mode

The Rx indicator will flash whenever there is data from the Javelin controller. If the input lines have reversed polarity, the Rx indicator will be on solidly. Biphase code is repeating, so the Tx indicator will continue to flash while the camera is moving.

If the code translator is sending data and does not get a follow-up Javelin command in about 12 seconds, it will time out and quit sending that stream of data.

SCT-1033 Ver. 1.11

OPERATION

Pan, Tilt, Zoom, Focus, and Iris commands are converted directly. Javelin pre-positions are converted to Bosch Set and Shot commands.
The F1 and F2 keys will activate autopan and pre-position tour.

Javelin Key	Action
[F1]	Activate Autopan
[F2]	Activate Pre-position Tour

PAN / TILT SPEEDS

Javelin does not send pan or tilt speed data. If configured for variable speed, the code translator will send pan and tilt speed data. On power-up, the default speed is a medium speed. The speed can be changed by using the "F" keys according to the following table.

Javelin Key	Action
[F3]	Decrease tilt speed
[F4]	Increase tilt speed
[F5]	Decrease pan speed
[F6]	Increase pan speed

CAMERA SETUP COMMANDS

Sending [Store] PP# [15] will activate the programming mode. While in programming mode (Pgm indicator is illuminated), the "F" keys are used to send setup commands.

To send a particular setup command, the proper sequence of "F" keys must be pressed. Only one key should be pressed at a time; each key must be released before the next key is pressed. Any nonvalid sequence will cancel programming mode, as will any camera movement command.

The setup command key sequences are grouped by type. All the lens setup commands start with the [F1] key, camera video adjustments start with the [F2] key, and so forth.

F1 - LENS

    F1 - IRIS
        F1 - *MANUAL IRIS*
        F2 - *AUTO IRIS*
        F3 - ADJUST AUTO IRIS LEVEL
            F1 - *DEC AUTO IRIS LEVEL*
            F2 - *INC AUTO IRIS LEVEL*
        F4 - ALC
            F1 - *ALC AVERAGE*
            F2 - *ALC PEAK*
        F5 - AUTO IRIS ACTIVATION ON MOVEMENT
            F1 - *DISABLE AUTO IRIS ACTIVATION ON MOVEMENT*
            F2 - *ENABLE AUTO IRIS ACTIVATION ON MOVEMENT*
    F2 - FOCUS
        F1 - *MANUAL FOCUS*
        F2 - *AUTO FOCUS*
        F3 - *DISABLE AUTO FOCUS ACTIVATION ON MOVEMENT*
        F4 - *ENABLE AUTO FOCUS ACTIVATION ON MOVEMENT*
        F5 - *SPOT FOCUS OFF*
        F6 - *SPOT FOCUS ON*
    F3 - ZOOM RATIO
        F1 - *ZOOM RATIO FULL*
        F2 - *ZOOM RATIO LIMITED*
    F4 - SHUTTER
        F1 - *SHUTTER OFF*
        F2 - *SHUTTER ON*
        F3 - *DEC SHUTTER ADJUSTMENT*
        F4 - *INC SHUTTER ADJUSTMENT*
        F5 - *AUTO SHUTTER OFF*
        F6 - *AUTO SHUTTER ON*

F2 - <u>**CAMERA VIDEO ADJUST**</u>

    F1 - AGC
        F1 - *AGC OFF*
        F2 - *AGC ON*
    F2 - WHITE BALANCE
        F1 - *MANUAL WB*
        F2 - *AUTO WB*
        F3 - *FIXED WB INDOOR*
        F4 - *FIXED WB OUTDOOR*
    F3 - BACKLIGHT COMPENSATION
        F1 - *BACKLIGHT COMP OFF*
        F2 - *BACKLIGHT COMP ON*
    F4 - HIGHLIGHT
        F1 - *HIGHLIGHT OFF*
        F2 - *HIGHLIGHT ON*
    F5 - COLOR GAIN
        F1 - *DEC RED*
        F2 - *INC RED*
        F3 - *DEC BLUE*
        F4 - *INC BLUE*
    F6 - HUE
        F1 - *DEC R-Y*
        F2 - *INC R-Y*
        F3 - *DEC B-Y*
        F4 - *INC B-Y*

F3 - <u>**SCAN / TOUR**</u>

    F1 - AUTOPAN SPEED
        F1 - *DEC SPEED*
        F2 - *INC SPEED*
    F2 - AUTOPAN LIMITS
        F1 - *SHOW LEFT LIMIT*
        F2 - *SHOW RIGHT LIMIT*
        F3 - *SET LEFT LIMIT*
        F4 - *SET RIGHT LIMIT*
    F3 - TOUR PERIOD
        F1 - *DEC TOUR PERIOD*
        F2 - *INC TOUR PERIOD*
    F4 - AUTO RETURN HOME AFTER
INACTIVITY
        F1 - *DISABLE*
        F2 - *ENABLE*
    F5 - PAN AUTOSPEED
        F1 - *OFF*
        F2 - *ON*
    F6 - AUTO PIVOT
        F1 - OFF
        F2 - ON

F4 - <u>**RECORDING**</u>

    F1 - *STOP RECORD*
    F2 - *START RECORD*
    F3 - *RESUME RECORD*
    F4 - *START SINGLE PLAYBACK*
    F5 - *START CONTINUOUS PLAYBACK*
    F6 - *RESUME PLAYBACK*

F5 - <u>**SYSTEM**</u>

    F1 - SYNC MODE
        F1 - *CRYSTAL*
        F2 - *LINE LOCK*
    F2 - LINE LOCK PHASE ADJ
        F1 - *DEC PHASE*
        F2 - *INC PHASE*
    F3 - COMMAND LOCK
        F1 - *LOCK COMMANDS*
        F2 - *UNLOCK COMMANDS*
    F3 - FAST ADDRESS
        F1 - *DISPLAY*
        F2 - *SET MENU*
    F5 - FIRMWARE INFO
        F1 - *DISPLAY*
    F6 - FACTORY DEFAULTS
        F1 - *SET DEFAULTS*

F6 - <u>**ON SCREEN DISPLAY**</u>

    F1 - OSD DISPLAY
        F1 - *OFF*
        F2 - *ON*
    F2 - OSD ADJUST
        F1 - *MENU*
        F2 - *ON*
    F3 - PP TITLES
        F1 - *MENU*
        F2 - *ON*
    F4 - ZONE TITLES
        F1 - *MENU*
        F2 - *ON*

8