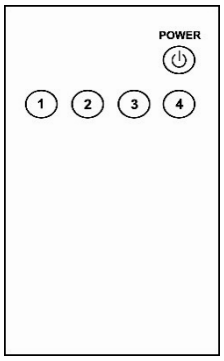
input. Each time the switch is pressed, the next input in sequence (from left to right) is selected. LED displays indicate which input is active. Finally, there is an On/Off Power Switch and an indicator LED that shows when the unit is turned on.

5.1 Operation of the 1T-SX-632 or 1T-SX-634 via Remote Control



Operation of the HDMI Switchers is possible via an included Infrared Remote Control. Selection of Enhance mode is not possible from the IR Remote however the unit can be turned on and off and the inputs can be selected simply by pressing the appropriate button on the remote.

NOTE: When you unpack either HDMI Switcher, you may have to remove an insulator from the battery compartment of the remote in order for the remote to receive power. The battery compartment slides out from the bottom of the unit.

5.2 Operation of the 1T-SX-632 or 1T-SX-634 via RS-232 Machine Control

Operation using RS-232 protocols is possible for either HDMI Switcher. The technical information needed is provided in the two charts which follow but if you are not technically inclined, seek help from an appropriately trained individual since cables will have to be constructed and programs written to use the RS-232 capabilities.

5.2.1 Connector Pin Outs

HDMI Switcher			Controller	
Pin Number	Definition		Pin Number	Definition
1	NC		1	NC
2	Tx	→	2	Rx
3	Rx	←	3	Tx
4	NC		4	NC
5	GND		5	GND
6	NC		6	NC
7	NC		7	NC
8	NC		8	NC
9	NC		9	NC

5.2.2 Communications Protocol

Baud Rate: 9600 bps
Data Structure: 8 Bits
Parity: None
Stop Bit: 1 bit
Flow Control: None

5.2.3 Command Set

This table contains the command set that is available for control of the 1T-SX-632 and 1T-SX-634. You should adhere to this structure when controlling the unit via a computer or a hardwired controller.

Command	Action
"I" + "1"	Port 1 On
"I" + "2"	Port 2 On
"I" + "3"	Port 3 On
"I" + "4"	Port 4 On
"S" + "1"	Enable Signal Enhance
"S" + "0"	Disable Signal Enhance
"P" + "1"	Power On
"P" + "0"	Power Off

6.0 TROUBLESHOOTING

In the event of problems, first make certain that the input and output cables are no more than 50 feet long (for signals to 1080i resolution) and are of the highest possible quality. Next, make certain that the Switcher is receiving power.

If all is well in these areas, remember that HDMI devices communicate with one another so the source devices and destination device must be fully HDMI capable. In addition, HDCP encryption requires additional processing which also is dependent on the equipment you have connected to the sources and destination device. If you experience problems using the 1T-SX-632 or 1T-SX-634 HDMI Switcher, you should attempt to determine what is wrong by attaching each of the source devices – one at a time – directly to the destination device using the same cables you are using with the expanded system. This is a way of determining if the problem is due to bad cables or a problem with the other devices. If you are unable to obtain a signal using this simplified path, suspect the cables, the source device(s) or the destination device.

Note: It is strongly recommended that you use premium cables in order to achieve maximum distance cable runs and the best performance possible.

After trying the above suggestions should the problem still persist, contact your dealer for additional suggestions before contacting tvONE. Should the dealer's technical personnel be unable to assist you, contact tvONE via our support website: ***http://tvone.crmdesk.com.*** Create a technical support request on the site and our support team will respond within a short period of time.