

FCC COMPLIANCE STATEMENT

CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Re-orient the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

Warranty

Digital Security Controls Ltd. warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

WARNING: Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected

IMPORTANT INFORMATION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void the user's authority to operate this equipment.



DSC® Home Systems is a division of Digital Security Controls Ltd.

©2000 Digital Security Controls Ltd.

Toronto, Canada

1-800-387-3630 • www.dsc.com

Printed in Canada 29005811 R001



HS-VT1640 Telecom/Video Module

Installation Instructions

Introduction

The HS-VT1640 combines a 1 x 6 telecom module with a 1 x 4 video splitter on the same mounting plate for use with the DSC Concourse Home Wiring Systems solution. The telecom section features one 8 position 110 IDC connector for up to 4 incoming lines, six 8 position 110 IDC connectors for connecting outlets to the system and an RJ31X jack as a security system connection. The video section features one ANT/CATV input and four outputs for multi-room video signal distribution. All splitter connectors use "F" style fittings.

Features

- 1 8 position 110 IDC connector for up to 4 incoming lines
 - 6 8 position 110 IDC connectors for connecting outlets to the system
 - 1 RJ31X jack for security system connection
 - 1 ANT/CATV input
 - 4 ANT/CATV output for multi-room video signal distribution
- All splitter connectors use "F" style fittings

Specifications

RF Splitter

Bandwidth:	5MHz – 1GHz
Insertion Loss:	6.5 dB (MAX)
Isolation P to P:25 dB (MIN)
Return Loss:	18 dB (MAX)
Impedance:	75 Ohm

Telecom module

Telephone Input Lines:	4
Applicable Wiring Standard:	T568A
Output Connections:	6
Security Interfaces (RJ31X):	Line 1
Input Connection:	110 Style IDC
Output Connection:	110 Style IDC
Line Out Connection:	None

Contents of Package

- 1 1 x 4 Video Splitter on a mounting plate
- 1 1 x 6 Telecom Distribution Module
- 7 Plastic standoffs.

Installation Instructions

- Insert the standoffs (7) into the mounting plate to match the hole positions on the telecom distribution module. Refer to figure 1.
- Align the Telecom Distribution Module over the stand-offs and snap in place.
- Locate a suitable mounting location for the HS-VT1640 Telecom/Video module inside the cabinet. The upper left corner of the cabinet is recommended.
- Align the two mounting tabs with the slots in the wire raceway and insert the module.
- Align the locating pin with the hole in the cabinet and snap module in place.

Wiring Instructions

Incoming Service Cables

- Route the incoming telephone service cable(s) into the cabinet through the raceway to the HS-VT1640 module. Allow sufficient length at both ends of the cable run to avoid stress to cables and connectors, and to permit proper termination and trim out.
- Terminate the incoming telecom service cable(s) at the telephone line-in connector labeled IDC 1, using a 110 punchdown tool. Line 1 terminates at L1, Line 2 at L2, Line 2 at L3 and Line 4 at L4. See Figure 1.
- Route the incoming video service cable into the cabinet through the raceway to the HS-VT1640 module. Allow sufficient length at both ends of the cable run to avoid stress to cables and connectors, and to permit proper termination and trim out.
- Attach a standard "F" style connector to the incoming service cable. Connect the terminated incoming service cable at the terminal marked "IN". See Figure 1.
- Test all connections to confirm proper installation and termination.

Outlet Cables

- Run CAT5 cable to each desired telecom location and route the cables into the cabinet through the raceway to the HS-VT1640 module. Allow sufficient length at both ends of the cable run to avoid stress to cables and connectors, and to permit proper termination and trim out. Label each cable at both ends for easy identification.
- Terminate each CAT5 drop at the desired location using an RJ45 keystone jack wired to TIA T568A standard observing proper CAT5 wiring practices. Trim out using the appropriate wall plate. If using a multiple wall outlet, identify the telecom jack accordingly.
- Terminate each CAT5 drop at the HS-VT1640 module IDC termination blocks labeled IDC 2 through IDC 7 using a 110 punchdown tool and observing proper CAT5 wiring practices. See Figure 1.
- Run RG6 coax cable to each desired location and route the cables into the cabinet through the raceway to the HS-VT1640 module. Allow sufficient length at both ends of the cable run to avoid stress to cables and connectors, and to permit proper termination and trim out. Label each cable at both ends for easier identification.
- Terminate each RG6 drop at the desired location using an "F" style connector. Attach the connector to an "F" style jack and trim out using the appropriate wall plate. If using a multiple wall outlet, identify the jack accordingly.
- Terminate each RG6 drop at the HS-VT1640 module using a standard "F" style connector. Connect the terminated drops to the terminals marked ↑ or ↓.
- Terminate any unused output terminals with a 75Ω terminator.
- Test all connections to confirm proper installation and termination.

Figure 1 - Installation

