

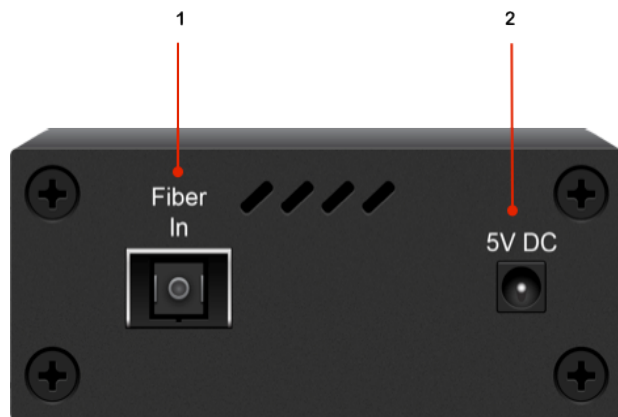
The HRX-F001 is an HDMI™ over Fiber Receiver interface, providing a single HDMI™ output for a single display device (sink). It connects to the headend or source location using a single multimode fiber strand. The HRX-F001 paired with the VOM-F004 module enables wiring distances up to 1000 feet using multi-mode fiber optic cable.

## Box Contents

Remove the supplied items from the box.

- HRX-F001
- (1) Wall Mount Universal Power Pack, 5V DC with US, EU, UK, and SAA power clips
- Quick Reference Guide (this document)
- Installation Kit

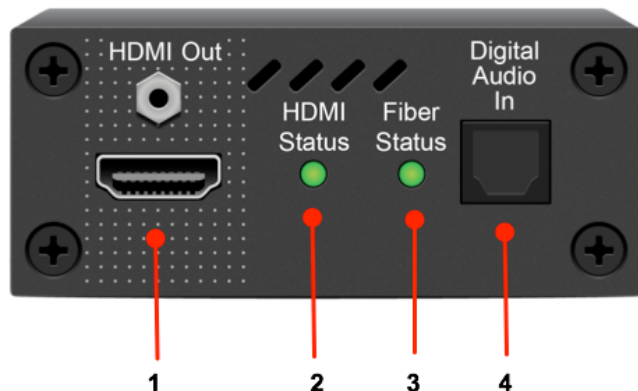
## Front Panel



The next table describes the functionality on the front panel of an HRX-F001.

1	SC Fiber In, digital audio/video input	Transporting video and audio through SC type optical connection.
2	5V DC	Barrel connector, 100-240V AC, 50/60 Hz V DC to 5V DC.

## Rear Panel



The next table describes the functionality on the rear panel of an HRX-F001.

1	HDMI digital AV output	HDMI™ Output, 19-pin Type HDMI female; DVI Output requires adapter (not included) Supports up to 1080p60 HDTV and WUXGA computer signals with HDCP, Deep Color, 3D, and multi-channel HD lossless audio.
2	HDMI status light	(1) Green / Red dual-color LED, will flash red during HDCP handshaking.
3	Fiber in status light	(1) Green LED indicates link status to an upstream SmartMediaPro device. (1) Red LED indicates no optical signal present.
4	Digital Audio Input (ToSLink)	Reserved for future use.

## Specifications

Temperature	32° to 104° F (0° to 40° C)
Humidity	5% to 95% RH (non-condensing)
Maximum BTU	2.5 W, 9 BTUs per hour
Height	1.3 in/3.3cm
Width	3.0 in/7.6cm
Depth	3.1 in/7.9cm
Weight	Approx. 0.5 lbs (0.23 kgs)
Input Power	5 V DC power pack, barrel connector, 100-240V AC, 50/60 Hz Nominal Input Power: 2W for 120V AC, 60Hz (N. America) Maximum Input Power: 2.5W for 120V AC, 60Hz (N. America)
1550 nm Tx Launch	-3 dBm
Rx Sensitivity (850 nm, 1310 nm)	-19 dBm
Safety and Emissions	FCC Part 15 Class B/CE Mark
RoHS	Compliant

## Fiber Cables

The Savant fiber solutions are compatible with commonly available fiber optic cables and termination kits. The Savant fiber solutions have been vigorously tested using OM3 SC-SC MM 50/125 fiber optic cable (OM3) further explained as follows:

- OM3 is the fiber classification
- SC is the Style Connector
- MM refers to multi-mode fiber
- 50/125 is the core and cladding diameters in microns

The Savant fiber solutions use a single strand of fiber optic cable per connection. Savant recommends that at minimum two fiber strands are run and available for redundancy and expansion.

Standard OM3 fiber optic cable is prevalent and it is recommended for Savant fiber applications. When installing fiber optic cables, ensure that you have an adequate bend radius available in any conduit you are using. Most fiber optic cables can support a bend radius of three inches under load. It is also recommended that you install spare fiber optic strands in the event the fiber breaks.

## Installation

The HRX-F001 installs to a wall, ceiling, or other flat surface. It can be placed behind a flat panel display or above a ceiling-mounted projector. Use LED indicators at a glance for easy setup and troubleshooting.

## Installing the HRX-F001

The next figure shows how to install the mounting brackets on the HRX-F001 using the screw tube on the sides of the unit.



## Additional Documentation

Navigate as follows to access additional documentation available at: [SavantSystems.com](http://SavantSystems.com):

**Dealer Login > Knowledge Base > Savant Hardware > Fiber > Receivers**