



## MU400-111 / MU500-112 Product Data Sheet

MUSE® AV Distribution System

# Muse HDMI®+Power+ RS-232+IR Transmitter and Receiver

Part Number: MU400-111 TX  
MU500-112 RX  
MU600-001 SET



A revolutionary way to provide Video, Control and Power at the end of a 300' low voltage, unshielded CAT-6 cable.

With advanced power conversion, MUSE provides users with a safe, **LOW VOLTAGE** way to get everything you need at a display: 120V Power Socket (150 watts max. continuous), Video and Control signals. With advanced algorithms in place, MUSE allows a large “inrush” of power - up to 220 watts\* during the critical startup period. MUSE is safe, reliable and fully compliant with HDMI and HDCP standards and meets UL60950-1 standard. MUSE provides users and installers with total flexibility in installations. Installations have never been easier.

\*220 watts maximum inrush power at 25' cable length. Available inrush power diminishes 5 watts per 50'. Maximum inrush power at 300' is 190 watts.

### COMPACT FORM FACTOR

With their durable, compact metal enclosures, the MU400-111 transmitter and MU500-112 receiver can fit just about anywhere, hidden from sight—ensuring a clean, uncluttered appearance.

### IR AND RS-232 CAPABILITY

The Muse transmitter and receiver combination have a built in IR and RS-232 channel that facilitates sending IR signals from the receiver (display side of the system) back to the transmitter (source side) to control the AV equipment. This feature enables one, for example, to change the TV channel while viewing the display, regardless of where the cable box is physically located. The RS-232 provides bi-directional capability to control display devices.

### ROBUST, SAFE OPERATION

The output of the MU400-111 transmitter is monitored for power consumption and when power is exceeded, the output is turned off to protect the system. Advanced safety features include: continuous power overload monitoring, short circuit protection, and automatic power recovery.



**SPECIFICATIONS**

**MECHANICAL**

Material:	0.031 steel
Color:	Silver
MTBF (calc.):	45,000 hrs. (Calculated)
Transmitter (preliminary):	
Height:	2.5in (64mm)
Width:	3.3in (84mm)
Depth:	6.9in (175mm)
Weight:	2.2lbs (1.0kg)
Receiver (preliminary):	
Height:	1.7in (43mm)
Width:	4.3in (109mm)
Depth:	8.7in (221mm)
Weight:	2lbs (0.9kg)
T° Operating:	10°C-50°C (Ambient)
T° Maximum:	75°C non-operational
Humidity:	90% non-condensing

**MUSE Handhelds Description**

**SIGNALS**

HDMI video with HDCP  
IR for Receiver control  
RS-232 Bi-Directional (4800 to 9600 baud rate)

**ACCESSORIES INCLUDED**

Power Cord: PC5301US

**CERTIFICATIONS**

UL60950-1  
HDMI and HDCP Compliant

**WARRANTY**

3 Year Warranty

**OPTIONAL EQUIPMENT**

IR Emitter: AC301-114  
IR Receiver: AC301-115

**ELECTRICAL**

**MUSE Handhelds Description**

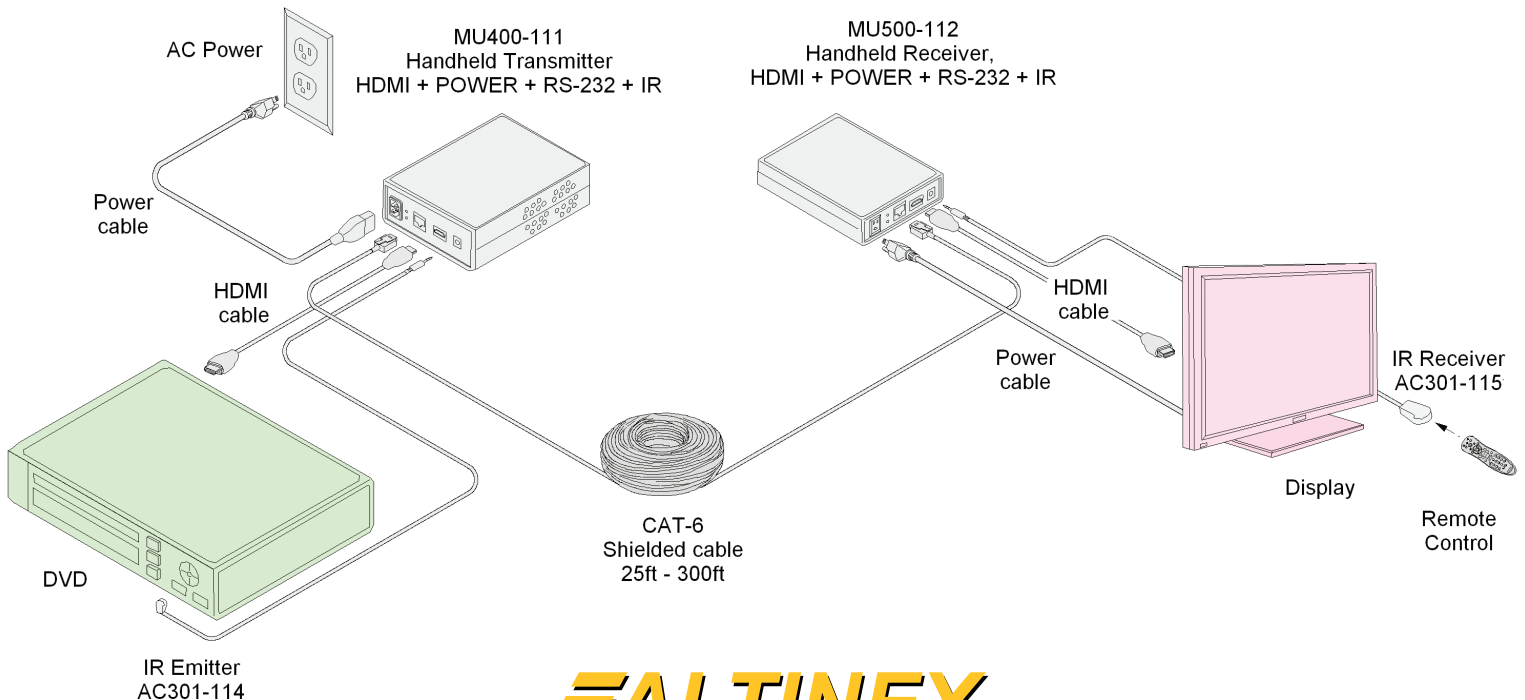
Video Signal Levels:

Video Input:	HDMI
Video Output:	HDMI

Power:

Receiver (from transmitter) to load:	150W max.
Receiver AC Output Voltage:	120V AC nominal (sinewave)
Transmitter (total power to receiver):	172W max
Transmitter (total power consumption):	250W max

**SAMPLE APPLICATION**



**ALTINEX**  
Easy to use • Easy to install • Easy to maintain

592 Apollo Street, Brea, California 92821 USA  
1-(800) ALTINEX • (714) 990-2300