

CAT-5 BALUNS



NILES CAT-5 BALUNS: CONNECTIVITY SOLUTIONS WITH MIX-AND-MATCH VERSATILITY

Niles CAT-5 Baluns simplify installations, provide additional flexibility, and reduce costs wherever long cable runs are required. Niles CAT-5 Baluns also make it possible to expand systems in homes and buildings already wired with CAT-5 cable. Used in pairs, every Niles Balun was designed with a specific application in mind: from sending analog audio to an upstairs bedroom, to sending HDMI signals across the house to the family room. Niles makes two versions of each balun: a clean, low profile wallmount and a compact chassis style. They can be mixed and matched to create a custom solution for any installation project. And since they're made by Niles, you know they're rugged and reliable. In fact, most come with a limited ten-year warranty to ensure years of trouble-free performance.



HDMI CAT-5 Baluns

CAT-5 HDMI Transmit Balun

C5-HDMI T



CAT-5 Wall Mount

C5-HDMI TWM

Stock Number

FG01566

HDMI Transmit Balun

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Features

- Shielded CAT-5 connectors
- Compatible with HDMI resolutions from 480i to 1080p
- A Transmitter and Receiver Balun are required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6 UTP and STP
- *Actual performance may vary based on multiple factors unique to the installation

Features

- Compatible with HDMI resolutions from 480i to 1080p
- required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- UTP and STP

- Specifications
- Overall dimensions: 4.75" (120.7 mm) W x .85" (21.6 mm) H x 2" (50.8 mm) D
- Transmission Distance at each resolution*: o 480i, 480p, 720p and 1080i-up to 200 feet (61 m)
 - o 1080p-up to 100 feet (30.5 m)
- 5V power supply included
- Warranty: Two-year limited

Shipping weight: 1 lb.

- Shielded CAT-5 connectors
- A Transmitter and Receiver Balun are
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6
- 1-Gang Decora[®] Style
- Decora[®] wall plate included

- Specifications
- Overall dimensions: 4.75" (120.7 mm) W x .85" (21.6 mm) H x 2" (50.8 mm) D
- Transmission Distance at each resolution*: o 480i, 480p, 720p and 1080i-up to 200 feet (61 m)
 - o 1080p-up to 100 feet (30.5 m)

5V power supply included Warranty: Two-year limited Shipping weight: 1 lb.

*Actual performance may vary based on multiple factors unique to the installation

CAT-5 HDMI Receive Balun

C5-HDMI R

Stock Number FG01564



CAT-5 Wall Mount HDMI Receive Balun

C5-HDMI RWM

Stock Number

FG01567

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Features

- Shielded CAT-5 connectors
- Compatible with HDMI resolutions from 480i to 1080p
- A Transmitter and Receiver Balun are required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6 UTP and STP

Specifications

- Overall dimensions: 4.75" (120.7 mm) W x .85" (21.6 mm) H x 2" (50.8 mm) D
- Transmission Distance at each resolution*:
 - 480i, 480p, 720p and 1080i-up to
 - 1080p-up to 100 feet (30.5 m)0'
- 5V power supply included with Transmit models

Warranty: Two-year limited Shipping weight: 1 lb.

*Actual performance may vary based on multiple factors unique to the installation

Features

- Shielded CAT-5 connectors
- Compatible with HDMI resolutions from 480i to 1080p
- A Transmitter and Receiver Balun are required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6 UTP and STP
- 1-Gang Decora[®] Style
- Decora[®] wall plate included

Specifications

- Overall dimensions: 4.75" (120.7 mm) W x .85" (21.6 mm) H x 2" (50.8 mm) D
- Cut out size: 1.87" (47.5 mm) W x 3.00" (76.2 mm) H x 2.50" (63.50 mm) D
- Transmission Distance at each resolution*: • 480i, 480p, 720p and 1080i-up to
- 200 feet (61 m)
- 1080p-up to 100 feet (30.5 m)
- 5V power supply included with Transmit models

Warranty: Two-year limited Shipping weight: 1 lb.

*Actual performance may vary based on multiple factors unique to the installation

BLENDING HIGH FIDELITY AND ARCHITECTURE®

200 feet (61 m)



Audio - CAT-5 Baluns

CAT-5 Stereo Audio Balun

C5-A2

Stock Number



Features

- CAT-5 connector
- Gold-Plated Color Coded RCA Connectors
- Universal Mounting Holes

Specifications

- Overall dimensions:
 4.75" (120.7 mm) W x .85"
 (21.6 mm) H x 2" (50.8 mm) D
- Bandwidth: 20 Hz 20 kHz
- Transmission Distance:
 2,000' (CAT-3 UTP)
 2,500' (CAT-5 UTP)

Warranty: Ten-year limited

Shipping weight: 1 lb.

CAT-5 Stereo Audio Wall Mount Balun

C5-A2WM

Stock Number

FG01367



CAT-5 Digital Audio Balun

C5-DA

Stock Number FG01279



CAT-5 Digital Audio Wall Mount Balun

C5-DAWM

Stock Number FG01368



Features

- CAT-5 connector
 Gold-Plated Color Coded RCA Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

Specifications

- Overall dimensions:
 1.75" (44.45 mm) W x 2.84"
 (72.14 mm) H x 1.99"
 (50.55 mm) D
- Cut out size:
- 1.87" (47.5 mm) W x 3.00" (76.2 mm) H x 2.50" (63.50 mm) D
- Bandwidth: 20 Hz 20 kHz
- Transmission Distance:
 2,000' (CAT-3 UTP)
 2,500' (CAT-5 UTP)

Warranty: Ten-year limited

Shipping weight: 1 lb

Features

- CAT-5 connector
- Gold-Plated Color Coded RCA Connector
- Universal Mounting Holes

Specifications

- Overall dimensions:
 4.75" (120.7 mm) W x .85"
 (21.6 mm) H x 2" (50.8 mm) D
- Bandwidth: 25 MHz, 1 dB
- Transmission Distance: 600' (180 m)

Warranty: Ten-year limited

Shipping weight: 1 lb.

Features

- CAT-5 connector
- Gold-Plated Color Coded RCA Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

Specifications

- Overall dimensions:
 1.75" (44.45 mm) W x 2.84"
 (72.14 mm) H x 1.99"
 (50.55 mm) D
- Cut out size:
 1.87" (47.5 mm) W x 3.00"
 (76.2 mm) H x 2.50" (63.50 mm) D
- Bandwidth: 25 MHz 1 dB
- Transmission Distance: 600' (180 m)

Warranty: Ten-year limited

Shipping weight: 1 lb.

Blending High Fidelity And Architecture®





Video - CAT-5 Baluns



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Video - CAT-5 Baluns

CAT-5 VGA Balun Features Transmission Distance: Shielded CAT-5 connector CAT-5 STP: C5-VGA 640 x 480 pixels, 50 Hz Requires shielded CAT-5 cable (15 MHz): 330' (100 m) DB-15HD Connector Stock Number 800 x 600 pixels, 60 Hz Universal Mounting Holes (30 MHz): 330' (100 m) FG01274 Specifications 1024 x 768 pixels, 75 Hz Overall dimensions: (60 MHz): 250' (75 m) 4.75" (120.7 mm) W x .85" 1280 x 1024 pixels, 75 Hz (21.6 mm) H x 2" (50.8 mm) D (100 MHz): 165' (50 m) Bandwidth: 0 - 50 MHz, -3 dB at 165' (50 m) Warranty: Ten-year limited Shipping weight: 1 lb. Features Bandwidth: **CAT-5 VGA Wall Mount Balun** Shielded CAT-5 connector 0 - 50 MHz, -3 dB at 165' (50 m) C5-VGAWM Requires shielded CAT-5 cable Transmission Distance: CAT-5 STP: DB-15HD Connector Stock Number 640 x 480 pixels, 50 Hz 1-Gang Decora Style (15 MHz): 330' (100 m) FG01371 Decora Wall Plate Included 800 x 600 pixels, 60 Hz Specifications (30 MHz): 330' (100 m) Overall dimensions: 1024 x 768 pixels, 75 Hz 1.75" (44.45 mm) W x 2.84" (60 MHz): 250' (75 m) (72.14 mm) H x 1.99" (50.55 mm) D 1280 x 1024 pixels, 75 Hz Cut out size: (100 MHz): 165' (50 m) 1.87" (47.5 mm) W x 3.00" (76.2 mm) H x 2.50" (63.50 mm) D Warranty: Ten-year limited Shipping weight: 1 lb. Audio/Video - CAT-5 Baluns **CAT-5 S-Video & Stereo** Features CAT-5 connector Bandwidth: Audio Balun Y: DC to 6 MHz Gold Plated Color Coded RCA C: 1 MHz to 6 MHz C5-SVA2 Connectors Transmission Distance: Gold Plated S-Video DIN S-Video: 500' (150 m) (CAT-5 UTP) Stock Number Connector Universal Mounting Holes Warranty: Ten-year limited FG01275 Specifications Shipping weight: 1 lb. Overall dimensions: 4.75" (120.7 mm) W x .85" (21.6 mm) H x 2" (50.8 mm) D **CAT-5 S-Video and Stereo** Features CAT-5 connector Cut out size: **Audio Wall Mount Balun** 1.87" (47.5 mm) W x 3.00" Gold Plated Color Coded (76.2 mm) H x 2.50" (63.50 mm) D C5-SVA2WM RCA Connectors Bandwidth: S-Video DIN Connector Y: DC to 6 MHz Stock Number 1-Gang Decora Style C: 1 MHz to 6 MHz FG01373 Decora Wall Plate Included Transmission Distance:

Specifications

Overall dimensions: 1.75" (44.45 mm) W x 2.84" (72.14 mm) H x 1.99" (50.55 mm) D

- S-Video: 500' (150 m) (CAT-5 UTP)

Warranty: Ten-year limited

Shipping weight: 1 lb.

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Audio/Video - CAT-5 Baluns

CAT-5 Video & Stereo Audio Balun

C5-VA2

Stock Number



CAT-5 Video and Stereo Audio Wall Mount Balun

C5-VA2WM

Stock Number

FG01372



CAT-5 Component Video & Digital Audio Balun

C5-HDDA

Stock Number

FG01276



CAT-5 Component Video & Digital Audio Wall Mount Balun

C5-HDDAWM

Stock Number

FG01374



Features

- CAT-5 connector
- Gold Plated Color Coded RCA Connectors
- Universal Mounting Holes

Specifications

- Overall dimensions: 4.75" (120.7 mm) W x .85" (21.6 mm) H x 2" (50.8 mm) D
- Bandwidth: Video: DC to 10 MHz, Audio: 20 Hz – 20 kHz

Features

- CAT-5 connector Gold Plated Color Coded
- **RCA** Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

Specifications

- Overall dimensions: 1.75" (44.45 mm) W x 2.84" (72.14 mm) H x 1.99" (50.55 mm) D Cut out size:
 - 1.87" (47.5 mm) W x 3.00" (76.2 mm) H x 2.50" (63.50 mm) D

Transmission Distance: Color: 1,500' (CAT-3 UTP) 2,200' (CAT-5 UTP) B&W: 2,000' (CAT-3 UTP) 2,500' (CAT-5 UTP)

Warranty: Ten-year limited

Shipping weight: 1 lb.

Bandwidth: Video: DC to 10 MHz Audio: 20 Hz – 20 kHz

Transmission Distance: Color: 1,500' (CAT-3 UTP) 2,200' (CAT-5 UTP) B & W: 2.000' (CAT-3 UTP) 2,500' (CAT-5 UTP)

Warranty: Ten-year limited

Shipping weight: 1 lb.

Features

- CAT-5 connector
- Gold Plated Color Coded RCA Connectors
- Universal Mounting Holes
- Can be used with VS-6 Component Video Switcher

Specifications

Features

Overall dimensions: 4.75" (120.7 mm) W x .85" (21.6 mm) H x 2" (50.8 mm) D

Bandwidth:

- Video: 0 60 MHz, 3 dB Digital Audio: 25 MHz, - 1 dB
- Transmission Distance: Video, Color, CAT-5 UTP or STP: 480i/p:1,000' (300 m) 720p: 500' (150 m) 1080i: 500' (150 m) Digital Audio: 500' (150 m)

Warranty: Ten-year limited

Shipping weight: 1 lb.

Gold Plated Color Coded **RCA** Connectors

1-Gang Decora Style

CAT-5 connector

- Decora Wall Plate Included
- Can be used with VS-6 Component Video Switcher

Specifications

- Overall dimensions: 1.75" (44.45 mm) W x 2.84" (72.14 mm) H x 1.99" (50.55 mm) D
- Cut out size: 1.87" (47.5 mm) W x 3.00" (76.2 mm) H x 2.50" (63.50 mm) D
- Bandwidth: Video: 0 - 60 MHz, - 3 dB, Digital Audio: 25 MHz, - 1 dB
- Transmission Distance: Video, Color, CAT-5 UTP or STP: 480i/p:1,000' (300 m) 720p: 500' (150 m), 1080i: 500' (150 m), Digital Audio: 500' (150 m)

Warranty: Ten-year limited

Shipping weight: 1 lb.

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RF - CAT-5 Baluns

CAT-5 Cable TV/Antenna Balun

C5-RF





Features

- CAT-5 connector
- Nickel Plated RF Connector
- Universal Mounting Holes

Specifications Overall dimensions:

- 4.75" (120.7 mm) W x .85" (21.6 mm) H x 2" (50.8 mm) D
- Bandwidth: 5 MHz to 550 MHz

Transmission Distance: Up to 330' (100 m) using CAT-5 UTP

Warranty: Ten-year limited

Shipping weight: 1 lb.

CAT-5 Cable TV/Antenna Wall Mount Balun

C5-RFWM

Stock Number FG01375



Features

CAT-5 connector

- RF Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

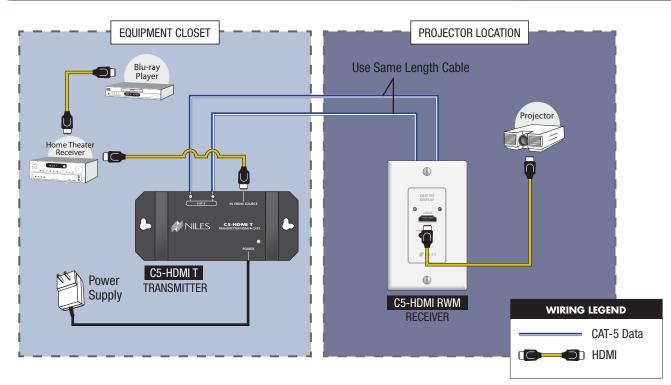
Specifications

- Overall dimensions:
 1.75" (44.45 mm) W x 2.84"
 (72.14 mm) H x 1.99" (50.55 mm) D
- Cut out size:
 1.87" (47.5 mm) W x 3.00"
 (76.2 mm) H x 2.50" (63.50 mm) D
- Bandwidth: 5 MHz to 550 MHz
- Transmission Distance: Up to 330' (100 m) using CAT-5 UTP

Warranty: Ten-year limited

Shipping weight: 1 lb.

CAT-5 Baluns Connection Diagram (Audio/Video Receiver to TV)



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