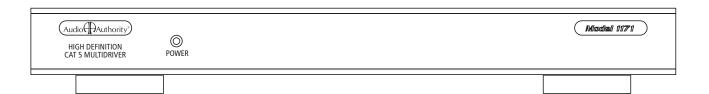
# **Installation and Operation**



## Model 1171 High Definition Cat 5 MultiDriver™



# **Installation and Operation Manual**

**Model 1171** High Definition Cat 5 MultiDriver™

 $Cwfkq"Cwvjqtkv{"cpf"vjg"Fqwdng/C"U{odqn"ctg"tgikuvgtgf"vtcfgoctmu"qh"Cwfkq"Cwvjqtkv{"Eqtr0"}}$  $CwvqUgngev"ku"c"vtcfgoctm"qh"Cwfkq"Cwvjqtkv\{0""Eqr\{tkijv"Pqxgodgt."4228."cm"tkijvu"tgugtxgf0\}$ 

> Cwfkq"Cwvjqtkv{"Eqtrqtcvkqp Ngzkpivqp."Mgpvwem{

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#### Warnings

 $Vq"tgfweg"vjg"tkum"qh"\\ \label{eq:continuous} Vq"tgfweg"vjg"tkum"qh"\\ \label{eq:continuous} \label{eq:continuous} Vq"tgfweg"vjg"tkum"qh"\\ \label{eq:continuous} \label{eq:continuous} Vq"tgfweg"vjg"tkum"qh"\\ \label{eq:continuous} \label{eq:continuous} Vq"tgfweg"vjg"tkum"qh"\\ \label{eq:continuous} \label{eq:continuous} \label{eq:continuous} Vq"tgfweg"vjg"tkum"qh"\\ \label{eq:continuous} \label{eq:continuous} \label{eq:continuous} Vq"tgfweg"vjg"tkum"qh"\\ \label{eq:continuous} \label$ 



 $\label{eq:continuity} Vjg"gzenc\ o\ cvkqp"rqkpv"u\{\ o\ dqn"cngtvu"wugtu"vq"k\ o\ rqtvcpv"qrgtcvkpi\ "cpf"\ o\ ckpvgpcpeg"kpuvtwevkqpukp"viku"\ o\ cpwcn0 \\$ 

- $\bullet \ Tgc \ f"vjgug" kpuvtwevkqpu" dghqtg" kpuvcnnkpi" qt" wukpi" vjku" rtq fwev 0 \\$

- Fq"pqv"qrgp"vjg"eqxgt ô vjgtg"ctg"pq"wugt/ugtxkegcdng"rctvu"kpukfgl
- Fq"pqv"gzrqug"vjku"wpkv"vq"gzeguukxg"jgcv0
- Kpuvcnn"qpn{"kp"ft{."kpfqqt"nqecvkqpu0
- Engcp"vjg"wpkv"qpn{"ykvj"c"ft{"qt"unkijvn{"fcorgpgf"uqhv"enqvjl

#### **Getting Started**

- r Tgcf"vigug"kpuvtwevkapu0
- Wprcem"vjg"rtqfwev"cpf"kvu"ceeguuqtkgul
- + Eqppgev"cuuqekcvgf"gswkrogpv"\*fgvckngf"kpuvtwevkqpu"ctg"hqwpf"kp"vjg"Kpuvcmcvkqp"Ugevkqp+0.
- $\label{eq:continuous} Eqppgev"vjg"rtqfwev"vq"c"uwkvcdng"rqygt"qwvngv"wukpi"qpn{"vjg"rqygt"uwrrn{"rtqxkfgf0}}$

#### **General Information**

 $\label{thm:continuity} Vjg"Oqfgn"; :9: "Ecv"7" JFVX" Eqppgevkqp"Rncvgu"* Ycmrncvgu+. "gpcdngu JFVX" uk i pcnu"vq"dg" fkuvtkdwvgf"vq" o wnvkrng"nqecvkqpu"htq o "c"ukp i ng"uqwteg0" Eq o rqpgpv"xk fgq"* [RdRt+."cpcnqi uvgtgq"cwfkq."cpf"eqczkcn" fk i kvcn"cwfkq"ecp"dg"kpenw fgf"kp"gcej "vyq/ecdng" Ecv"7" rcvj yc{0"D{"eqppgevkpi"KT tg o qvg"eqpvtqn"tgegkxgtu"vq"vjg"; :9: "Ycmrncvgu"cpf"cp"kphtctgf" fkuvtkdwvkqp"u {uvg o "vq"vjg"Oqfgn"3393. "wugtu ecp"gcukn{"eqpvtqn"uqwteg"gswkr o gpv"htq o "qvjgt"tg o qvg"nqecvkqpu0"}$ 

 $\label{lem:continuity} \begin{tabular}{ll} Kp"eqplwpevkqp" y kvj" Oqfgn"; :9: "Ycnnrncvgu."vjg" Oqfgn"3393" rtqxkfgu" fkuvtkdwvkqp"qh"cwfkq."xkfgq"cpf"KT eqpvtqn"uk i pcnu"qp"Ecv"7"ecdng"twpu"qh"wr"vq"3.222"hggv0"Vjg"dwhhgtgf"Ecv"7"dwu"qwvrwvu"qp"vjg"Oqfgn"3393 ftkxg"htqo"qpg"vq"ukz"; :9: "Ycnnrncvgu0"Vq"gzrcpf"vjg"Ycnnrncvg"ecrcekv{"qh"vjg"u{uvgo."wr"vq"ukz"Oqfgn"3392uoc{"dg"uvcemgf" y kvj"qpg"Oqfgn"3393."hqt"c"vqvcn"ecrcekv{"qh"64" Ycnnrncvgu0" Ycnnrncvgu"ctg" rqygtgf"d{"vjgOqfgn"3393"qt"3392"vq"yjkej"vjg{"ctg"eqppgevgf0} } \end{tabular}$ 

 $\label{eq:control_vjg} Vjg"Oqfgn"3393"ku"\ y\ gnn"uwkvg\ f"vq"tguk\ fgpvkcn"wug"cu"\ y\ gnn"cu"rtqhguukqpcn"crrnkecvkqpu"uwej"cu"tgvckn"uvqtgu.$  enwdu"cpf"eiwteigu0

 $Vq"\ o\ cmg"c"eq\ o\ rngvg"cw\ fkqlxkfgq"fkuvtkdwvkqp"u\{uvg\ o\ ."\{qw"\ o\ c\{"pgg\ f"vq"c\ f\ f"qpg"qt"\ o\ qtg"\ Oqfgn"3392u."cpw o\ dgt"qh"\ Oqfgn"; :9:u."kphtctg\ f"tg\ o\ qvg"eqpvtqnu"cp\ f"KT"fkuvtkdwvkqp"g\ swkr\ o\ gpv0$ 

#### **Carton Contents**

- Oqfgn"3393" Jki j"FgŁpkvkqp"Ecv"7" OwnvkFtkxgt I
- 3:/xqnv"Rqygt"Uwrrn{
- Wugt"Ocpwcn

#### Other Materials You May Need

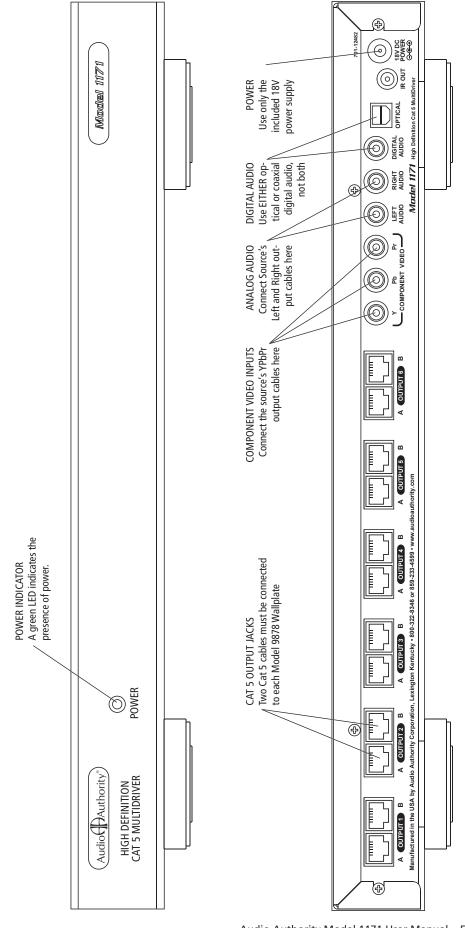
- Ecvgiqt{"7g"qt"8"ecdng"cpf"rnwiu"\*Kpuvcnncvkqp"Vkr<"wug"c"fkhhgtgpv"eqnqt"ecdng"lcemgv"hqt"C"cpf"D"ecdngu+
- Wpkxgtucn"kphtctgf"tgoqvg"eqpvtqnu"hqt"Oqfgn"::9:u
- \* Kphtctgf"tgoqvg"eqpvtqn"tgegkxgtu"hqt"Oqfgn";:9:."uwej"cu"ZcpvgejI"4;3/22"\*ugg"õWukpi"Eqorcvkdng"Kphtc/tgf"Rtqfwevuö"cv"vjg"gpf"qh"vjku"ocpwcn+
- Kphtctgf"gokwgt"hat"uawteg

#### **Suggested Accessories**

- Oqfgn"3392" Jki j"FgŁpkvkqp"Ecv"7" OwnvkFtkxgt I "Gzrcpfgtu
- + Oqfgn";:9:"Ecv"7" J FVX"Eqppgevkqp"Rncvgu"\* Ycnnrncvgu+
- $\verb| Oqfgn| 33; 3 | Tcem| Oqwpvkpi| Cfcrvgtu| ugewtg| vjgug| oqfgnu| kp| 3; /kpej| tcemu| Cfcrvgtu| vjgug| oqfgnu| kp| 3; /kpej| tcemu| Cfcrvgtu| vjgug| vjgug| oqfgnu| kp| 3; /kpej| tcemu| vjgug| vj$
- Oqfgn": 24/789"6/rqtv"dwu"ecdng ô hqt"wr"vq"5"gzrcpfgtu
- + Oqfgn": 24/78: "9/rqtv"dwu"ecdng ô hqt"wr"vq"8"gzrcpfgtu

# **Panel Descriptions**

Uiqvp"denqv"ctg"vig"htqpv"cpf"dcem"xkgvu"qh"vig"33930



#### Installation

Vjku"rtqfwev"ujqwnf"dg"kpuvcnngf"d{"c"swcnkŁ"gf"ewuvqo"gngevtqpkeu"kpuvcnngtl

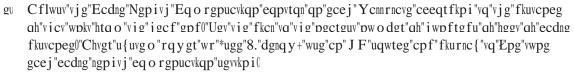
- 1. **Stacking.**"Hqnnqy"vjgug"uvgru"kh"{qw"ctg"kpuvcmkpi"vjku"rtqfwev"kp"c"uvcem"ykvj"qpg"qt"oqtg"Oqfgn 3392u0
  - $\text{CU} \quad \text{Nc} \\ \text{"vjg"Oqfgn"3393"} \\ \text{wrukfg"fqyp"qp"c"rtqvgevkxg"uwthceg.} \\ \text{"uwej"cu"c"vgtt} \\ \text{enqvj"vqygn0}$
  - d ( Tgoqxg"vjg"hqwt"hggv"cpf"vjg"dwu"rqtv"eqxgt"cpf"ucxg"vjgo"cpf"vjgkt"cvvcejkpi"uetgyu"hqtncvgt"wug0
  - eu Rnwi"qpg"gpf"qh"vjg"dwu"ecdng"\*rwtejcugf"ugrctcvgn{+"kpvq"vjg"eqppgevqt"xkukdng"vjtqwij"vjg dwu"rqtvôcrn{"gpqwij"rtguuwtg"ykvj"c"yqqfgp"qt"rncuvke"vqqn"vq"cuuwtg"vjcv"vjg"rnwi"ku eqorngvgn{"ugcvgf0"C"egpvgt"rqnctk|kpi"mg{"ku"nqecvgf"qp"vjg"vqr"qh"gcej"dwu"rnwi0"Pqvg"vjcv vjgtg"ku"c"tkijv"gpf"cpf"c"ytqpi"gpf"vq"vjg"dwu"ecdng0

  - Vkijvgp"vjg"jgz"jgcf"uetgyu"kp"vjg"dqvvqo"qh"vjg"uvcemkpi"rtqfwev"kp"ugswgpeg"c"hgy"vwtpu gcej."wpvkn"vjg{"ctg"cnn"nkijvn{"upwi0"
  - h0 Rnwi"vjg"pgzv"rnwi"qh"vjg"dwu"ecdng"kpvq"vjg"eqppgevqt"cu"kp"30e0
  - Eqpvkpwg"vjku"uvcemkpi"rtqegfwtg"wpvkn"cnn"wpkvu"jcxg"dggp"uvcemgf0"Cnyc{u"rnwi"vjg"ncuveqppgevqt"qh"vjg"dwu"kpvq"vjg"dqvvqo"wpkv."rwujkpi"cp{"gzeguu"ecdng"kpvq"vjg"gorv{"urcegkpukfg"vjg"wpkv0"Xkgy"vjg"dwu"vjtqwij"vjg"dwu"rqtv"vq"dg"uwtg"cnn"rnwiu"ctg"hwnn{"ugcvgf0}
  - il Kpuvcm"vjg"dwu"rqtv"eqxgt"cpf"hggv"{qw"tgoqxgf"htqo"Oqfgn"3393"qp"vjg"dqvvqo"Oqfgn"3392 cpf"vwtp"vjg"uvcem"tkijv"ukfg"wrl
- 2. Rack Mount Adapters."Fq"vjgug"uvgru"kh" {qw"ctg"kpuvcnnkpi"vjku"rtqfwev"qt"c"uvcem"qh"rtqfwevu"kp"c 3;/kpej "gswkr o gpv"tcem0
  - Ø
- Tg o qxg"vjg"eqxgt"uetg y u"c flcegpv"vq"vjg"htqpv"rcpgn"qh"gcej "rtqfwev"cpf"wug"vjg o "vq" o qwpv Oqfgn"33;3"tcem"cfcrvgtu0"Dg"uwtg"vq"rnceg"c"e{nkpftkecn" o gvcn"urcegt"wpfgt"vjg"cfcrvgtu"cv gxgt{"uetgy"nqecvkqp0
- d Wug"c"uvtckijvgfig"vq"nkpg"wr"tcem"cfcrvgtu"qp"c"uvcem"qh"rtqfwev0



- **3.** Placement."Rnceg"vjg"Oqfgn"3393"qt"uvcem"qp"kvu"ujgnh"qt"kp"vjg"tcem0"Kh"tcem"oqwpvkpi."ugewtg"vjg 3393"qt"uvcem"vq"vjg"tcknu" ykvj"vjg"uetgyu"uwrrnkgf" ykvj"vjg"tcem"cfcrvgt"mkvu0
- 4. Source Hookup."Eqppgev"vjg"uqwteg"kp"vjgug"uvgrul
  - CU Eqppgev"vjg"uqwteg"wpkv"vq"vjg"TEC"kprwv"lcemu0"Wug"iqqf"swcnkv{"ecdng"cpf"mggr"vjg"twpu wpfgt"8"hggv"kh"rquukdng."gurgekcnn{"hqt"Eqorqppgv"Xkfgq"eqppgevkqpu0

- dl Eqppgev"cnn"vjg"ukipcnu"cxckncdng"htqo"vjg"uqwteg"wpkv<"Eqorqpgpv"Xkfgq."Fkikvcn"Cwfkq"cpf Cpcnqi "Cwfkq0"Wug "gkvjgt."dwv "PQV"DQV J "Qrvkecn"cpf "Eqczkcn"Fkikvcn"Cwfkq0
- 5. Wallplate Hookup. Caution! Do not connect A and B cables incorrectly. Do not apply system power until cables are tested and A and B connections are verified.
  - cu Rwnn"v y q"ngpivju"qh"iqqf"swcnkv{"Ecvgiqt{"7g"qt"8"WVR"ecdng"htqo"vjg"ockp"u{uvgo"vq gcej"Ycnnrncvg"nqecvkqp0"Ectghwnn{"octm"ecdngu"qh"gcej"rckt"C"cpf"D="kh"vjg{"ctg"eqppgevgf  $kpeqttgevn\{."fcocig"vq"vjg"Ycnnrncvg"oc\{"tguwnv0"Kv"ku"dguv"vq"wug"c"fkhhgtgpv"ecdng"lcemgv"eqnqt.$ qt"ncdgn"gcej "gpf"hqt"C"cpf"D"vq"gpuwtg"rtqrgt"eqppgevkqp0
  - dl Kpuvcnn"cp"TL/67"rnwi"qp"gcej"gpf."wukpi"GKC/78:D"rcktkpi \*rkpu"3/4."5/8."6/7."9/:+0"Ejgem"gcej"ecdng"ykvj"c"rtqhguukqpcn pgvyqtm"ecdng"vguvgt"dghqtg"rnwiikpi"kv"kpvq"vjg"3322"Ugtkgu u { uvg o 0 *Continuity testing is not adequate!* V j g"v y kuvg f"rcktu
  - o wuv"dg"rtqrgtn{" o cve j g f "hqt"dcncpeg f "nkpg"vtcpu o kuukqpl eu Rnwi "vjg" rcktu "qh" ecdngu "kpvq" vjg "qwvrwv" lcemu "qp" vjg "Oqfgn Oqfgn"3392u0"Dg"uwtg"vq"rnwi "ecdngu"C"cpf"D"kpvq"vjgkt tgurgevkxg"lcemu"C"cpf"D0
  - f( Rnwi"c"rckt"qh"ecdngu"kpvq"gcej"Oqfgn"; :9:"Ycnnrncvg()"Dg"uwtgvq"rnwi"ecdng"C"kpvq"lcem"C"cpf"ecdng"D"kpvq"lcem"D0"Fq"pqv o qwpv"vjg" Ycnnrncvgu"rgt o cpgpvn{"{gv0



- f. NOTE: Mount Wallplates after initial testing.
- 6. Initial Testing. "Rnwi "vjg"rqygt"uwrrn {"hwtpkujgf"ykvj"gcej "3322"Ugtkgu"rtqfwev"kpvq"kvu"tgurgevkxg wpkv."cpf"rnwi"vjg"rqygt"uwrrnkgu"kpvq"c"ycnn"qwvngv"qt"rnwi"uvtkr0
  - cu Ejgem"vjcv"vjg"rqygt"kpfkecvqtu"qp"vjg"Oqfgn"3393."cnn"Oqfgn"3392u"cpf"cnn"Ycnnrncvgu"ctg  $knnw\ o\ kpevg\ f0"\ Y\ j\ gp"3392u"ctg"rtgugpv."cnnq\ y\ "wr"vq"3"\ o\ kpwvg"qp"kpkvkcn"rq\ y\ gt/wr"hqt"vj\ g"3393$ u{uyoo"vq"Epkuj"ugnh/cfftguukpi'dghqtg"uvctvkpi"cp{"vguvu0"Vjg"Oqfgn"3393"rqygt"ncor"dnkpmu unqyn{"yjkng"cfftguukpi"ku"vcmkpi"rnceg0
  - dl Crrn{"rqygt"vq"vjg"uqwteg"gswkrogpvl
  - eu Ejgem"hqt"engct"xkfgq"cpf"cwfkq"cv"gcej"Ycnnrncvg"wukpi"cp"JF"fkurnc{0"Oqwpv"vjg"Ycnnrncvgu0
- 7. Infrared Hookup.""Eqppgev"cpf"ejgem"KT"u{uvgo"eqorqpgpvu"kp"vjku"uvgr@
  - cu Rnwi"cp"Kphtctgf"Eqpvtqn"Tgegkxgt"kpvq"vjg"507oo"lcem"qp"gcej"Ycnnrncvg"vjcv"ku"vq"jcxg ugwteg"egpvtqn0
  - dl Kohtetef eqoo opfu"tgvwtpgf"htqo"e"Yennrnevg"vq"Oqfgn"3393"etg"tgrgevgf"vjtqwij"vjg"KT Qwvrwv"lcem"qp"vjg"Oqfgn"33930"Rcvej"vjg"KT"Qwvrwv"lcem"vq"cp"kprwv"qh"vjg"KT"eqpvtqn"u{uvgo(
  - eu KT"eqoocpfu"tgvwtpgf"htqo"c"Ycnnrncvg"vq"Oqfgn"3393"ctg"qpn{"tgrgcvgf"vjtqwij"vjg"KT Qwvrwv"lcem"cpf"rgthqto"pq"hwpevkqp"ykvjkp"vjg"uykvejkpi"u{uvgol
- 8. In Case of Difficulty. "Kh"cv"cp{"vk o g"vjg"3393"u{uvg o "hcknu"vq"tgurqpf"cu"gzrgevgf. "wug"vjg"qwvnkpg"qp rcig": "vq" L"pf" vjg" ecwug" qt" pcttqy "vjg" rquukdknkvkgu0

#### **Troubleshooting Guide**

#### **Symptom**

#### Possible Cause(s)

Rkevwtg"jcu"ctvkhcevu"qt"crrgctu"urctmn{	Gzeguukxg"ecdng"ngpivj"eqorgpucvkqp
Fkikven"ewfkq"kpqrgtevkxg	Pgkvjgt"qt"dqvj"qrvkecn"cpf"eqczkcn"ecdngu"eqppgevgf"vq"uqwteg
Fqgu"pqv"tgrgcv"cp"KT"eqoocpf	Uq o g"tg o qvgu"ecppqv"dg"rtqeguug f"d { "v j ku"u { vg o = KT"Qwvrwv"pqv"eqppgevg f "vq"KT"u { uvg o
Qpg"Ycmrncvg"kpqrgtcvkxg	Ecdngu"uycrrgf"qt"rnwiu"kpeqttgevn{"rkppgf"qwv
Yennrnevgu"kpqrgtevkxg"qp"qpg Oqfgn"3393"at"3392	Dwu"ecdng"nqqug"qt"rqygt"uwrrn{"wprnwiigf

### Operation

 $\label{lem:continuous} Vjg"Oqfgn"3393"cpf"kvu"eqorcpkqp"Oqfgn"3392u."kh"rtgugpv."rtqxkfg"ykfgdcpf"fkuvtkdwvkqp"qh"xkfgq"cpf$  $cwfkq"ukipcnu"vq"ownvkrng"tqqou"qt"nqecvkqpu"kp"c"jqog"qt"eqoogtekcn"dwknfkpi0"Vjg"Kphtctgf"rcvjyc{"owuv"dgrawleddaeligenedd$  $eqppgevgf"vq"c"tgegkxgt"qp"vjg"Ycmrncvg"gpf."cpf"c"eqorcvkdng"gokvvgt"u\{uvgo"qp"vjg"3393"gpf0\}$ 

kpuvcnngt"hqt"urgekŁ"e"kpuvtwevkqpu0

#### **Model 1171 Specifications**

Uwdlgev"vq"ejcpig" y kvjqwv"pqvkeg0

#### Video Parameters

Signal Type	Component (YPbPr)
Video Formats	480i/p, 576i/p 720p, 1080i/p*
Input Impedance	75 ohms
Input Ground Isolation	No
Gain	1
Gain Accuracy	2%
3dB Bandwidth	100MHz
Input Coupling	AC
S/N Ratio	60dB
Max Gain/Equalization	1

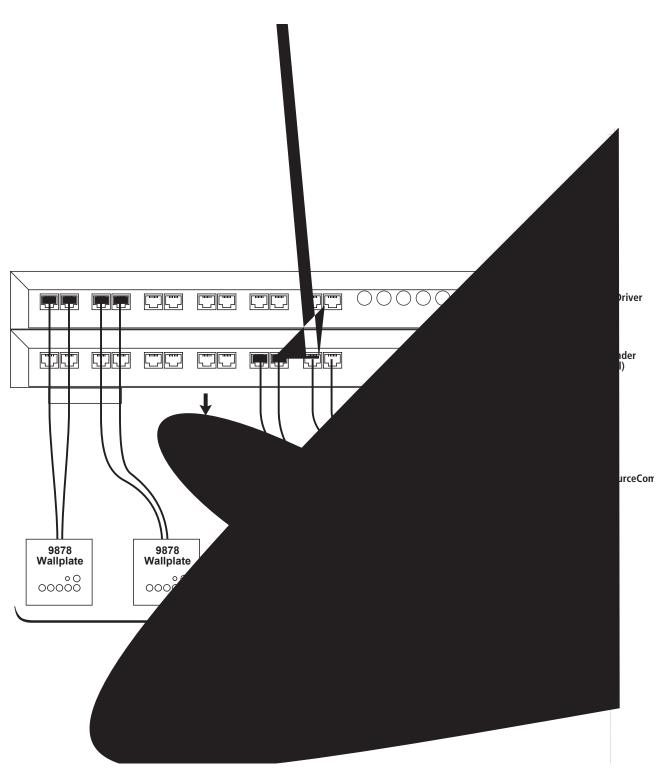
#### **Audio Parameters**

Format	Digital/Analog							
Digital Audio Input Type	Coaxial/Optical							
Input Impedance	75 ohms/50K ohms							
Min Load Impedance	75 ohms/10K ohms							
Multi-channel Digital	Yes							
Frequency Response	10-50KHz							
S/N Ratio	75dB							
THD+Noise	.07%							
Crosstalk	75dB							
DC Input Connector	5.5 X 2.1mm Center +							
DC Input	18 volts, 1.3 amps							

 $<sup>^{\</sup>star}$  Model 1171 is compatible with most any video format (including most types of computer video) as long as the video format does not exceed the maximum bandwidth of the 1171.

#### 1171 and 1170 Combination

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#### **Using Compatible IR Products**

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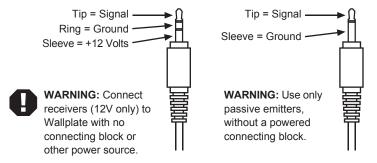
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#### **Receiver Pinout**

Receivers are powered by 12 volts on the sleeve contact of the 9878 Wallplate IR jack.

#### **Emitter Pinout**

A passive emitter usually has a two-conductor plug.



#### **Limited Warranty**

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