Germanium Diodes

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Author	Post

Posted: Feb 7th, 2007 05:21 AM PM Quote Reply 1st Post

Keith Clark
Administrator

Joined: Dec 31st, 2006
Location: Tampa, Florida USA
Posts: 1282
Status: Offline

****
Edited March 31st, 2009

Someone has brought it to my attention that what I purchased were silicon diodes, not germanium - as labeled clearly on the box. Please note that any posts from me in this thread are accidentally misrepresented as results from a germanium diode, when they are in fact, from a silicon diode.

Hello,

Today I whipped out the germanium diodes again. I tried them once or twice months ago, with limited to no success.

The variation in sound was caused by my hand contacting the germanium diode during the recording.

Keith

******Added 6-7-09 - While listening to this file, several years later, I hear at the end of the clip "he's stroking the pickup."**

Attachment: **Feb6 645pm germanium diodes -clip2.mp3** (Downloaded 411 times)

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Posted: Feb 7th, 2007 07:36 AM PM Quote Reply 2nd Post

Keith Clark
Administrator

Joined: Dec 31st, 2006
Location: Tampa, Florida USA
Posts: 1282
Status: Offline

Here's another one. The diode was left alone during this recording.

http://www.itcbridge.com/temp/diode2.mp3

Keith

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Posted: Feb 7th, 2007 06:10 PM PM Quote Reply 3rd Post

Vicki Talbott
Moderator

Joined: Jan 20th, 2007
Location: **Washington USA**
Posts: 670
Status: Offline

Hi Keith,

I'm interested in how to do this. Have you already explained it elsewhere on the board? How do you set up such an experiment and what are geranium diodes (sorry, but I am no expert at other than the basics ???)? Also, Do you know anything about the photodiode set up, where you replace the microphone in a digital recorder with one of those? I think dave and Margaret from AAEVP have done this. Thanks, Vicki

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Posted: Feb 8th, 2007 06:31 AM | PM | Quote | Reply | 4th Post

Keith Clark
Administrator

Joined: Dec 31st, 2006
Location: **Tampa**, **Florida USA**
Posts: 1282
Status: Offline

Hi Vicki,

Unfortunately, I'm no electronics wizard myself. I try to learn as I go. Perhaps someone will be able to assist us with the specifics.

I'll give you some of the information that I have today.....will finish this post this weekend.

First - two considerations. This clip was filtered "live" with DCSix. Also, the audio is so low that you will most likely need some type of mixer or amplifier to be able to turn it up loud enough to hear it. It's highly likely that if you put it together incorrectly you may not be able to hear anything at all. Perhaps some computers are able to amplify it enough.

As far as what a germanium dioe is and how it works....I don't have much information, as I don't know yet. Here's what they look like.

Keith

Attached Image (viewed 1442 times):

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Posted: Feb 8th, 2007 06:40 AM | PM | Quote | Reply | 5th Post

Keith Clark
Administrator

The next step is choosing what kind of cable you are going to use, depending on what you have and/or what you are going to plug it into.

Here's a picture of cables which you will probably use. You'll need one that you aren't attached to because we're going to cut one end off.

Joined: Dec 31st, 2006
Location: **Tampa**, **Florida USA**
Posts: 1282
Status: Offline

The one on the top is a standard 1/8 inch plug - the kind you use for your walkman, headphones, and such.
The one on the bottom is a 1/4 inch plug - the kind used for guitars and such.

Of course, an adapter will easily swith from one to the other - what matters is how the cable is made.
If you were to use the 1/8 inch cable, when you cut it you will most likely have a red and black cable inside, side by side. The black will be ground, and the red will be where the signal comes in.
If you were to use the 1/4 inch cable, when you cut it you will have wires underneath the first layer of outer sheath which will be considered the ground. They will most likely run all around the outer sheath. After you have neatly twisted and separated these ground wires, you will need to shear the inner sheath to find the wire used for the signal - the one you'll attach the germanium diode to.

Here's a pic of cables.

Keith

Attached Image (viewed 1513 times):

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Posted: Feb 8th, 2007 06:48 AM | PM | Quote | Reply | 6th Post

Keith Clark
Administrator

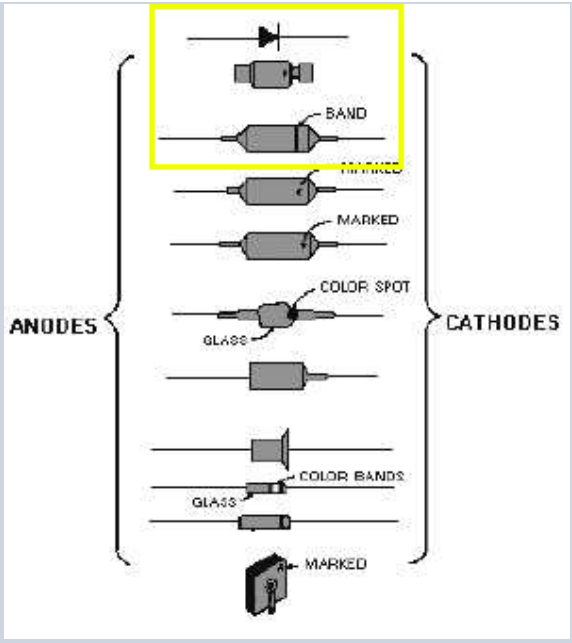
Joined: Dec 31st, 2006
Location: **Tampa**, **Florida USA**
Posts: 1282
Status: Offline

Here's a picture of diode markings. Diodes only allow the signal to flow one way, so it does matter which way it's pointing, or which end the band/marking is on.

I used to have the schematic that is out there for germanium diodes and ITC - I have to find it again. I'm pretty sure it's on Worlditc.org. If I find it again, I'll let you know.

Keith

Attached Image (viewed 1443 times):



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Posted: Feb 8th, 2007 07:02 AM PM | Quote | Reply 7th Post

Keith Clark
Administrator

Joined: Dec 31st, 2006
Location: **Tampa**, **Florida USA**
Posts: 1282
Status: Offline

And now for a picture of what I'm using. It's definitely a hack job at best.....probably not the proper way to do it, but it's how the file is recorded(and what I'm listening to right now)

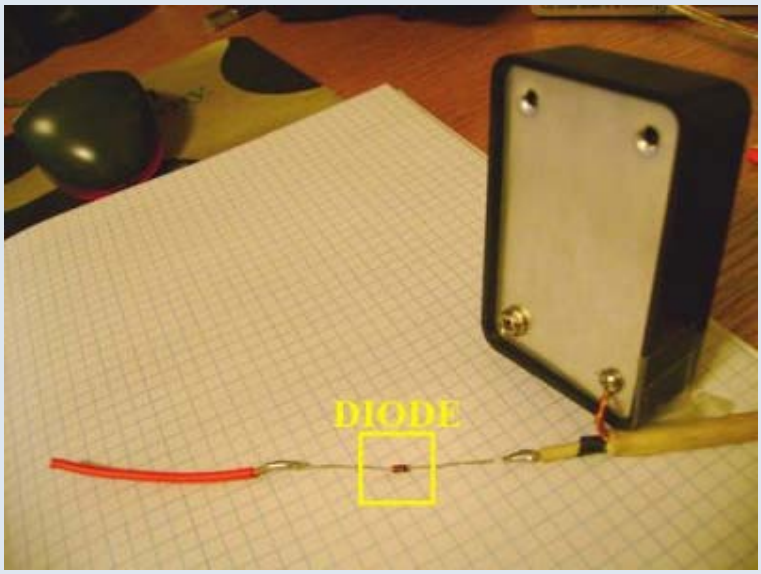
As you can see, the ground wire of the cable is screwed onto the metal of the little project box. It's supposed to be grounded.....mine isn't.

A short antenna is soldered to the diode on one end, and the other end of the diode is soldered to the positive, or signal wires of the audio cable.

This is the most basic hillbilly way to set it up.....there are other diagrams out there which include various other electronic components such as coils, for tuning and adjustments.

Keith

Attached Image (viewed 1468 times):



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Posted: Feb 8th, 2007 12:33 PM PM | Quote | Reply 8th Post

Vicki Talbott
Moderator

Hi Keith,

Thanks so much for all the info and pictures. For someone who is not an "electronics expert" you know a lot. I have a friend who might be able to easily help me out here if I can get him away from his own experiments. Thanks so much for the starter info. Vicki

Joined: Jan 20th, 2007
Location: **Washington USA**
Posts: 670
Status: Offline

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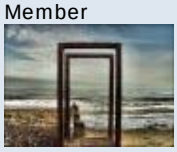
Posted: Feb 10th, 2007 05:11 AM | PM | Quote | Reply | 9th Post

lkimberley
Member



Joined: Jan 4th, 2007
Location: **Monterrey/San Pedro, Mexico**
Posts: 423
Status: Offline

Great Capture!!!!

I will try this tomorrow after I go to the states to get a diode!

Also, The DCsix? I have figured out how to use it live....Maybe you can help me and Vicki figure that out! Have agreat Saturday.

Will post on Sunday.

Laura

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Posted: Feb 13th, 2007 08:27 AM | PM | Quote | Reply | 10th Post

Keith Clark
Administrator

Joined: Dec 31st, 2006
Location: **Tampa, Florida USA**
Posts: 1282
Status: Offline

New diode recording today.

Keith

Attachment: **Feb12 955pm diode.mp3** (Downloaded 419 times)

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Posted: Oct 11th, 2007 01:32 PM | PM | Quote | Reply | 11th Post

fil
Member

Joined: Oct 11th, 2007
Location: **Germany**
Posts: 105
Status: Offline

Hello Keith,

I was searching for some infos on EVP and germanium diodes, so I found this site. I'm from Germany and my English ist not very good. But I must answer you, because you recorded some very clear voices (at least to me) **in german** in your recording "diode2.mp3".

I found 4 voices, 2 of them in the reversed signal:

1. "Wir wollen reden mit dir." - "We want to talk with you."
2. "Wir leben hier, wir hören euch noch." - "We live here. We still hear you."
3. "Hier sind die Toten." *(reversed)* - "Here are the dead."
4. "Ich lebe hier weiter. Alle Sinne sind mir geblieben." *(reversed)* - "I live on here. All my senses remained."

My translation ist not very good, especially the last one. And I don't know why they talk in German to you, but these voices are so clear that I want you to know this.

I will attach the snippets.

Thank you!

Mathias

Attachment: **Wir wollen reden mit dir.mp3** (Downloaded 284 times)

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Posted: Oct 11th, 2007 01:33 PM | PM | Quote | Reply | 12th Post

fil
Member

Joined: Oct 11th, 2007
Location: **Germany**
Posts: 105
Status: Offline

"Wir leben hier, wir hören euch noch."

Attachment: **Wir leben hier, wir hören euch noch.mp3** (Downloaded 269 times)

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Posted: Oct 11th, 2007 01:34 PM | PM | Quote | Reply | 13th Post

fil
Member

Joined: Oct 11th, 2007
Location: **Germany**
Posts: 105
Status: Offline

"Hier sind die Toten."

Attachment: **Hier sind die Toten (reversed).mp3** (Downloaded 248 times)

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Posted: Oct 11th, 2007 01:35 PM | PM | Quote | Reply | 14th Post

fil
Member

Joined: Oct 11th, 2007
Location: **Germany**
Posts: 105
Status: Offline

"Ich lebe hier weiter, alle Sinne sind mir geblieben."

Edit: The name of the file was wrong, so I changed it (from "ja" to "hier").

Attachment: **Ich lebe hier weiter, alle Sinne sind mir geblieben (reversed).mp3** (Downloaded 273 times)

*Last edited on Oct 11th, 2007 03:03 PM by **fil***

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Posted: Oct 11th, 2007 02:15 PM | PM | Quote | Reply | 15th Post

fratka
Super Moderator

Joined: Feb 21st, 2007
Location: **Houston**, **Texas** **USA**
Posts: 315
Status: Offline

Your right fil! I can hear them too!

Regards,

Frank R.

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Posted: Oct 11th, 2007 10:07 PM | PM | Quote | Reply | 16th Post

fil
Member

Joined: Oct 11th, 2007
Location: **Germany**
Posts: 105
Status: Offline

Thanks Frank, good to know I'm not the only one. My mother heard them too.

Mathias

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Posted: Oct 12th, 2007 04:43 PM | PM | Quote | Reply | 17th Post

Vicki Talbott
Moderator

Joined: Jan 20th, 2007
Location: **Washington USA**
Posts: 670
Status: Offline

Hi Mathias, Keith and all,

Mathias, I can hear those as well. That is extremely interesting and very fortunate that you happened to listen to Keith's recording and caught these utterances. I also wonder why they spoke in German. I've had them speak to me only in languages I can understand/expect (at least as far as I know, but now I wonder--maybe some of those indecipherable ones were in a language I don't speak). Thanks for posting these and sharing your interpretations. By the way, your English is very good. Vicki

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Posted: Oct 12th, 2007 07:21 PM | PM | Quote | Reply | 18th Post

fil
Member

Joined: Oct 11th, 2007
Location: **Germany**
Posts: 105
Status: Offline

Thank you, Vicki. I will try to record with germanium diodes too as soon as possible. Maybe the ones who spoke to Keith in German knew that others would listen to this and understand it in the future. But that's speculation.

Mathias

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Posted: Oct 12th, 2007 08:26 PM | PM | Quote | Reply | 19th Post

Vicki Talbott
Moderator

Joined: Jan 20th, 2007
Location: **Washington USA**
Posts: 670
Status: Offline

Hi Mathias,

I think you are right in speculating that they knew someone would in time listen to and understand these statements. I have gotten utterances that were in English but made no sense to me, only to later find out that they were meant for someone who came along shortly afterward to listen and comment. Vicki

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Posted: Oct 14th, 2007 04:01 AM | PM | Quote | Reply | 20th Post

Keith Clark
Administrator

Hi Mathias,

I found what you posted very interesting....and your English seems pretty good to me! I don't have the ability to understand German, but I thank you for sharing it with us. It's true that receiving something in another language is not something every experimenter would consider.

Joined: Dec 31st, 2006
Location: Tampa, Florida USA
Posts: 1282
Status: Offline

Thanks (& Nice to meet you),

Keith

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Posted: Oct 14th, 2007 08:21 PM | PM | Quote | Reply | 21st Post

fil
Member

Joined: Oct 11th, 2007
Location: Germany
Posts: 105
Status: Offline

Thank you very much Keith, nice to meet you (and all the others here) too.

Mathias

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Posted: Mar 27th, 2009 05:19 AM | PM | Quote | Reply | 22nd Post

RHGHAngel
Member

Joined: Mar 22nd, 2009
Location: Fort Mill, South Carolina USA
Posts: 4
Status: Offline

Hey Hey!! How are you today? Well, I hope. I have a Question or 2 or 3 for you maybe you can help me out. LOL I am Confused on how to Build the Germanium Diode recorder. Let me just start by telling you what I did. I Cut off the Microphone from my Mini Cassette recorder Mic. I attached a Germanium Diode to the white wire... It was the only wire in there other than the wire surrounding it. I am assuming that is the Grounding Wire. In any case, I have no way to Solder, so I twisted the wire onto the Germanium Diode. On the other End of the Diode, I attached Another wire assuming this was supposed to act as an Antenna? The Germanium Diode has a Black dot on one end. That is supposed to be facing in the Direction of the Jack that you plug into the recorder Right? Or do I have this All Wrong? LOL Please Help Me

~Angel~

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Posted: Mar 28th, 2009 05:44 PM | PM | Quote | Reply | 23rd Post

Keith Clark
Administrator

Joined: Dec 31st, 2006
Location: Tampa, Florida USA
Posts: 1282
Status: Offline

Hi,

Twisting the wire may work, but is not as good as soldering.....I'm not going to be much good as far as technical help in this area, but I'll send you someone who is.

Keith

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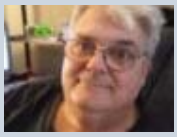
Posted: Mar 29th, 2009 05:13 AM | PM | Quote | Reply | 24th Post

joecioppi
Moderator

RHGHAngel wrote:



Joined: Sep 22nd, 2008
Location: **Hatboro**, **Pennsylvania USA**
Posts: 92
Status: Offline

"Hey Hey!! How are you today? Well, I hope. I have a Question or 2 or 3 for you maybe you can help me out. LOL I am Confused on how to Build the Germanium Diode recorder. Let me just start by telling you what I did. I Cut off the Microphone from my Mini Cassette recorder Mic. I attached a Germanium Diode to the white wire... It was the only wire in there other than the wire surrounding it. I am assuming that is the Grounding Wire. In any case, I have no way to Solder, so I twisted the wire onto the Germanium Diode. On the other End of the Diode, I attached Another wire assuming this was supposed to act as an Antenna? The Germanium Diode has a Black dot on one end. That is supposed to be facing in the Direction of the Jack that you plug into the recorder Right? Or do I have this All Wrong? LOL Please Help Me

~Angel~
"

Hi Angel,

I'm a disabled electrical engineer who has been studying the paranormal for the last few years. The "Raudive" detector is an untuned crystal diode detector that folks have been connecting to recorders lately to pick up EVP voices.

The use of the germanium diode has been popular because it has a low conduction voltage threshold which allows it to detect low level radio noise. The radio noise or atmospheric static is rectified by the diode and coupled to the recorder input. Since the noise currents have to pass through the diode to detect EVP sounds to record, the diode has to be connected to other components that provide a path for the signals to follow.

A radio choke coil, diode, and resistor form a circular path for signal currents picked up by a small antenna. The diode detects sounds included in the noise and the sound signal appears across the resistor. The resistor is connected between the center wire of your mic cable and the shield braid return around the outside. That signal is then recorded by the recorder.

I've attached a mspaint drawing of the connection diagram. I've built this into a mic plug with miniature components for other experimenters like yourself.

Joe

Attached Image (viewed 2475 times):

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Posted: Mar 30th, 2009 11:15 PM PM | Quote | Reply **25th Post**

RHGHAngel
Member

Joined: Mar 22nd, 2009
Location: **Fort Mill**, **South Carolina USA**
Posts: 4
Status: Offline

You Are So Wonderful!! Thank You so Much!! I am Originally from PA... Clearfield .. Have been Living in SC since I was 15. Thank You for your Help! TY as Well Keith!

~Angel~

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Posted: Apr 3rd, 2009 08:11 AM PM | Quote | Reply **26th Post**

Slider2732
Member

Joined: Mar 3rd, 2008
Location: **Muskogee**, **Oklahoma USA**
Posts: 299
Status: Offline

Further to Joe's explanation. Germanium diode's are usually found in crystal radio's, radio's with no battery or other power supply. The diode itself is what might be termed porous to radio waves and therefore really helps such circuits detect radio frequencies.
Digital circuits and most functions of any device these days is based on 0's and 1's...a device with an analog, varying, property is perhaps much more likely to give us a greater chance of successful contact through random receptions. In some regards, the germanium inside the diode may be thought of as being open to spirit communication and hence why they are used in such experiments.
Diode's let a signal go in one direction and not in the other. Used in circuits of every type, every diode, of any type can display strange properties. Did you know that standard LED's can act as photodiode's ! they will pass small currents based on the light level near them.
Photodiode's can be found in solar cells and also in PC mice. They are similarly widely used devices. The reactive material used in a diode usually dictates its intended use.

The secret to spirit contact using electronics is, I believe, within the P-N junctions of many components like diodes. On the wiki for photodiode's is this interesting text:
"Since transistors and ICs are made of semiconductors, and contain P-N junctions, almost every active component is potentially a photodiode. Many components, especially those sensitive to small currents, will not work correctly if illuminated, due to the induced photocurrents. In most components this is not desired, so they are placed in an opaque housing. Since housings are not completely opaque to X-rays or other high energy radiation, these can still cause many ICs to malfunction due to induced photo-currents."

Imagine you are out at a cemetary and you have your voice recorder running. On returning home and analysing the recording, you hear a voice that wasn't heard at the time.
The EVP may have been caused through diode leakage/reception characteristics ! You don't hear it at the time, it doesn't trip any auto recording feature and yet it is there. Between the microphone and final recording there are possibly thousands of diodes, certainly many on the circuit board that are glass and see through. These diodes are, I believe, a possibility for relaying the spirit voice information to the recording stage.

Last edited on Apr 3rd, 2009 08:20 AM by ***Slider2732***

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Posted: Jun 2nd, 2009 05:00 PM | PM | Quote | Reply | 27th Post

eyewave
Member

Joined: Feb 11th, 2009
Location:
Posts: 122
Status: Offline

from where can I buy this diode?

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Posted: Jun 2nd, 2009 06:31 PM | PM | Quote | Reply | 28th Post

eyewave
Member

Joined: Feb 11th, 2009
Location:
Posts: 122
Status: Offline

are germanium diodes 1N60 good?

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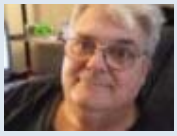
Posted: Jun 2nd, 2009 08:44 PM | PM | Quote | Reply | 29th Post

joecioppi
Moderator



Joined: Sep 22nd, 2008
Location: Hatboro, Pennsylvania USA
Posts: 92
Status: Offline

http://www.scitoyscatalog.com/Merchant2/merchant.mvc?Screen=CTGY&Store_Code=SC&Category_Code=R

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Posted: Jun 17th, 2009 10:30 AM | PM | Quote | Reply | 30th Post

eyewave
Member

Joined: Feb 11th, 2009

is there a picture somewhere of how o conenct the diode(which side to conenct to the microphone wire and which side to the antenna?

Location:
Posts: 122
Status: Offline

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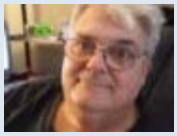
Posted: Jun 17th, 2009 10:49 PM | PM | Quote | Reply | 31st Post

joecioppi
Moderator



Joined: Sep 22nd, 2008
Location: Hatboro, Pennsylvania USA
Posts: 92
Status: Offline

In this case the diode may be installed in either direction and still act as a detector.

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Posted: Jun 22nd, 2009 01:38 PM | PM | Quote | Reply | 32nd Post

eyewave
Member

Joined: Feb 11th, 2009
Location:
Posts: 122
Status: Offline

o ok since I read that its has a one way flow, I asked

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Posted: Jun 23rd, 2009 04:48 PM | PM | Quote | Reply | 33rd Post

eyewave
Member

Joined: Feb 11th, 2009
Location:
Posts: 122
Status: Offline

and is white noise needed with the germanium diode too? it only happned once that Irecorded vocies with only white noise-it didn't happen again -- and its interesting to note that when I tried to listen to the recording again, it was changed-it was multiplied (repeated many times) -- we'll see with the diode how it goes

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Posted: Jul 29th, 2009 12:01 PM | PM | Quote | Reply | 34th Post

eyewave
Member

Joined: Feb 11th, 2009
Location:
Posts: 122
Status: Offline

I tried using the diode, but with no results --- guess i does not work for me or its connected wrong

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Posted: Dec 16th, 2009 07:27 PM | PM | Quote | Reply | 35th Post

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: **United Kingdom**
Posts: 117
Status: Offline

Hi

How important is the value of the inductor, can any kind of coil be used please?

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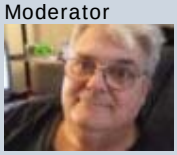
Posted: Dec 17th, 2009 03:26 PM | PM | Quote | Reply | 36th Post

joecioppi
Moderator



Joined: Sep 22nd, 2008
Location: **Hatboro**, **Pennsylvania** **USA**
Posts: 92
Status: Offline

Mike,

The Raudive detector circuit is a simple radio receiver that responds to a broad band of radio frequencies and rectifies the amplitude variations. The coil is an inductor wound on an insulated form that blocks radio signals but is easily conductive of direct currents and low audio frequencies. The value of the coil is selected to tune radio frequencies present in atmospheric noise. More than one frequency appears at the antenna at one time. An AM radio that is tuned to an unused frequency will detect noise from a narrower band of frequencies in the same way and amplify the audible hiss.

The germanium diode detects audio frequencies in the noise and the audio appears across the resistor at the recorder cable input. This is an audible hiss that has spirit voices in it. The recorder records the audible sounds for future analysis and playback. I believe that natural noise created by ocean surf or rush of wind also can contain voices and electronics is not necessary to create them.

I have used the rush of current through a semiconductor junction to create the same random (white noise) sound. Voices or intelligence can be detected. No radio signals are needed in this case but voices still are present.

Joe

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Posted: Dec 17th, 2009 09:58 PM | PM | Quote | Reply | 37th Post

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: **United Kingdom**
Posts: 117
Status: Offline

Hi Jo

As a radio person of some years (SW VHF/UHF) I understand the principles.

I have today ordered a few RF inductors, various values from 50uH to 680.

I'll construct a small portable unit that I can take out with me away from electrical noise.

Here I get a 50 Hz buzz.

I have heard the hiss, I have been using a small LM386 amp to power a speaker.

I am not yet sure how spirit comms can take place, I imagine they use a mode unknown to us, what that is! is the big question I guess.

Thanks for the tips

Mike

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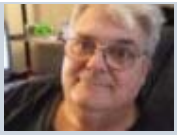
Posted: Dec 17th, 2009 11:43 PM | PM | Quote | Reply | 38th Post

joecioppi
Moderator

Mike,

Experimenters interested in earth sounds have constructed receivers to pick up ambient waves in the audio frequencies. Power line fields interfere with reception and designs have input filters aimed at the suppression of power line signals and harmonics. I consider these designs in the same category as EMF recorder setups.



Joined: Sep 22nd, 2008
Location: Hatboro, Pennsylvania USA
Posts: 92
Status: Offline

The earth sounds people have heard singing and voices with these devices.

Joe

Last edited on Dec 17th, 2009 11:46 PM by ***joecioppi***

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Posted: Dec 18th, 2009 10:23 AM | PM | Quote | Reply | 39th Post

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: United Kingdom
Posts: 117
Status: Offline

Hi Joe

Yes I am fascinated by that concept as well!

ELF? Apparently if you have a long length of twin shorted at the far end, laid out on the ground and then connected to a laptops mic input, you can record some of these sounds.

I have a 50m run of speaker cable ready to try this idea out.

At the moment my laptop makes too much of its own noise LOL, I am going to see how my wifes one gets on.

I then plan to take it all to some woods that are a good distance away from houses and power lines and try it out!

Of course, just maybe spirit communications could take place!

After all, this would seem to be a very natural progression, in that we use these frequencies now to speak etc, maybe we continue to do so once we pass over, and simply use them as electromagnetic instead of physical vibrations????

Who knows.

Thanks

Mike

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Posted: Dec 18th, 2009 05:28 PM | PM | Quote | Reply | 40th Post

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: United Kingdom
Posts: 117
Status: Offline

Hi Joe

Been thinking about this today and have done some hook ups to check.

If I remove the choke from the diagram and instead use the 100K resistor in its place so as to give me a circuit, I hear mostly a 50hz hum from the mains here in the UK.

Could I filter this using passive components, but still keep this 'sniffer' sensitive to all other fqs?

Thanks

Mike

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Current time is 06:53 PM

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Forum Jump -->

Page processed in 0.7106 seconds (20% database + 80% PHP). 29 queries executed.

Germanium Diodes

Rate Topic

Author	Post

Posted: Dec 19th, 2009 12:14 AM PM Quote Reply 41st Post

joecioppi
Moderator

Joined: Sep 22nd, 2008
Location: Hatboro, Pennsylvania USA
Posts: 92
Status: Offline

mikesndbs wrote:

> "Hi Joe
>
> Been thinking about this today and have done some hook ups to check.
>
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>
> Could I filter this using passive components, but still keep this 'sniffer' sensitive to all other fqs?
>
> Thanks
>
> Mike
> "

Mike,

Look at this circuitry for a way to boost vlf signals and reduce the power hum. This design is essentially an untuned radio receiver with vlf bandwidth. The filter cuts the hum.

http://www.auroralchorus.com/bbb4rx3.htm

Joe

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Posted: Jun 16th, 2010 01:09 AM PM Quote Reply 42nd Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

More that just INTRESTING Mr. Clark.
This has that audio BUZZ just like that radio receiver that uses 13 frequencies (can't remember the name). The difference between the original germanium diode and your switching diode (zenear) is that the germanium will block energy one way, and allow it to travel in one direction only (DC) and a "zener" Diode like yours not only BLOCKS...but allows it to travel the other way also IF the current gets high enough to "trip" over the blockage. So it will travel in an AC fashion. Do you remember if you were near a fluorescent light source? That would very easily explain the "buzzing" noise from the 60hz electrical field (US) - 50hz Europe. Do you still have the circuit? Or did you just put it together OUTSIDE the box and grounded to this box as shown in the picture(metal bottom maybe...like a large capacitance devise). Did you get any different results while holding it?? Was this BUZZING a very common effect or only sometimes it would be noticeable? Was this buzzing the effect of an external "amplification" devise or circuit? Do you still have the box laying around where you can "try again". I realize this is an old post...but a certain Google search brought up this page.

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Posted: Jun 16th, 2010 01:19 AM PM Quote Reply 43rd Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: **Des Moines, Iowa USA**
Posts: 321
Status: Offline

joecioppi wrote:

"

mikesndbs wrote:

"Hi Joe

Been thinking about this today and have done some hook ups to check.

If I remove the choke from the diagram and instead use the 100K resistor in its place so as to give me a circuit, I hear mostly a 50hz hum from the mains here in the UK.

Could I filter this using passive components, but still keep this 'sniffer' sensitive to all other fqs?

Thanks

Mike
"

Mike,

Look at this circuitry for a way to boost vlf signals and reduce the power hum. This design is essentially an untuned radio receiver with vlf bandwidth. The filter cuts the hum.

http://www.auroralchorus.com/bbb4rx3.htm

Joe

"

I have one of these receivers. I have the one (in clockwise direction) 4th "black" receiver on top right side...this one is "SILVER" (aluminum) in color. His picture just had a shadow in it. With these receivers you need to be MILES away from electrical interference. Or the hum and buzz will tear your head off :) You can actually "rub" the antenna on the ground and HEAR the noise in the headphones. I think these are actually an "amplification" circuit built without a proper input (antenna connected instead) *something like that.

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Posted: Jan 28th, 2011 02:29 AM PM Quote Reply 44th Post

David Payne
Member

Joined: Jan 27th, 2011
Location:
Posts: 4
Status: Offline

I tried to build one of these according to joes diagram.

Not sure if i did something wrong or just simply not getting results.

The only sounds the receiver produces is a lot of white noise, and the occasional hum you get when a speaker feedback's. Im not hearing any noises or voices close to what others are getting.

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Posted: Jan 28th, 2011 06:35 AM PM Quote Reply 45th Post

David Payne
Member

Joined: Jan 27th, 2011
Location:
Posts: 4
Status: Offline

Well I tried to make the circuit again, and im still not sure if its right. Im not getting anything other than white noise and a slight hum. I rigged my up using the exact parts and circuit as in joes diagram.

Anyone provide help?

Thanks

Attachment: **raudive.mp3** (Downloaded 25 times)

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Posted: Jan 29th, 2011 11:44 PM th

PM Quote Reply 46 Post

David Payne
Member

Joined: Jan 27th, 2011
Location:
Posts: 4
Status: Offline

Anyone?

Could really use some help. Perhaps people are giving up on raudive?

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Posted: Jan 29th, 2011 11:58 PM PM Quote Reply 47th Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

No, I still use the Raudive Receiver. I just received my 3rd Receiver beginning of this week. Purchased on eBay. This last one has a microphone built in and a momentary "push button" that I asked the builder to include to allow this mic to engage (to ask questions) then release so the raudive is inline for spirit answers through the circuit. Mine has 2 separate raudive circuits built in. Been to cold to use at locations in my home town. But I did get a few (very low audio) EVP's from inside my local library. Male voice says "I"m American" and another voice said "can you hear me". The first one..."I'm American" seemed Odd because the Raudive was "built" in Europe I can upload later. On cell phone right now and not on file. I have 4 or 5 more from the Raudives...recorded earlier during last summer. I haven't really used then much though cause I had back surgery During September and was stressed when I did go out. I use the DR60 or Sony B7 most of the time. When I use my raudive I either connect to B7 or Sony ICD-B300.

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Posted: Jan 31st, 2011 02:13 AM PM Quote Reply 48th Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

K, I'm a little late at uploading these 2 files. You WILL need headphones and a good ear as they are soooo near silent. Raudive's (at least mine) will nearly always be very weak...I used the Raudive Receiver I purchased on eBay with the push button microphone attachment. You will not hear my voice in any of these. Was only present in the one that said "can you hear me" anyway...but my voice was very loud and unpleasant. I'm only going to upload my most recent Raudive's tonight and will include the other "very few" in a day or two.

The one included in the below attachment "i'm american" was recorded out in my jeep on the 26th of January 2011 as I was parked outside my local library. I turned on my recorder for a few minutes after I parked...just after getting the Raudive Receiver out of the package coming from delivery in the mail that day. This recording was a "spuratic" as I didn't ask any questions...I was mainly trying out the microphone function. I didn't record in the Library this day anyway.

Attachment: **i'm_american-evp.mp3** (Downloaded 19 times)

Last edited on Jan 31st, 2011 02:25 AM by ***clockdryve***

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Posted: Jan 31st, 2011 02:23 AM PM Quote Reply 49th Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

Here's my next recording from January 27th 2011 from inside the Library.

I tried about 3 times with the Raudive and a couple times with the DR60 and once with the Sony ICD-B16. Got nothing with the DR60 (that was odd) and nothing on the B16 (common for me). This was recorded on the Sony ICD-B300, as was the "i'm american" (my 3rd most popular recorder). *(DR60 is #1 and Sony ICD-B7 is #2).

I hear "can you hear me" on this recording....this was an answer (sort of) to what I was saying.... I repeated the phrase "test-1-2-3....test-1-2-3" 2 times, and the male voice said (after I released the microphone button) *switching in the "electrical receiver only" --Can You Hear Me--. When I push in the button this is the only time this receiver will hear a VOICE or Vibration"....all other times it is DEAF to the sounds WE hear....but picks up from the HIDDEN. You might need to LOOP or listen to this several times before you can hear it. I will upload a picture of the Raudive receiver in a day or two when I have time to take one.

Attachment: **AMPED-can_you_hear_me-evp.wav** (Downloaded 18 times)

*Last edited on Jan 31st, 2011 02:28 AM by **clockdryve***

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Posted: Jan 31st, 2011 02:29 AM | PM | Quote | Reply | 50th Post

David Payne
Member

Joined: Jan 27th, 2011
Location:
Posts: 4
Status: Offline

Clock those are real nice.

But as I said, i didnt buy one, i made one according to Joes Schematic. And its not working.

So im trying to get help on why. So i cant really contribute till someone with some knowledge of building them can help me, but it seems they have abandoned this thread.

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Posted: Jan 31st, 2011 01:42 PM | PM | Quote | Reply | 51st Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

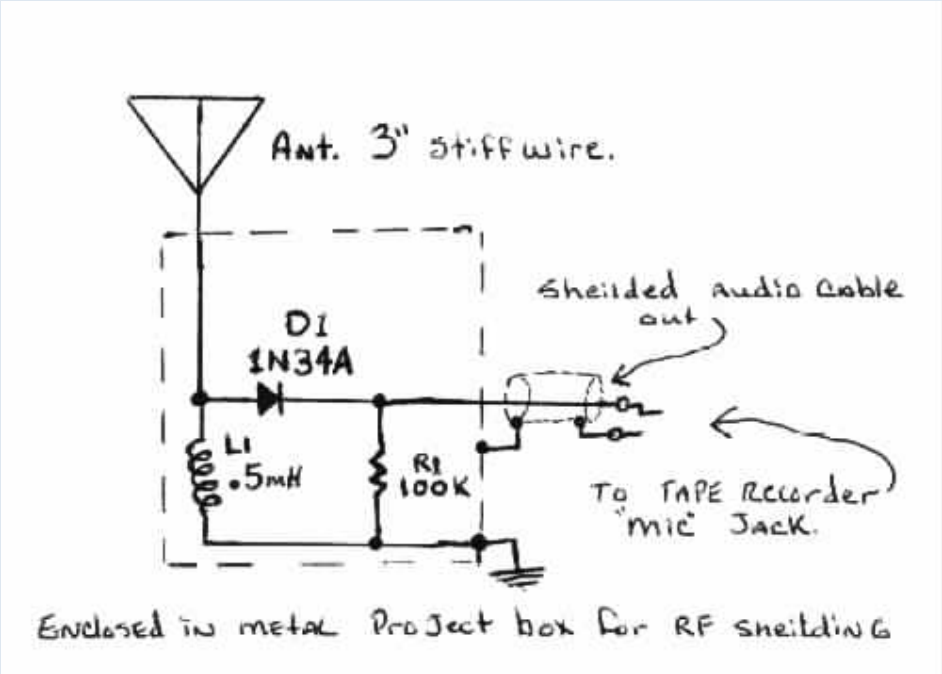
Here's another drawing of the same circuit Joe showed you. Only thing I can think of if you built it and having a problem is maybe the diode is in backwards....
But Joe says that it's okay in this circuit and I would believe him because of his past occupation

But maybe can just flip it around just to "see what happens" ya never know, you will either pull from the ground or arial -- one may be better. Also...did you use the proper diode called for in the circuit? Another thing...It is HARD to tell if you captured anything because it's gonna be very quite. You need to have the recorder volume UP very high when you transfer to the computer (until you can hear the static level at least). And you will need to listen real close. It will be so easy to pass over one of these voices using the Raudive Receiver.....trust me on those words for sure.

The attachment drawing came out of the 1995 October issue of Popular Electronics

was available for download (4 pages) using Google Web Browser "Google Books". The 4 pages didn't really have anything special in the article...just the circuit only.

Attached Image (viewed 118 times):



*Last edited on Jan 31st, 2011 01:44 PM by **clockdryve***

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Posted: Jan 31st, 2011 01:57 PM | PM | Quote | Reply | 52nd Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: **Des Moines, Iowa USA**
Posts: 321
Status: Offline

One other thing...I have used an Olympus WS-100 on the Raudive and it doesn't "hear" anything...my Sony B7 and B300 (set to lowest quality work best)...I don't know what you are using but TRY the lower BIT rate (LP) but keep the microphone setting on highest. Good Luck

Last edited on Jan 31st, 2011 01:58 PM by ***clockdryve***

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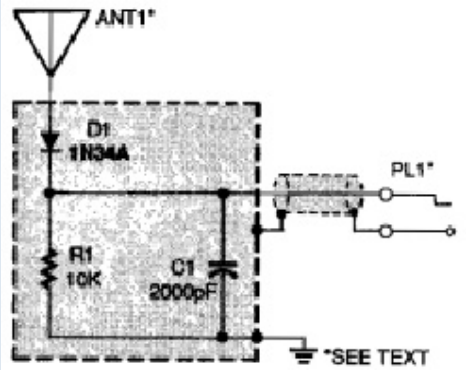
Posted: Jan 31st, 2011 02:20 PM | PM | Quote | Reply | **53rd Post**

clockdryve
Member

Joined: Feb 7th, 2010
Location: **Des Moines, Iowa USA**
Posts: 321
Status: Offline

If you want to try a different circuit...try this "less know" design from the attachment. It uses a different resistor and removes the coil and adds a capacitor...Be SURE you insulate the location where the "stiff" wire (straightened paper clip is fine) comes out of the metal enclosure so it doesn't TOUCH if you decide to use the metal. You can build this without the metal enclosure...but if you want it as original then it is to be included in BOTH designs.

Attached Image (viewed 115 times):



Last edited on Jan 31st, 2011 02:26 PM by ***clockdryve***

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Posted: Feb 8th, 2011 09:16 PM | PM | Quote | Reply | **54th Post**

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: **United Kingdom**
Posts: 117
Status: Offline

clockdryve wrote:

> "If you want to try a different circuit...try this "less know" design from the attachment. It uses a different resistor and removes the coil and adds a capacitor...Be SURE you insulate the location where the "stiff" wire (straightened paper clip is fine) comes out of the metal enclosure so it doesn't TOUCH if you decide to use the metal. You can build this without the metal enclosure...but if you want it as original then it is to be included in BOTH designs.
> "

Have you tried this one?

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Posted: Feb 15th, 2011 02:30 AM | PM | Quote | Reply | **55th Post**

clockdryve
Member

No, havent tried it (never built it anyway).

My Raudive Receiver I purchased from eBay has that circuit though.

The Receiver I use has BOTH circuits, so I should say that I HAVE used it.

What I have is included on each side (seperated), one circuit on left...and one circuit

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

on right channel. And I use it on Mono equipment, so with the mono/stereo adapter this will combine the signal onto one channel. If I used a stereo recorder then I could actually seperate the signals and find which is working BETTER at the time...

Although I haven't done that yet. It's been to cold here in Iowa to search for EVP's the way I prefer---but it has been getting warmer

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Posted: Feb 15th, 2011 02:56 AM | PM | Quote | Reply | 56th Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

The "F0-215" Germanium Diode is considered the "Holy Grail" of Crystal Diodes... Most "sensitive" (better than the Schottky Diode), so you might want to try that one also. I would recommend using a metal box as a shield to unwanted reception...cell phones and other electrical interferance items. The shield is that "dotted lines" in the 2nd circuit I showed you (make a fully enclosed box), and no short circuits (remember to not allow the antenna to short against this shield) *The antenna can be a piece of STIFF wire with rubber insulation around it...doesn't need to be bare to receive. That metal shield also has the ground symbol attached to it also. It wouldn't hurt to have an aligator clip attached to a "post" attached to this shield...and ground it to "ground" for ultimate protection from interferance (like electrical hum possibly) *keep the ground wire short if possible.

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Posted: Feb 20th, 2011 01:07 PM | PM | Quote | Reply | 57th Post

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: United Kingdom
Posts: 117
Status: Offline

Hi clockdryve

I just ordered one of those ebay detectors, be interesting to compare notes?

Mike

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Posted: Feb 20th, 2011 04:07 PM | PM | Quote | Reply | 58th Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

Cool Deal What recorder are you using it on? Which one you get from eBay. The microphone/switch version...Non-Mic version or Microphone version?? Be sure you turn your recorder FULL up on playback into pc...the audio will still not be very loud. There is no interferance available so white noise is only thing you will hear until you run into an EVP. When you find the EVP it will often times be very faint. Just amplify it a few times lightly. I have a few more EVP I need to upload. With and without the Raudive Receiver. Good luck with your tests.

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Posted: Feb 20th, 2011 09:07 PM | PM | Quote | Reply | 59th Post

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: United Kingdom
Posts: 117
Status: Offline

Hi, I intend to run its output into a preamp and then into a small audio amp, all battery powered so its all portable.

The one I got is this:

EVP Raudive Diode Receiver For Paranormal Ghost Hunting.

Cheers

Mike

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Posted: Feb 20th, 2011 09:48 PM | PM | Quote | Reply | 60th Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

K, well there are actually 3 made by that guy on eBay (tvkev). He has the one that has 2 antennas (2 raudive circuits inside), then the one with 2 antennas (same inside) and a plugin microphone included...then the last model has the 2 antennas (same inside), along with the push button switch for the external microphone that is included. The switch allows you to temporarily connect the microphone so you can ask the question...then let go of the button so that anything AFTER your recorded "test" question will ONLY be coming from the Raudive without human voice or external "interference" being picked up...and this will be your ghost voice ONLY. *If you need a more advanced Receiver (in case you didn't get the pushbutton/microphone) version...just email him (email address shown in his listing) quickly and he COULD upgrade you through extra paypal payment. He is well trusted and dependable...I have purchased 3 from him (only 1 through eBay...1st model without microphone). *I have 2 of them without microphones (used a Y connector and connected my own microphone) And he listened to my request to make them with microphones  I have emailed him and sent him some of my results...with always a return email. But if you got the microphone "without" the pushbutton you can just use an external switch (modification) to allow the mic to have a pushbutton...(More convenient to purchase that way though) *and the same even IF you didn't get the one with the microphone at all. This new model he has out now was the results of a request by me again...for a "pushbutton" model to add even MORE possible positive results for us  Though the adding of a microphone button would have eventually turned up anyway ;) You have an excellent idea in your hook up for a LIVE evp capture attempt. Might I also suggest a TAP to include a recorder connection as a 2nd chance of hearing the evp (they can be easily missed), and also a connection for headphone connections (or Y connector for both)...because these can be "very-very" low audio and easily covered in the "hiss" from the white noise you will ALSO capture....Happy SAFE Hunting

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Posted: Feb 20th, 2011 09:51 PM | PM | Quote | Reply | 61st Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

Mmm, I don't have any financial gain in this guy on eBay...he just happens to be someone that has something we need. And so happens to be the one that designs them so he can modify to our special requests. Lucky Us ;)

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Posted: Feb 21st, 2011 01:26 AM | PM | Quote | Reply | 62nd Post

clockdryve
Member

Here is the link to the eBay site with the Raudive Diode Receiver with the push button microphone option. This is actually the picture he sent me of MY receiver after he modified to my specifications.....

Now they are an option to other buyers at a higher cost than without the switch of course....

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

http://cgi.ebay.com/EVP-Raudive-Diode-Receiver-Microphone-Switch-Ghost-Hunt-/220732655484?pt=UK_Gadgets&hash=item3364b1077c#ht_2065wt_905

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Posted: Feb 21st, 2011 04:16 AM | PM | Quote | Reply | 63rd Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

Here is what I have received from this Microphone/Switch Variety Raudive Diode Receiver....I haven't been out much lately because of the cold weather, but the last 4 days were nice (but I only used one time). This one is HARD to hear of course. Use the headphones-and still might not help. The capture was recorded on my Sony ICD-B16 and is the FIRST capture I ever got on this recorder....

My name is Jim (mentioned in recording)

Attachment: DENOISED-high-lowpass-amped-help_jim-evp.wav (Downloaded 18 times)

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Posted: Feb 27th, 2011 09:56 PM | PM | Quote | Reply | 64th Post

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: United Kingdom
Posts: 117
Status: Offline

Got my unit, not massively impressed that its all sealed up so you can't check things! Well I have and improved one of the connections.
Tested and shows its open to HF frequencies on one side, the side with the inductor anyway thats the ring of the 3.5mm plug.
The other side is indeed open and there is a scrolling sound probably generated in the home.

I intend to take it out into the country and try soon.

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Posted: Feb 27th, 2011 11:18 PM | PM | Quote | Reply | 65th Post

clockdryve
Member

Joined: Feb 7th, 2010
Location: Des Moines, Iowa USA
Posts: 321
Status: Offline

What do you mean by using the phrase "open"?? In electronics the word open means that the connection has been broken...then you also say that you "improved" upon one of the connections...does this mean that an area was poorlyy soldered?? My last question (2 really)...does his circuit design include a metal shield around his choice of electronics...and what is used in the design?? I have never "broke or cut" mine open.

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Posted: Feb 28th, 2011 11:51 AM PM Quote Reply 66th Post

mikesndbs
Moderator

Joined: Nov 21st, 2009
Location: **United Kingdom**
Posts: 117
Status: Offline

Hi

some clarification :-)

In this case open was used to indicate 'receptive to'

Yes, I was annoyed to find a earth loop buzz on the one channel so when I opened it I was not surprised to discover a bad connection.

There is a resistor with one of its legs sticking through the card cover that is meant to touch the foil wrapper.

He had not cleaned the leg and it still had gum on it, so I cleaned it and used a clip to attach it to the foil.

Yes, he has a foil wrapper around the circuits with a card insulator..

Anyway I tried it last night using just a simple cassette recorder.

I found it to be quite sensitive on its own.

The attached file (compressed and cut due to size limits here) will let you hear the results.

All I can hear is some bumps that might be due to tape impurities.

With no audio pick up, they are surprising all the same.

I don't hear any evp type voices but then I am bad at that.

Let me know?

Attachment: **R.Diode27.2.11.mp3** (Downloaded 11 times)

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Posted: Apr 9th, 2011 06:13 AM PM Quote Reply 67th Post

MrZeta
Member

Joined: Jun 8th, 2008
Location: **Maine USA**
Posts: 23
Status: **Online**

Howdi,

Not alot of time but I wanted to say hi...

Good info on the diodes...

I have been dealing with trying to quantify all this - I still am in disbelief and have my issues - however and I havnt got back into working with this almost 3 years now - why - cause the last few recordings I got I couldnt explain - kind of a shock an awe deal...

I have discovered some things and I really hate to devulge because I have felt so srong that the world really isnt ready for this...

I am not here to judge - it is like a thing inside me that prevents me or makes me feel that way - could be bad entities succeeding - who knows...

However - I am going to shed some light to help you...

1) Dont use opamps (anymore) (note to to the prev post on peamps etc...

When I get a religious station popping in with no tuning circuit for a few seconds; that worries me LOL...I had to start from square one..out goes the pretty little opamp...

So - go discrete - diodes, pn junctions, there seems to be some collectiveness here...you see how slow this is all taking place?

I am looking at more front end discrete sophistication - but I got personal problems, stuff to do, things that seem to hinder my work - thats why I am releasing what I know, or have been supposedly told by 'outside' sources...believe me this is hard for me to deal with...but I have improved since the last recording and want to get back into this...

As for the ebay stuff and Raudive design (with antenna!) - one experiment was to use the crystal radio - wiggling the diode was like changing stations quickly...then theres 1500AM land...

Save your money - $70+/- for this equipment? Wow...I would investigate the circuit but I wouldnt trust it...why...its a crystal radio...you dont want radio waves.

Example (untested by me yet) was a 600 or 10K ohm resistor input across mic input to recorded (IE no mic - just the resistor!) - results were obtained.

We are looking at electromagnetic induction here (one means of many)...ie just electrical OR magnetic, or both...there is a list...

And then there is the new problem of our own minds putting these messages onto recorders...I have solved that problem but not tried yet...I have all the means necessary to continue...

Work with discrete - all discrete - no opamps - and no EBAY stuff ! Dont buy what you cant see !

Supposedly, the entities are using many means to try and communicate (elcetronicaly); I seem to have access to many - I just need to design and build; but I have problems to work out...

The most reliable results: simple handheld 'TAPE' recorder...now with that having microcircuits...you see the need for work...

Good Luck!

Ok a hint has arrived in my head...a resistor changes to heat - its voltage can vary - into a voltage to frequency => audio into recorder...the need for transducers...no mic or...I dont know...

Wish me luck too ! I added my homepage to my profile if it isnt there already...

(ps Sorry about the typos - it is the info that counts! Besides most of our recordings are bits and pieces too...but there is info in the noise and we know that)

MrZeta

*Last edited on Apr 9th, 2011 06:18 AM by **MrZeta***

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