Subject: for manualblock -- Yamaha RP u100
Posted by lon on Thu, 16 Dec 2004 18:50:40 GMT
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You said:Lon; are you saying the recievor takes the output from the soundcard and amplifies it just as it would a regular line level source? That sounds intiqueing.I use Winamp exclusively but the learnig curve for me is wide and steep. I have a Pacifica outlet here from the university so I really never delved into the PC until I realised you could make music tapes from streaming audio. ends Sorry, I don't know if there's a way to change the text style andmake it bold like some of the other forums. The Yamaha is my only audio unit. I got it from www.buy.comwhen they were being discontinued and on steep reduction. Totalcost with shipping was something like $80. They turn up on ebay for this reason: people boughtat the steep reduction, cashed in the rebates and thenresell the units. I still keep an eye out for a backupunit as a spare. The other day one sold for $41... it went on bidat $29.00 plus $15 shipping. I missed the boat on that one.Sometimes they don't come complete with all the cables or no manual etc. There is another model which is 5:1 called the RP U200Those do not come on bid much and any out there are prob'lygetting to within their useful purchase limit. The Yam sets up in the usual soundcard to receivermanner with adapter plugs. A USB connection provides forcontrol of the Yam by the computer including on/off.There's several DSP's (digital signal processing) modessuch ass Hall, Church, Live and something called VDD.The VDD is the flatest, so I usually use that. The tuner portion has lots of presets. Yam comes witha small external antenna for FM, but a straight wireseems to work well for over the air broadcasts. So you can set up your recording stuff (I useAudiograbber by Jackie Frank which is now free) toselect Line-In and digitize any of the four inputsfrom AM/FM, TV. or stream. My one problem would be locating a softwareprogram to run on Linux. Though this product got discontinued I expect tosee others surface using these techniques. Most reveiwerssaid that the product was "before it's time." I'd addthat the documentation was very poor for anyone that just wanted to turn the the thing on and use it as a radio andthe controls are not very inuitive, to coin a phrase. Early on it was frustrating trying to figure out all the button combinations... like setting up the presets on a car radio without the book. You _need_ that manualand the documentation on disk which sets up the Yam inWindows. That said, I'm hoping that another product cyclewill produce more units with these features. My soundcard is a Turtle Beach Santa Cruz. My dream setup would be something like the Audigy breakout box from Creative labs with these receiver and USB control enhancements. Wayne, can you say a bit about using crossoversoftware? We'll get something going in here yet!
Yamaha RP U100 *pic*

Subject: HTML Tags
Posted by Wayne Parham on Fri, 17 Dec 2004 00:02:37 GMT
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To make text bold, surround it with the HTML bold tag like this: text that you want bold is displayed as text that you want bold You can also italicize: text that you want italicized text that you want italicized

Subject: Re: for manualblock -- Yamaha RP u100
Posted by Manualblock on Fri, 17 Dec 2004 00:58:34 GMT
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Excuse my ignorance but I would like to ask whether you know anything of the various logarythims such as WAV/Mpeg/Mp3 and which sounds better and how they interact with each other.Also when you digitise the streaming signal and download it to your hardrive, how can you up the sampling rate; with another sound card? And then how is that processed through the yamaha?

Subject: Re: for manualblock -- Yamaha RP u100
Posted by lon on Fri, 17 Dec 2004 05:59:11 GMT
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The best one to answer all these things locally would beBill Fitzmaurice (I think). Anyone feel free to get me straighton things. The file types and their algorithms that I am handlingon the most simple level are: the origin file type which is WAV the compressed file type from the WAV which is MP3 and the playback file written to cd which is WMA. WMA allows the burned cd to playback on a boombox or otherplayback devices not specifically designed for MP3. I'm going to say that at a certain point you can't gild thelily without making a huge file size with accompanyingplayback that you couldn't tell the difference about anyway. The more iterations you take a file through, the more 'artifacts' get introduced even though you are stilldealing with 1's and 0's information. Since the WAV format is the first iteration for recording of line-in and that is the format that is usedby wave editors such as my Goldwave, playback of the WAV file would introduce the fewest artifacts. The encoder is likely the most important element of the recording stream. The LAME encoder can be engaged as an external option by my Audiograbberprogram. There is actually an older version of thisencoder which has been tweaked for optimal performance. That's the chain as I understand it. I'm not knowing enough about Ogg Vorbis, it's compressionor lack of it, to comment on it but there's many out there whowill.

Subject: Digital formats
Posted by Wayne Parham on Fri, 17 Dec 2004 08:01:49 GMT
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There's a lot to digest about digital formats, compression, streaming and analog-to-digital and digital-to-analog conversions. The issues aren't difficult to understand, but there are a lot of things to examine. First, there is the matter of sampling rate and word size. Then there's the issue of aliasing. And of course there are also things to consider when going back the other way. There's the whole debate of oversampling and interpolating. One might look at what kind of output filters to use. In between, when the information is encoded digitally, there are the myriad of compression options. Some compression algorithms are lossy and others aren't. Lossy

algorithms are just that - information is lost and the signal is modified. How much is too much is the matter for debate.As for file formats, most of them have multiple options for sampling rate and compression. So the file format isn't as relevant as the sampling and compression/storage options. Once a signal is stored in a low-res format, it cannot be improved. If you record at 11kHz sampling rate and 8 bit conversion, then store the file using a highly compressed, lossy format, it doesn't matter if you reformat it into a hi-res file type because the signal is already degraded. It's like recording something on a cheap tape deck and then later transfering it to a high-quality media. You might use some EQ to try to make the signal sound a little better, but no matter what you do, distortion is bad and high frequency information is gone and cannot be retrieved.

Subject: Re: Digital formats
Posted by Manualblock on Fri, 17 Dec 2004 12:40:26 GMT
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Thanks both of you guys Lon and Wayne. The explanations are simple and lucid. Perfect.

Subject: Re: Digital formats
Posted by lon on Fri, 17 Dec 2004 19:49:11 GMT
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For audio in particular, I've located programs that have theirown forums so that if you get stuck, you can go to the forumsuch as the one for Goldwave and find out what others are doing.The guy at Goldwave took the specific suggestion to start the forum from his customers. That customer service promptedme to buy the program after using it in the trial version.Same deal with Audiograbber by Jackie Frank, except AG has gonefreeware since I purchased it. I don't regret paying for the prog.

Subject: Re: for manualblock -- Yamaha RP u100
Posted by George Valcarce on Sat, 01 Jan 2005 22:20:22 GMT
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Hello, Chanced upon your Yamaha RP-U100 discussion and thought I'd gime my question a shot... I also recently purchased one of these units as an interesting solution to my audio needs when using my MAC G4 Cube. The cube has only a usb audio interface and I figured that this would be a better sounding alternative to using the, I think, tinny sounding Apple Pro Speakers. The product page at the Yamaha multimedia products web site included in it's description of the RP's system requirements: "Mac OS 9.1 and above...". As it turns out, the unit I purchased had

only the Windows software disc. I've since discovered that Yamaha is no longer supporting this model and has taken the drivers & related software down from all of it's site (Japan included. Hit a dead end... I can still use the unit to play all sound files from the MAC, but have no controls other than the limited ones offered on the receiver itself. I must sa.y, however, that I am very pleased with the overall quality/sound. Music sounds pretty sweet when played through even a modest pair of Polk R15's and a small Yamaha sub I had. I was wondering if you might know of any source where I might get a hold of the missing software? I'm currently running OS 10.3 as my main system but, I still have 9.2 installed as well. Any Ideas? Thanks and heres hoping the coming year is fruitful & serene.