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# Onkyo (TX-NR 1007) Webinterface Programming

👤 fashice · 🕒 Oct 23, 2009 · 🏷️ onkyo

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**fashice**  
Standard Member

Oct 23, 2009

#1

Hi,

I've started to program a web interface to the Onkyo Receiver.  
Pictured is the 1st interface i made (i only got my Onkyo a few days)

Now adding a big list of commands i found in a list.  
You can compile your own interface just by editing a csv file (comma separated values)  
(hundreds of commands for most Onkyo systems)

eISCP (Integra Serial Control Protocol over Ethernet) using apache, php

Anyone interested in testing?

Anyone got a list of 1007 specific commands, or a updated list of the excel file containing the codes?  
(named binding.xls or rs232Rcvr\_2008.xls on the internet)  
(i've got 30 june 2008 v1.11)

henri



Last edited: Nov 2, 2009

1



**miceri**  
Active Member

Oct 27, 2009

#2

Hi fashice,

I don't think to many people actually have this receiver yet, and if so, they are too busy playnig with it.

Question: Why would you want a web-interface? Are you planning on accessing the unit remotely?

**fashice**

Standard Member

Oct 27, 2009

#3

Hi,

It's not only for a 1007 version

These types should also work:

TX-DS989

TX-DS787

TX-DS797

TX-DS898

TX-NR900

TX-NR901

TX-SR702

TX-NR1000

TX-NR5000

ETX-NA1000

TX-SR703

TX-SR803

TX-SR804

TX-SR805

TX-SA805

TX-SR875

TX-SA875

TX-NR905

TX-NA905

PR-SC885

TX-SR705

TX-SR706

TX-SA706

TX-SR806

TX-SA806

TX-SA706X

TX-SR876

TX-SA876

TX-SA806X

PR-SC886

TX-NR906

TX-NA906

TX-NA906X

+ other iscp (eiscp) enabled receivers

I liked to be able to control my receiver using a webinterface so a can control volume/soundmodes/etc using a browser on my laptop or mobile/pda by wifi. (around the house ... think multizone .. so when i'm not near enough using my ir-remote controlling my receiver )

And it's faster than using several keys on my remote.

Furthermore .. it's a nice little programming project

Cheers,  
Henri

---

**C****ctlu008**

Standard Member

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Oct 28, 2009 #4

I would be interested in testing it. I have a TX-NR 3007 hooked up to speakers in a bedroom on the other side of a large home. The home is fully wired for ethernet with wireless as well. Instead of buying into an expensive and proprietary way of controlling the receiver remotely I intend to use an Apple iPod touch connected wirelessly to my home network to control the receiver from the bedroom. I intended to write a Java applet but really any way to access it via the web interface would suffice as long as it supports the various command options.

In trying out the program that was posted in a TX-NR 905 forum it worked on a PC. It just didn't support many of the commands. Was able to turn it on / off and a few other basic things.

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Onkyo TX-NR 3007, Polk Audio SDA-1A

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**F****fashice**

Standard Member

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Oct 28, 2009 #5

Download link send ... to ctlu008 kaisersotze and mccltd

Let me know if it works for you.

Installation instructions included in zip file

H

Last edited: Oct 30, 2009

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**K****KaiserSotze**

Standard Member

---

Oct 28, 2009 #6

I'd also be interested in testing this out. Have a TX-NR807 here.

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**M****mccltd**

Standard Member

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Oct 30, 2009 #7

I would also be interested.

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**M****mali**

Standard Member

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Oct 30, 2009

 #8

I would be interested too. I have just bought an TX-NR807. I have managed to send commands using a perl script, but there are many open questions. I have asked Onkyo support for an updated list of commands, but did not get a response yet.

Are there commands to control a tv set through HDMI-CEC? Powering up would be sufficient for me at the moment.

Tschüss,

Mali

---

**F****fashice**

Standard Member

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Oct 31, 2009

 #9

I'll send ya the download link in a minute ..  
look at the xls file for commands

---

**K****kobza**

Standard Member

---

Nov 1, 2009

 #10

Hi

I have the Onkyo 807 and I am also interested on the WebInterface.  
Can you send me the link also.

Thanks  
Kobza

---

**L****ll\_cool\_j**

Standard Member

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Nov 1, 2009

 #11

hi fashice,

i just got my brand new onkyo TX-NR807. I've just tried the ISCP Remote, quite cool. But your tool looks

more comfortable and seems to have more options.

So please, let me join your new project

---

**A****amanbindal**

Standard Member

Nov 2, 2009

 #12

Hi,

Even I am intrested in testing this application. This is a gr8 App, Let me know if you can include me in this project.

I can contribute to the coding and testing. I am commecial IT consultant.

I will look forward to your email.

Thanks,


Aman

---

**C****craig1n**

Standard Member

Nov 5, 2009

 #13

Hi, i would be really interested in trying this out. I have the 906 and it is fully networked as I use the network feature all the time for playing music. The interface would be really nice if it could controll the play of music over the network. The controlls need only be the same as using the the remote ie start stop and next track etc.

---

**F****fashice**

Standard Member

Nov 5, 2009

 #14

Download @ <http://www.fash.nu/iscp/iscp.zip>

enjoy ...

stuff to do : fixing a better volume slider, reading status from receiver and preset/tuning entries (whenever i have more time)

craig1n look at the NTC commands

For people trying this : Let me know if it works, and on which receiver.

Also for people trying this on windows .. let me know

Cheers,  
Hengi Aanstoot

---

**C****craig1n**

Standard Member

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Nov 6, 2009

#15

I can confirm this is working on a 906 and with vista 32bit. 🙌 How cool would it be now if it would work with my iphone.

---

**F****fashice**

Standard Member

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Nov 6, 2009

#16

changed 204.php for xampp/windows users  
added a bigger cmds.csv example

enjoy

thanks **craig1n** for letting me know it works

---

**C****craig1n**

Standard Member

---

Nov 6, 2009

#17

Now works with my iPhone.

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**S****Simon Gales**

Standard Member

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Nov 7, 2009

#18

This is great stuff - I now have zone2 controls via a browser (zone2 is my patio/pool area).

I have a TX-NR1007, and use IE8 from WinXP. Works perfectly.

One question - the following trick doesn't work on the iPhone (Safari) - clicking any button leaves me on a blank 204.php page:

Code:

```
// trick browser into staying on same page  
header("HTTP/1.0 204 No Response");
```

**Craig1n** - how did you get this working on the iPhone? I can send commands no problem, but always end up on a blank 204.php page.

Anyone remember enough html code to know how to make this work in Safari?

Many, many thanks,  
-Simon

**infinite\_loop**  
Active Member

Nov 8, 2009

#19

Would anyone be so kind as to do an "idiots guide" to setting this up? I have macs and an iPhone, and an 807 but lack basic html knowledge!

**craig1n**  
Standard Member

Nov 8, 2009

#20

One question - the following trick doesn't work on the iPhone (Safari) - clicking any button leaves me on a blank 204.php page:

Code:

```
// trick browser into staying on same page
header("HTTP/1.0 204 No Response");
```

**Craig1n** - how did you get this working on the iPhone? I can send commands no problem, but always end up on a blank 204.php page.

Anyone remember enough html code to know how to make this work in Safari?

Many, many thanks,  
-Simon[/QUOTE]

That is what happens on my iPhone too. I just press the back button for now.

**Simon Gales**  
Standard Member

Nov 8, 2009

#21

craig1n said: ↑

One question - the following trick doesn't work on the iPhone (Safari) - clicking any button leaves me on a blank 204.php page:

Code:

[Click to expand...](#)

I fixed it by using a meta-refresh tag in 204.php (instead of the "No Response" header), here's what my version looks like now:

Code:

```
<?php
// Henri Aanstoot
// Onkyo Reciever Web Interface 2009
// Version 0.6b - 23 Oct 2009
// EDIT THIS
$receiveripnumber="192.168.0.243";
$receiverlistenport="60128";
// maximum to set volume (0-100)
$volumemax=40;
// ---- NO EDITING BELOW THIS LINE
[B]// trick browser into staying on same page[/B]
[B]// header("HTTP/1.0 204 No Response");[/B]
// write to Receiver
$f = pfsockopen($receiveripnumber, $receiverlistenport, $errno, $errstr, 30);
//get command from post form
$command=$_POST['cmd'];
//get volume if cmd is numeric
if(is_numeric($command))
{
if ($command > $volumemax) { $command=$volumemax; }
echo $command;
    $vol=str_pad(dehex($command), 2, '0', STR_PAD_LEFT);
    $command="!1MVL$vol";
}
// Calculate header and datapacket lengths
$length=strlen($command);
```



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```
// total eiscp packet to send
$line="ISCP\x00\x00\x00\x10\x00\x00\x00$code\x01\x00\x00\x00".$command."\x0D";
#fputs($fp,$line,$total);
// write
fwrite($fp, $line);
fclose($fp);
?>
[B]<html>[/B]
[B]<head>[/B]
[B]<title>Sending Command...</title>[/B]
[B]<meta http-equiv="refresh" content="0;url=index.php">[/B]
```

This worked fine with WinXP/IE8, WinXP/Firefox3, as well as iPhone/Safari.



-Simon



**Simon Gales**

Standard Member

Nov 8, 2009

#22

infinite\_loop said:

Would anyone be so kind as to do an "idiots guide" to setting this up? I have macs and an iPhone, and an 807 but lack basic html knowledge!

So I rarely touch Mac/OSX, so this is a little sketchy...

- 1) Setup a webserver. It appears that OSX already has Apache/PHP, see [Using Apache and PHP on Mac OS X](#) to activate them both.
- 2) Unzip the iscp.zip into it's own directory. From the above link, I'd bet `/Users/yourusername/Sites/` would be a good choice.
- 3) Now edit the 204.php file and put your receivers IP address and port# in there (see the comments near the top).

Code:

```
$receiveripnumber="192.168.0.243";  
$receiverlistenport="60128";
```

- 4) Fire up a web browser on the same Mac, and surf to "<http://localhost/~yourusername>". If that works, then try...
- 5) From your iphone, replace "localhost" with the ip-address of your Mac - i.e. <http://192.168.0.24/~yourusername>. (this is assuming that your iphone is using your home's wireless network).

-Simon



**fashice**

Standard Member

Nov 8, 2009

#23

Hi guys,

Nice to see it working for you.

I've looked at the 204 problem on iphone.

It should work but i don't have a iphone

(found this [Ben Ramsey » Blog Archive » HTTP Status: 204 No Content and 205 Reset Content](#))

i've made a change to the 204 script, it now (probably) detects a iphone and reverts to the meta-refresh workaround. (see simons post)

Thanks for everyone helping each other out, i'm quite busy ...

Henri

Ps: working on status reading right now. But still don't know if i want to use ajax for this.



**craig1n**

Standard Member

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Nov 9, 2009

#24

The new file works with the iPhone. I only have a very basic level of programming so thanks for the workaround.



**phpize**

Standard Member

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Nov 13, 2009

#25

I've rewritten the code and added the capability for status informations.  
The Java-Script for the volume is not implemented yet.

In the cmds.csv, you can make status entries:

Code:

```
status,!1PWRQSTN,Power
```

In the stati.cv, you can translate the output to user friendly text:

Code:

```
!1ZPW00,<font color='red'>OFF</font>  
!1ZPW01,<font color='green'>ON</font>
```

<http://forum.mwa.dyndns.org/downloads/iscp.zip>

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