

Command	Function	Argument	Value	Example
Set	Sets the value of a setting	Name of Setting	New Value of Setting	set?IPAddress=192.168.0.33  sets the IP Address to 192.168.0.33
Reset	Resets the ethernet web server	N/A	N/A	reset?reset=reset  resets the ethernet web server.
out	Sets or Toggles one of the four digital outputs	0, 1, 2 or 3 corresponding to the output	0, 1, or T 0=set to 0 1=set to 1 T=toggle	out?1=0  sets digital output 1 to 0.
defaults	Restores all defaults	N/A	N/A	defaults?defaults=defaults  restores all defaults. Defaults can be overridden in the file <b>settings.txt</b>
serial	Write to the Serial Port	0=send string with newline 1=send decimal code character 2=send string	String to send or character code	Serial?0=Hello World  Sends the string "Hello World" to the serial port and then sends a newline
permit	Change File Extension Permissions for the HTTP Server	0, 1, ..., 11 the number of the file extension	Dynamic, Static, Private, Public, Executable, Non Executable	permit?0=Dynamic  makes files of the first defined file extension dynamic.
Email	Send an email	filename	Subject	email?test.txt=Test Email  sends an email with body text made up of the contents of the file test.txt and with subject line "Test Email"
csettings	Create Settings File	filename	N/A	csettings?settings.txt  Create a new settings file and saves it to settings.txt overwriting what was there previously. This command has the effect of creating new defaults from the current settings.

Table.1: list of recognised commands.

Name	Dynamic Page Reference	Controls	Default Value
IPAddress	00	Defines the IP address of the ethernet web server	192.168.0.34
SubnetMask	02	Defines the subnet mask	255.255.255.0
Gateway	04	Defines the IP address of the gateway	192.168.0.1
PrimaryDNS	05	Defines the IP address of the primary DNS server	192.168.0.1
SecondaryDNS	06	Defines the IP address of the secondary DNS server	192.168.0.1
Password	07	Defines the password	Pass
User	08	Defines the username	Admin
HTTPPort	09	Defines the port number for HTTP	80
NTPServer	0A	Defines the NTP server	pool.ntp.org
NTPTimezone	0B	Defines the NTP Timezone in seconds from UTC	36000 (10 hours ahead)
DynDNSServer	0C	Defines the dynamic DNS server	dynupdate.no-ip.com
DynDNSServer Port	0D	Defines the dynamic DNS server port number	80
DynDNSUsername	0E	Defines the dynamic DNS account-username	-
DynDNSPassword	0F	Defines the dynamic DNS account-password	-
DynDNSHost	10	Defines the dynamic DNS host name for the ethernet web server	-
DynDNSDynIP Server	11	Defines the dynamic DNS public IP server	checkip.dyndns.com
DynDNSDynIP Port	12	Defines the dynamic DNS public IP server port number	80
DynDNSForce Update	13	Defines whether to force a dynamic DNS update even if the public IP has not changed	1
EmailAddress	14	Email address to send email notifications to	-
EmailServer	15	Email server (SMTP)	-
EmailFrom	16	Email from	-
EmailUser	17	Email username (to log into the Email server)	-
EmailPassword	18	Email password (to log into the Email server)	-
var0g	19	Gradient for variable #0	1.0
var0y	1A	Y intercept for variable #0	0.0
var0min	1B	Minimum for variable #0	0.0
var0max	1C	Maximum for variable #0	1024.0
var0decp	1D	Number of digits after decimal point for variable #0	1
var0name	1E	Name of variable #0	VAR0
var0logp	1F	Logging Period for variable #0 (minutes)	0 (off)

var0logsize	20	Log file size for variable #0 (number of entries)	0 (off)
var1g	21	Gradient for variable #1	1.0
var1y	22	Y intercept for variable #1	0.0
var1min	23	Minimum for variable #1	0.0
var1max	24	Maximum for variable #1	1024.0
var1decp	25	Number of digits after decimal point for variable #1	1
var1name	26	Name of variable #1	VAR1
var1logp	27	Logging Period for variable #1 (minutes)	0
var1logsize	28	Log file size for variable #1 (number of entries)	0
var2g	29	Gradient for variable #2	1.0
var2y	2A	Y intercept for variable #2	0.0
var2min	2B	Minimum for variable #2	0.0
var2max	2C	Maximum for variable #2	1024.0
var2decp	2D	Number of digits after decimal point for variable #2	1
var2name	2E	Name of variable #2	VAR2
var2logp	2F	Logging Period for variable #2 (minutes)	0
var2logsize	30	Log file size for variable #2 (number of entries)	0
var3g	31	Gradient for variable #3	1.0
var3y	32	Y intercept for variable #3	0.0
var3min	33	Minimum for variable #3	0.0
var3max	34	Maximum for variable #3	1024.0
var3decp	35	Number of digits after decimal point for variable #3	1
var3name	36	Name of variable #3	VAR3
var3logp	37	Logging Period for variable #3 (minutes)	0
var3logsize	38	Log file size for variable #3 (number of entries)	0
SMTTPort	39	Defines the port number for SMTP (email)	25
FTPPort	3A	Defines the port number for FTP commands	20
FTPDataPort	3B	Defines the port number for FTP data	21
Baudrate	3C	Defines the baud rate for the serial port	115200
NTPPort	3D	Defines the port number for NTP	123
ICMPEnable	3E	Defines whether ICMP (ping) is enabled	1
p0	3F	Permissions for File Extension #0	Dynamic, Non Executable, Public
p1	40	Permissions for File Extension #1	Static, Non Executable, Private
p2	41	Permissions for File Extension #2	Dynamic, Executable, Private
p3	42	Permissions for File Extension #3	Static, Non Executable, Public
p4	43	Permissions for File Extension #4	Static, Non Executable, Public

p5	44	Permissions for File Extension #5	Static, Non Executable, Public
p6	45	Permissions for File Extension #6	Static, Non Executable, Public
p7	46	Permissions for File Extension #7	Static, Non Executable, Public
p8	47	Permissions for File Extension #8	Static, Non Executable, Public
p9	48	Permissions for File Extension #9	Static, Non Executable, Public
p10	49	Permissions for File Extension #10	Static, Non Executable, Private
p11	4A	Permissions for File Extension #11	Dynamic, Non Executable, Private
f0	4B	File Extension #0	HTM
f1	4C	File Extension #1	TXT
f2	4D	File Extension #2	CGI
f3	4E	File Extension #3	XML
f4	4F	File Extension #4	GIF
f5	50	File Extension #5	PNG
f6	51	File Extension #6	JPG
f7	52	File Extension #7	CLA
f8	53	File Extension #8	WAV
f9	54	File Extension #9	PDF
f10	55	File Extension #10	DAT
f11	56	File Extension #11	CGH
c0	57	Content Type for File Extension #0	text/html
c1	58	Content Type for File Extension #1	text/plain
c2	59	Content Type for File Extension #2	text/html
c3	5A	Content Type for File Extension #3	text/xml
c4	5B	Content Type for File Extension #4	image/gif
c5	5C	Content Type for File Extension #5	image/png
c6	5D	Content Type for File Extension #6	image/jpeg
c7	5E	Content Type for File Extension #7	application/java-vm
c8	5F	Content Type for File Extension #8	audio/x-wave
c9	60	Content Type for File Extension #9	application/pdf
c10	61	Content Type for File Extension #10	application/octet-stream
c11	62	Content Type for File Extension #11	text/html
c12	63	Content Type for Other File Extensions	application/octet-stream
p12	64	Permissions for Other File Extensions	Static, Non executable, Public
FTPTimeout	65	Defines the FTP session timeout (seconds)	600 (10 minutes)

Table.2: shows the writeable variables, their default values, what they control and the dynamic page content codes.

Name	Dynamic Page Reference	Controls
File Permission String	B0	Shows the file permission for the file extension in a human

for File Extension #0		readable string format.
File Permission String for File Extension #1	B1	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #2	B2	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #3	B3	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #4	B4	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #5	B5	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #6	B6	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #7	B7	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #8	B8	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #9	B9	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #10	BA	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #11	BB	Shows the file permission for the file extension in a human readable string format.
File Permission String for File Extension #12	BC	Shows the file permission for the file extension in a human readable string format.
Var 0 Value	D0	Current value of Variable #0
Var 1 Value	D1	Current value of Variable #1
Var 2 Value	D2	Current value of Variable #2
Var 3 Value	D3	Current value of Variable #3
Var 0 Raw	D8	Current ADC value of Variable #0
Var 1 Raw	D9	Current ADC value of Variable #1
Var 2 Raw	DA	Current ADC value of Variable #2
Var 3 Raw	DB	Current ADC value of Variable #3
Var 0 Log Num	C0	Current logging entry number of Variable #0
Var 1 Log Num	C1	Current logging entry number of Variable #1
Var 2 Log Num	C2	Current logging entry number of Variable #2
Var 3 Log Num	C3	Current logging entry number of Variable #3
Output 0	F0	Current state of digital output #0
Output 1	F1	Current state of digital output #1
Output 2	F2	Current state of digital output #2
Output 3	F3	Current state of digital output #3
MAC Address	E0	MAC Address
Firmware Version	E1	Firmware Version
NTP Time	E2	Current time

Dynamic DNS Public IP	E3	Public IP address of the ethernet web server as determined by the Dynamic DNS module
Memory Card Free MB	E8	Amount of free memory on the memory card in megabytes
Memory Card Total MB	E9	Amount of total memory on the memory card in megabytes
Last Ping Time	EE	Last time a ping echo request was received by the ICMP module
Last Ping from IP	EF	IP address of the last ping echo request received by the ICMP module
Last FTP Result	DD	Last result of an attempted FTP login (whether it was declined or granted)
Last FTP Time	DE	Last time an FTP login was attempted
Last FTP from IP	DF	IP address of the last attempted FTP login

Table.3: shows the read only variables, what they measure and the dynamic page content codes.