



## **QNAP NAS (XBMC) control module**

For use with.....



Driver software written and provided by...



## Introduction

This module has been designed to provide one way control of supported QNAP NAS drives running the XBMC application, via TCP/IP.

This AMX module has been tested with the following QNAP product:

- TS-269L (NAS firmware version: 4.1.0, XBMC version: 12.3.0)

Module release version: v1.00.

## NAS Configuration

It is recommended that the NAS drive be configured with a static IP address. This is achieved by navigating to **Control Panel > System Settings > Network** and choosing to edit the relevant Interface. Select **Use static IP address** and enter the relevant details, before clicking **Apply**.

## AMX Configuration

### Adding the modules to your project

Copy the following files from the zip package to the folder where your project is stored:

*QNAP\_NAS.tko*

Add the above files to your project. Next, add parameter definitions and a define\_module line to your master source file, similar to the following:

#### define\_device

```
dvQNAP_NAS = 0:4:0
vdvQNAP    = 33003:1:0
dvTP       = 10001:1:1
```

#### define\_variable

```
char QNAP_IP[15] = '192.168.1.100';
```

```
define_module 'QNAP_NAS' NAS ( DEVICE,
dvQNAP_NAS,
QNAP_IP,
BTN_COMMANDS )
```

## Configure Module Parameters

Name	Explanation
DEVICE	Array of all touch panel and virtual devices using the module. <b>NOTE: Feedback will only be sent to the first DEV in the table.</b>
dvQNAP_NAS	Ethernet port
QNAP_IP	The IP address of the NAS
BTN_COMMANDS	An AMX integer array. This contains the button channel number at the correct index in the array (see "buttons.axi" for an example).

## Interfacing with the Module

For a complete example of the usage of this module, see the accompanying demonstration project included in the zip package.

Push Index table for "BTN\_COMMANDS" parameter:

Index	Name	Explanation
1	BTN_UP	Move the cursor up
2	BTN_DOWN	Move the cursor down
3	BTN_LEFT	Move the cursor left
4	BTN_RIGHT	Move the cursor right
5	BTN_OK	Make a selection
6	BTN_BACK	Cancel the current screen and return to the previous one
7	BTN_HOME	Move the cursor to the top of the current list
8	BTN_STOP	Begin playback
9	BTN_PLAY	Stop playback
10	BTN_PAUSE	Pause/un-pause playback
11	BTN_TRACK_RWD	Play the previous item
12	BTN_RWD	Reverse playback
13	BTN_FWD	Advance playback
14	BTN_TRACK_FWD	Play the next item
15	BTN_BACKSPACE	Delete the previous character / Back
16	BTN_VOL_PLUS	Increase the volume
17	BTN_VOL_MINUS	Decrease the volume
18	BTN_A	Type the letter "a" / Audio delay control
19	BTN_B	Type the letter "b" / Live TV: Schedule recording timers
20	BTN_C	Type the letter "c" / Contextual Menu / Playlist
21	BTN_D	Type the letter "d" / Move item down
22	BTN_E	Type the letter "e" / Live TV EPG/TV guide
23	BTN_F	Type the letter "f" / Fast forward
24	BTN_G	Type the letter "g"
25	BTN_H	Type the letter "h" / Live TV channels window

26	BTN_I	Type the letter "i" / Info
27	BTN_J	Type the letter "j" / Live TV radio channels window
28	BTN_K	Type the letter "k" / Live TV recordings window
29	BTN_L	Type the letter "l" / Next subtitle / Lock preset
30	BTN_M	Type the letter "m" / Player controls (OSD) / Move (File Manager)
31	BTN_N	Type the letter "n" / Now Playing playlist
32	BTN_O	Type the letter "o" / Codec info
33	BTN_P	Type the letter "p" / Play / Visualisation preset list
34	BTN_Q	Type the letter "q" / Queue
35	BTN_R	Type the letter "r" / Rewind / Rename
36	BTN_S	Type the letter "s" / Shutdown Menu / Show preset
37	BTN_T	Type the letter "t" / Toggle subtitles on/off
38	BTN_U	Type the letter "u" / Move item up
39	BTN_V	Type the letter "v" / Teletext / Visualisation settings
40	BTN_W	Type the letter "w" / Mark as Watched/Unwatched
41	BTN_X	Type the letter "x" / Stop
42	BTN_Y	Type the letter "y" / Switch player
43	BTN_Z	Type the letter "z" / Zoom/aspect ratio
44	BTN_SPACE	Insert a space / Pause/Play
45	BTN_0	Type the number "0" / Live TV: go between the last two channels
46	BTN_1	Type the number "1"
47	BTN_2	Type the number "2"
48	BTN_3	Type the number "3"
49	BTN_4	Type the number "4"
50	BTN_5	Type the number "5"
51	BTN_6	Type the number "6"
52	BTN_7	Type the number "7"
53	BTN_8	Type the number "8"

54	BTN_9	Type the number "9"

## Feedback

The module supplies the following feedback, sent as strings to the virtual device. Note: each keyword is followed by a space.

Command Header	Explanation
VERSION <VALUE>;	VALUE = version number
STATUS <TYPE>=<DESC>	TYPE = READY, BUSY, ERROR. DESC = debug message