

ANALOG WAY MIDRA™ 4K

AMX NETLINX

Date: **March 15, 2021**
Driver version: **V1.00**
Compatible with: **Midra™ 4K Firmware v1.1.9 or above**

INTRODUCTION

All modules included in package must be included in the project. These modules mainly provide presets, master presets, TAKE and global TAKE feature, Midra™ 4K processor information feedback as well as some remote-control functions.

IMPLEMENTATION

To interface this module in an AMX program, the programmer must perform the following tasks (see example program available):

- Include the Midra4K_Proc_Com module in the main program
- Include the Midra4K_Screens_Aux module in the main
- Include the Midra4K_Presets module in the main
- Include the Midra4K_MasterPresets module in the main

```
DEFINE_MODULE 'Midra4K_Proc_Com' Midra4K_Proc
```

```
(  
    Midra4K_Machine,  
    Midra4K_Adresse,  
    Midra4K_Port,  
    Midra4K_Proc_COM,  
    Midra4K_Modules_Array,  
    Midra4K_General_Panel  
)
```

```
DEFINE_MODULE 'Midra4K_Screens_Aux' Midra4K_Screens_Aux_Com
```

```
(  
    Midra4K_Proc_COM,  
    Midra4K_Screens_Aux_COM,  
    Midra4K_General_Panel  
)
```

```
DEFINE_MODULE 'Midra4K_Presets' Midra4K_Presets_Com
```

```
(  
    Midra4K_Proc_COM,  
    Midra4K_Presets_COM,  
    Midra4K_General_Panel  
)
```

```
DEFINE_MODULE 'Midra4K_MasterPresets' Midra4K_MasterPresets_Com
```

```
(  
    Midra4K_Proc_COM,  
    Midra4K_MasterPresets_COM,  
    Midra4K_General_Panel  
)
```

Edit the file Midra4K_User_Definitions.axi and adjust user parameters:

- **CONSTANT**

- *IPad_Num_Device* = 10001
set with your real panel device number
- *Virtual_Midra4K_Panel* = 33001
set with your virtual panel number
- *Virtual_Midra4K_Num_Device* = 34001
set with your virtual device number

- *DEVICE*
 - *Midra4K_Machine = 0:3:0*
set with your device number.port.system
- *DEFINE_VARIABLE*
 - *INTEGER Midra4K_Port = 10606*
Midra4K TCP PORT (Default port is 10606)
 - *CHAR Midra4K_Adresse[]='192.168.2.140'*
Midra4K IP ADDRESS

Add definitions files to your projects:

- *INCLUDE 'Midra4K_User_Definitions.axi'*
- *INCLUDE 'Midra4K_Definitions.axi' //DO NOT MODIFY the CONTENT OF THIS FILE!*

COMMANDS

Command Control

- "IP_Connect" to connect Midra™ 4K device
- "IP_Disconnect" to disconnect Midra™ 4K device

Channels

The channels supported are listed below.

Channel code	Description
GENERAL	
1	Connect TCP Client to Midra™ 4K (channel 3 for feedback)
2	Disconnect TCP Client from Midra™ 4K (channel 3 for feedback)
4	Shutdown Midra™ 4K - No feedback
5	Wake up Midra™ 4K - No feedback (channel 7 for feedback)
6	Reboot Midra™ 4K - No feedback (channel 7 for feedback)
SCREENS	
10	Global TAKE - will transition all SCREENs and AUXs included in the list - No feedback
11 to 12	SCREEN TAKE - 11 for Screen1 - 12 for Screen2
13	AUX TAKE
21 to 22	Add SCREEN or AUX to global TAKE list - 21 for Screen1 - 22 for Screen2
23	Add AUX to global TAKE list

Levels

The levels supported are listed below.

Level code	Description
31 to 32	Screen Preset selection for SCREEN PROGRAM (level 31 for Screen1, level 32 for Screen2). The level value is the preset index (1 to 200) to be recalled
33	Aux Preset selection for AUX PROGRAM The level value is the preset index (1 to 200) to be recalled
41 to 42	Screen Preset selection for SCREEN PREVIEW (level 41 for Screen1, level 42 for Screen2, ...). The level value is the preset index (1 to 200) to be recalled

43	Aux Preset selection for AUX PREVIEW The level value is the preset index (1 to 100) to be recalled
51	Master Preset selection for PROGRAM The level value is the preset index (1 to 50) to be recalled
52	Master Preset selection for PREVIEW The level value is the preset index (1 to 50) to be recalled

FEEDBACKS

Channels

The channels supported are listed below.

Channel code	Description
3	Midra™ 4K TCP Client connection Status
7	Midra™ 4K Standby Status
11 to 12	SCREEN Take Status - 11 for Screen1- 12 for Screen2 ON during Take transition
13	AUX Take Status ON during Take transition
21 to 22	Status of SCREEN into global take list - 21 for Screen1 - 22 for Screen2. Off if not included in list - ON if included in list
23	Status of AUX into global take list. Off if not included in list - ON if included in list
31 to 230	Screen Presets availability status
241 to 440	Aux Presets availability status
451 to 500	Master Presets availability status

Levels

The levels supported are listed below.

Level code	Description
131 to 132	Last Screen preset recalled for SCREEN PROGRAM (level 131 for Screen1, level 132 for Screen2). The level value is the preset index (1 to 200) to be recalled
133	Last Aux preset recalled for AUX PROGRAM The level value is the preset index (1 to 200) to be recalled
141 to 142	Last screen preset recalled for SCREEN PREVIEW (level 141 for Screen1, level 142 for Screen2). The level value is the preset index (1 to 200) to be recalled
143	Last Aux preset recalled for AUX PREVIEW

	The level value is the preset index (1 to 200) to be recalled
151	Last Master preset recalled for PROGRAM The level value is the preset index (1 to 50) to be recalled
152	Last Master preset recalled for PREVIEW The level value is the preset index (1 to 50) to be recalled

Texts

The texts supported are listed below.

Address code	Description
1	User messages
31 to 230	Screen Presets name
241 to 440	Aux Presets name
451 to 500	Master Presets name