

# INTRODUCTION

## AMX driver for MIDRA™ 4K series v1.00

compatible with Midra™ 4K firmware v1.1.9  
or higher



*Developed by*



**ANALOG WAY®**  
*Pioneer in Analog, Leader in Digital*

## Introduction

This document describes the driver interface provided between an AMX NetLinx system and a Midra™ 4K series processor.

## Package content

The package contains the following components:

- the \*.tko library files
- the \*.axi file for parameters definition
- a Netlinx Studio project sample
- a TPDesign project sample for iPad (one for TPDesign4 and one for TPDesign5)
- the documentation

## Key features

- Compatible with any AMX NetLinx® control systems and with any Midra™ 4K processor
- Recall a Screen memory to Program or to Preview screen destination
- Recall an AUX memory to Program or to Preview destination
- Recall a Master memory to Program or to Preview AUX destination
- Transitioning the Preview content to the Program
- Control device (reboot, shutdown, sleep or wake up)

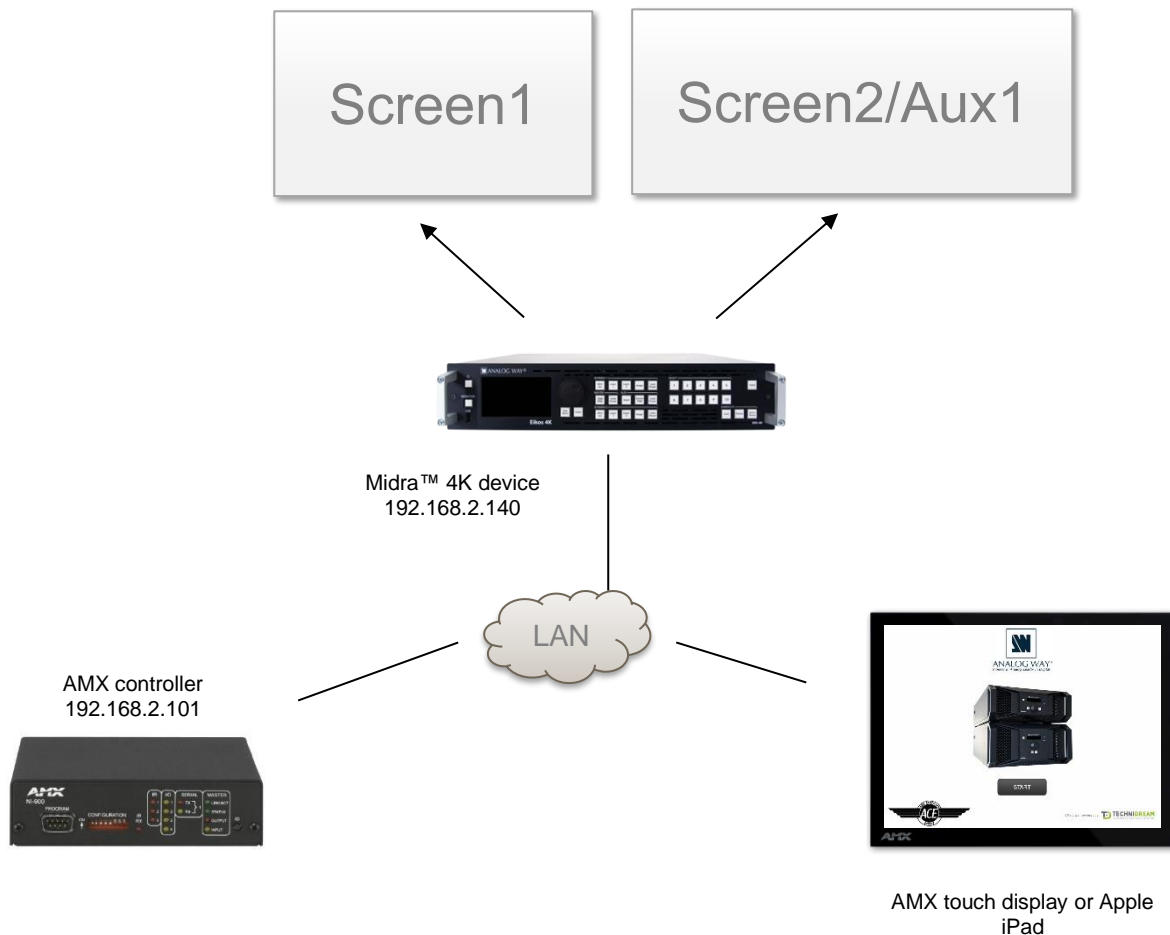
## Requirements

- Any Analog Way Midra™ 4K live presentation switcher (Eikos 4K, Pulse 4K, Quick Matrix 4K, QuickVu 4K) with firmware 1.1.9 or higher
- Any AMX NetLinx® control systems with Ethernet connection
- Any AMX compliant display

## Configuration and settings for running the example

The example provided within the package has been designed to control a Midra™ 4K live presentation switcher with two Screens (Screen 1 and Screen 2), or one Screen (Screen 1) and one Auxiliary output (Aux 1).

Before running this sample, please make sure your configuration (as well as the IP addresses) matches the diagram below:



The example also uses few screen (and AUX) presets and master presets that should be created with the Web RCS before running it.

Of course, you can reuse this example as much as necessary to implement your own solution.

## Using the example

Launch the AMX NetLinX Studio program then connect the AMX controller (see menu **Settings / Master Communication Settings** menu). For more information about this topic, read the corresponding AMX documentation.

2 - Load the Midra4K\_v1.00.apw project (located in the provided package **Example - Software and Driver** directory) then edit the file Midra4K\_User\_Definitions.axi to change the default settings. Compile the sample project then transfer it to the AMX controller (see menu **Tools / File Transfer**). If successful, the controller automatically reboots and runs the sample program.

3 - Load the TPDesign sample project for iPad (one project available for TPDesign4 and one available for TPDesign5), located in the provided package **Example - Panel** directory. Once the selected file loaded, you can transfer it to the panel (see menu **Transfer / Send to Panel**).

**Important:** To transfer the project to an iPad device, it is mandatory to use the AMX TPTransfer program (and not TPDesign).



## Example configuration customization

To use this driver in a Midra™ 4K AMX program, the programmer must perform the following tasks:

- Include both the Midra4K\_User\_Definitions.axi and Midra4K\_Definitions.axi files into the application project. These two files must appear before the declaration of the driver modules themselves.
- Open the Midra4K\_User\_Definitions.axi file and configure the IP address and the port of the Midra™ 4K™ processor as well as the different device numbers (touch panel, Midra™ 4K device, AMX controller ...).
- DO NOT CHANGE the file Midra4K\_Definitions.axi.

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