

# INTRODUCTION

## AMX<sup>®</sup> Driver for Vertige<sup>™</sup>

V1.00

*Developed by*



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*Pioneer in Analog, Leader in Digital*

## Introduction

This document describes the driver interface provided between an AMX NetLinx system and a Vertige™ console (IP protocol only).

The package provided includes:

- \*.tko library files
- \*.axi file for parameters definition
- A Netlinx Studio project sample
- A TPDesign project sample for AMX MST-701 touch panel
- Modules documentation

## Key features

- Compatible with any Netlinx control systems
- Load a specific show/iteration for a specific user
- Load presets to Preview or Program
- Transitioning the Preview content to the Program
- Run macros
- Control the playback of the sequence

## Using the example

1 - 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 Vertige.apw project (located in the provided package **Driver** directory) then edit the file Vertige\_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 - This example expects that you have first created the user 'AW\_user' on the Vertige™ console as well as a show named 'Show #1' (the example provides you with the choice of loading 'Show #1', 'Show #2' or 'Show #3'). The iteration should contain few presets, some macros and a sequence.

## Implementation

In order to use this driver in a Vertige™ AMX program, the programmer must perform the following tasks:

- Include both the Vertige\_User\_Definitions.axi and Vertige\_Definitions.axi files in the application project. These two files must appear before the declaration of the driver modules themselves.
- Open the Vertige\_User\_Definitions.axi file and configure the IP address and the port of the Vertige™ console as well as the different device numbers (touch panel, AMX controller ...).

Then update the 3 arrays (User\_Name\_Txt, Show\_Name\_Txt and Iteration\_Txt) to define the Vertige™ user names, show names and iteration indexes you want support in your application.

For each module used in the program, you need to assign the value 1 to the corresponding variable Vertige\_Module\_Usage (*Module* is the module name). If an optional module is not used, the value of this variable must remain at 0. In order to avoid overloading the processor, it is strongly advised not to 'load' any optional modules that will never be used by the main program.

- DO NOT CHANGE the file Vertige\_Definitions.axi.
- Include all necessary driver modules in the main program project (see sample program available with this package ):
  - The Vertige\_Proc\_Com module is **required** (communication module)
  - The Vertige\_General module is **required** (core module)
  - The Vertige\_Workspace module is **required** (show management module)
  - The Vertige\_Macros module is optional. Required to run macros
  - The Vertige\_Sequence module is optional. Required to control the playback of sequences
  - The Vertige\_Preset\_Transitions module is optional. Required to load presets and run transitions.

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