SAVI X STREAM NOTE or MELODY LIGHT DRIVER
INSTALLATION INSTRUCTIONS
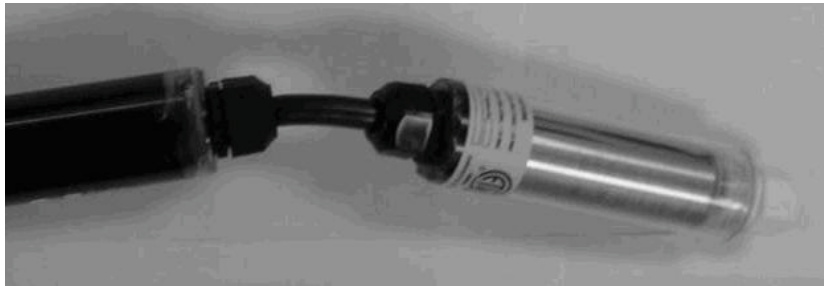# SAVE THESE INSTRUCTION!

Welcome to the most innovative LED Feature Lighting Devices in the pool & spa market today. These Light Drivers produce a powerful LED Lighting source that when combined with numerous Savi X Stream Lighting Feature Products, allow for incredible lighting effects to occur in and around swimming pools and spas.

This is the **Savi X Stream Note Driver**. The cord length is either 100 or 150 ft long.

The driver is identified as a Note because it has a 4 conductor Cord and is a single body.

These units are designed to be used with 1 of our M4 Control Boxes. The M4 Control boxes come in 3 different versions, so consult our Nexxus Pool & Spa Product book for the all the information regarding features and benefits.

This is a **Savi X Stream MELODY Driver**. The cord length is also either 100 or 150 ft in length. The driver can be identified as Melody unit because it has only a 2 conductor cord and has 2 chambers or bodies. The 2nd chamber contains the control circuits for proper light operations. These

Savi X Stream Melody Light drivers are designed to be connected to either a CLASS 2 or CLASS 3 outdoor rated 12 VAC transformer.

Transformer size is based upon the number of Savi X Stream Melody Light drivers and Savi Melody Pool lights that are being connected to the transformer. **EACH SAVI X STREAM MELODY LIGHT DRIVERS draws 14 Watts of power.**

Note: Savi Pool & Spa recommends the use of Intermatic PX100 or PX300 transformers.

Read and follow all safety and installation instructions carefully.
Read instruction completely before start of your installation.

The conduit size required for the cord on either Savi X Stream Light driver should be a minimum of 1" in diameter. The conduit needs to be supplied from the location of either the M4 or the Class 2 or Class 3 12VAC transformer.

All Savi X Stream Light drivers are designed to accept up to 200 strands of fiber. This is the maximum capacity of fiber. Depending upon the Savi X Stream Feature Products being used there could be excess capacity still available in the X Stream Light driver tip. Other individual X Stream Feature products can be added **AS LONG AS THE MAXIMUM COUNT OF 200 STRANDS IS NOT EXCEEDED.**

ETL Listed for installation outside 5 ft (1.5M) of the outer edge of the pool water

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NOTE: All Savi X Stream Light Drivers are totally waterproof and are not required to be installed

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SPECIAL NOTE: Though the Savi X Stream Light Drivers are waterproof, it is important to provide MINIMUM DRAINAGE so the fiber bundles being installed do not develop dirt and possibly algae within their strands. Neither one will damage the fiber but could, over time, interfere with the light transmission from the Savi X Stream Light Drivers LED light source.

LOCATING THE SAVI X STREAM DRIVERS

The location of each driver is dependent upon the Savi X Stream Feature product being installed. The X Stream driver needs to be located within the fiber length of the X Stream Feature product being installed. For instance: The Savi X Stream Bubbler come with 40ft of 100 strand fiber, therefore the Savi X Stream Light Driver needs to be with the 40ft radius of the fiber. In other words, not further than 40 ft away from the Savi X Streams Bubblers location.

BE VERY CAREFUL REGARDING THIS AS FIBER CANNOT BE SPLICED OR ADDED TOO .
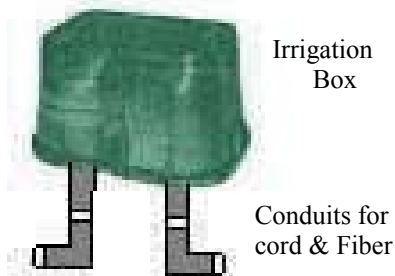
Note: If multiple Savi X Stream Feature products are being installed, the Savi X Stream Driver needs to be located **within the length of all fiber on the products being installed into that driver.**   An example would be if 2 Savi X Stream Bubblers are being installed, the Savi X Stream Driver needs to be located in a postion so that both lengths of fiber (1 from each bubbler) can be installed into that driver. Each fiber run will require a separate 1" conduit run.

Physical Install Enclosures

The Savi X Stream Light drivers, based upon the products being installed into the driver, could end up needing to by physically located in the pool deck area or in near by softscape. Depending upon where these Light Drivers need to be located, Nexxus Lighting suggest 1 of the following 2 enclosures.

FOR LANDSCAPE INSTALLATION:

Savi Pool & Spa recommends the use of a typical Irrigation Box. This box will serve as a junction box in which the fiber optic cables from the Savi X Stream Feature Product, the Savi X Stream Light Driver and the Light drivers cord conduit will all come together.

Irrigation Box

Conduits for cord & Fiber

Savi Pool & Spa recommends when the irrigation box is used in a landscaping environment, that the deck lid be located 2" HIGHER than the grade level.

This will prevent materials from intruding or washing down into the irrigation boxes interior under heavy sprinkler operation or rainfall.

NOTE:

It is important that the irrigation box have proper drainage. Savi Pool & Spa recommends that he irrigation box be installed or placed on at least 12" minimum of gravel or similar drainage material. If located in a heavy water area, we recommend that a drainage pipe be located in the gravel bed and installed in such a manner as to remove as much as possible any water build up. The Savi X Stream Light Drivers are completely waterproof but this drainage is required to prevent dirt and debris building up between the LED light source in the Light Driver and the Fiberoptic bundles be installed in the tip.

At this time run the fiber optic bundles that are coming from the Savi X Stream Feature Product though their respective 1" conduits and bring them into the irrigation box's interior. Leave as much extra fiber as possible within the irrigation box as service loop for future use.

Pull the cord from the Savi X Stream Light driver from the irrigation box back to the electrical installation location for either the M4 (Note driver) or the 12 Vac transformer (Melody driver).

Connect the Fiberoptic bundle(s) to the Savi X Stream Light driver. Position the Light driver and fiber optic bundles in the interior of the irrigation box and secure the top.

Final wiring connections should be done at this time. If a Savi X Stream Note Light driver is being installed, the final connections should be made by following specific wiring instruction contained in the M4 installation manual.

If a Savi X Stream Melody Light driver is being installed, connect to the UL Listed Outdoor Rated Class 2 or Class 3 transformer per that manufacturers instructions.

SAVI POOL & SPA RECOMMENDS THAT A LL ELECTRICAL CONNECTION, REGARDLESS OF VOLTAGE, BE DONE BY A LISCENCED ELECTRICAL CONTRACTOR OR OTHER LIS-CENCED CONTRACTORS CERTIFIED TO SUCH INSTALLATIONS.

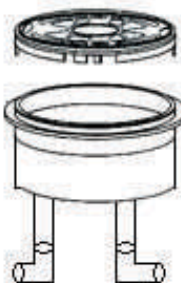WE DO NOT RECOMMEND ANY HOMEOWNER TRY AND PERFORM THESE INSTALLA-TIONS.

FOR IN-DECK INSTALLATIONS:

When the installation requires that the Savi X Stream Light driver be installed within the pool decking area, we have the following 2 suggestions:

1. Use the same irrigation box mentioned above in Landscaping Installations and follow the same installation instructions as previously mentioned.

OR

2. Use a skimmer lid and a skimmer extension collar to create an area for the conduits and Light driver to come together. This installation requires all the same steps as required in the Landscape Installation section. This is especially important regarding drainage.

Skimmer Lid

Skimmer Extension Collar

Conduits for Light Driver cords & Fiber optic

Each Savi X Stream Feature product contains specific installation instruction. Follow those directions for proper installation.

For additional information or answers to questions - contact Savi Pool & Spa Technical Department at 407.855.5942