Smart MatriX LE - SMX100

QUICK START

Thank you for choosing **Analog Way** and the **Smart MatriX LE.** By following these simple steps, you will be able to setup and use your powerful 10x2 Scaled Matrix with Native Hi-Res. within minutes. Discover the **Smart MatriX LE** extensive capabilities and intuitive interface while configuring your first show, and unleash your creativity for a new experience in show and event management by **Analog Way**.

What's in the box

1 x Smart MatriX LE
1 x Power supply cord
2 x DVI male to HD15 female and DVI-D female breakout cable
1 x HD15 to 5 BNC cable
1 x Ethernet cross cable (for device update)
1 x Set of 3 audio 5 pin screw terminals
1 x RCS - Remote Control Software (PC only) *
4 x Screws for handle removal (M4x12mm)
1 x Quick Start guide
1 x User Manual (PDF version) *

* *Download on our website: www.analogway.com/technical_support/*

WARNING !

If required, front handles of the device can be dismantled, but with caution.
The original screws removed must not be reintroduced to their location without handles in place.
Substantial damages can occur, including risk of electric shock from the mains voltage.

Only **M4x12mm** screws can be used.
(They are supplied with the unit)

Quick install and setup

Key points:

• Red LED: Source is on Main

• Blinking button: Source selected for modification

• DSK function is available

• BLACK button allows to remove Layer (Clear function)

IN NATIVE MATRIX MODE:

- **No PIPs** on Background Live
- **No preview**
- **No Logos, no Frames**

Getting started:

1. Observe all safety precautions. Rackmount chassis (please refer to user's manual) or install in «table top» configuration.

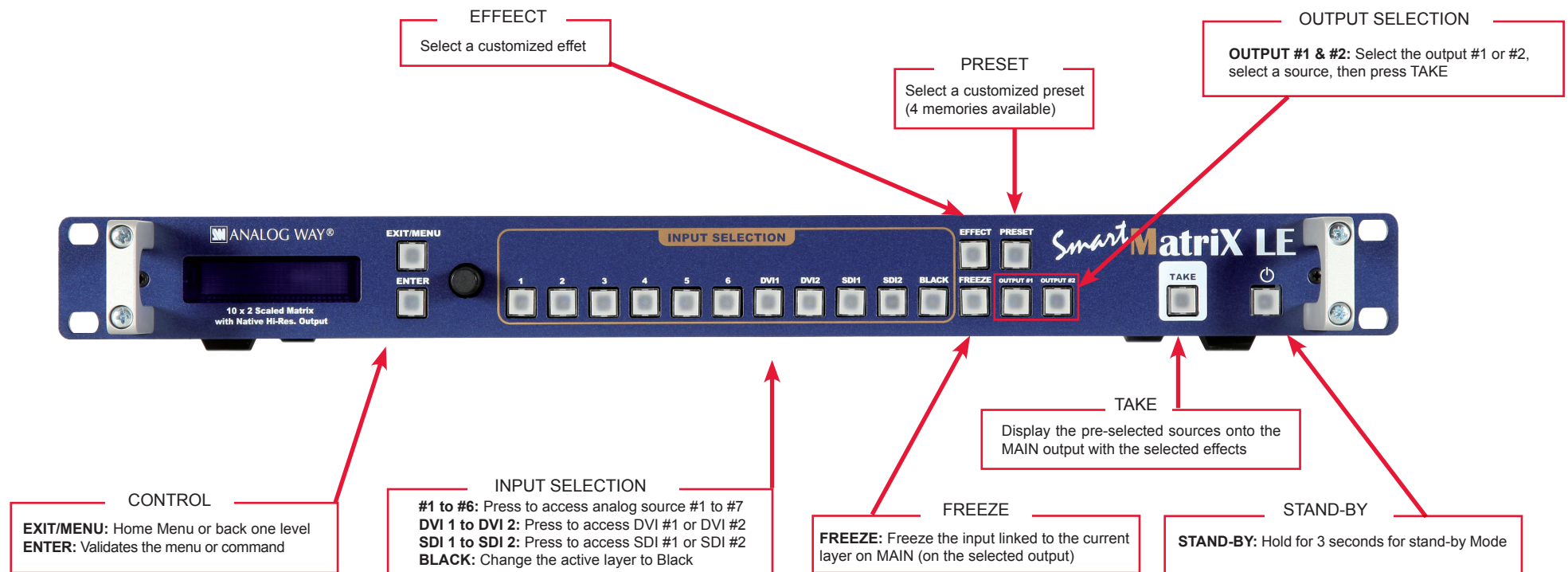2. Connect all inputs (please refer to user's manual: Input specification).

3. Power on.

4. Perform factory reset:

   • Press the EXIT/MENU button, from the Home Menu

   • Select [Control] > navigate in the Menu by rotating the corresponding knob

   • Press the ENTER button or push the knob to enter the control sub-menu

   • Select [Default Values] and press ENTER button. This operation should take approximately 30 seconds.

IMPORTANT: simply selecting a menu item will not set it to that value. Be sure to press the **ENTER** button when parametering the menu items.

Smart MatriX LE - Ref. SMX100
Front Panel Description

EFFEECT

Select a customized effet

PRESET

Select a customized preset (4 memories available)

OUTPUT SELECTION

OUTPUT #1 & #2: Select the output #1 or #2, select a source, then press TAKE

TAKE

Display the pre-selected sources onto the MAIN output with the selected effects

CONTROL

EXIT/MENU: Home Menu or back one level
ENTER: Validates the menu or command

INPUT SELECTION

#1 to #6: Press to access analog source #1 to #7
DVI 1 to DVI 2: Press to access DVI #1 or DVI #2
SDI 1 to SDI 2: Press to access SDI #1 or SDI #2
BLACK: Change the active layer to Black

FREEZE

FREEZE: Freeze the input linked to the current layer on MAIN (on the selected output)

STAND-BY

STAND-BY: Hold for 3 seconds for stand-by Mode

BUTTON COLOR USAGE

No light:
#1 = Input not available on autolock
#2 = Layer not available
#3 = Button not available depending on the user mode

Solid red:
#1 = Source is on Main
#2 = Freeze enable

Solid green:
#1 = Source is on Preview
#2 = Function available for modification
#3 = Current output on Matrix Mode

Dim green:
Button available for selection

Blinking red:
Active Source for modification on current output

Blinking green:
Active Source for modification on current output

Dim red:
Stand-by button

OUTPUT SETUP

1- Press the EXIT/MENU button from the Home menu [all functions must be confirmed by the ENTER button]

2- Press [**Output**]

3- Press [**Output format**]

4- On Format line, select the display's native resolution

5- Control or adjust your display device (Monitor or Video Projector)

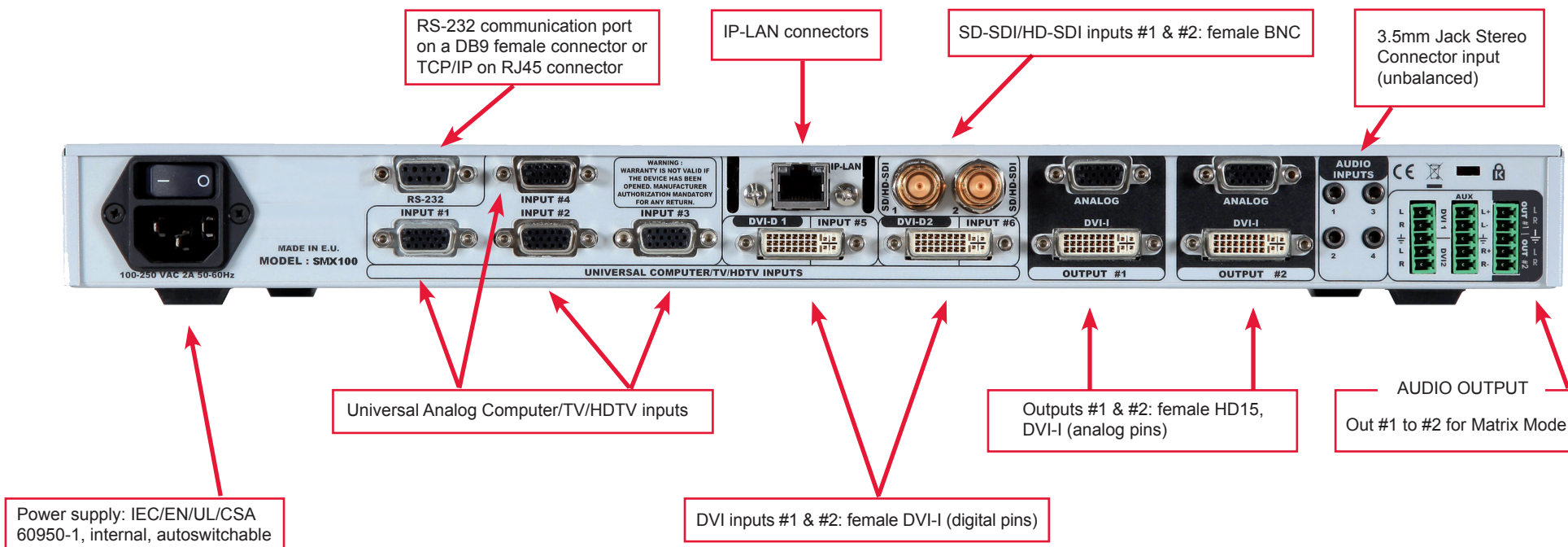**6-** If necessary, select [**Test Pattern**] in the Output menu

INPUT SETUP

1- Press the EXIT/MENU button from the Home menu [all functions must be confirmed by the Enter button]

2- Press [**Input**] and [**Autoset ALL**]

3- If the acquisition has failed, check all connections and perform a manual setup

4- For a comprehensive Input Setup, please refer to user's Manual

5- For a manual input setup, press the EXIT/MENU button:
    a) Press [**Input**],
    b) Select the right input from Input #1 up to SDI #2, then
    c) Select [**Type**].

NOTE: To adjust input Size or Pos, use the [Layer] Menus.

To adjust Blanking, use the Auto-Centering or Blanking adjustments in the Image menu.

Smart MatriX LE - Ref. SMX100
Rear Panel Description

RS-232 communication port on a DB9 female connector or TCP/IP on RJ45 connector

IP-LAN connectors

SD-SDI/HD-SDI inputs #1 & #2: female BNC

3.5mm Jack Stereo Connector input (unbalanced)

MADE IN E.U.
MODEL : SMX100

100-250 VAC 2A 50-60Hz

WARNING : WARRANTY IS NOT VALID IF THE DEVICE HAS BEEN OPENED. MANUFACTURER AUTHORIZATION MANDATORY FOR ANY RETURN.

UNIVERSAL COMPUTER/TV/HDTV INPUTS

Universal Analog Computer/TV/HDTV inputs

Outputs #1 & #2: female HD15, DVI-I (analog pins)

AUDIO OUTPUT
Out #1 to #2 for Matrix Mode

Power supply: IEC/EN/UL/CSA 60950-1, internal, autoswitchable

DVI inputs #1 & #2: female DVI-I (digital pins)

WORKING WITH SMX100

The features of SMX100 can be controled by the external remote control as:

- Orchestra - Ref.: ORC50;
- Axion 2 - Ref.: ARC200;
- Remote Control Software - Ref.: RCS (supplied);
- Triple Remote Control Keypad - Ref.: TRK-800;
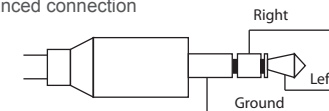- Remote Control Keypad - Ref.: RK-300.

HOME MENU

- **INPUT :** select to configure the 12 individual input types and resolutions
- **OUTPUT 1 :** in Matrix mode, select to set the output types and resolutions of Output 1
- **OUTPUT 2 :** in Matrix mode, select to set the output types and resolutions of Output 2
- **PRESET :** select to store and use presets
- **IMAGE :** select to change source image settings of an input
- **KEYING/TITLING :** select to access keying and titling controls and parameters
- **LAYER :** select to adjust layer size, position, border, transparency or transitions
- **AUDIO :** select to access all audio input and output parameters
- **CONTROL :** select to access device software information, LAN settings, reset factory settings, amongst other user oriented functions (see next page)
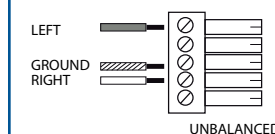- **VIRTUAL T-Bar :** select to access the Virtual T-Bar

AUDIO INPUTS CONNECTIONS

MCO male connectors
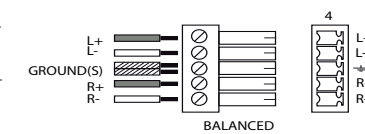Inputs #1 to #4: Unbalanced connection

Right
Left
Ground

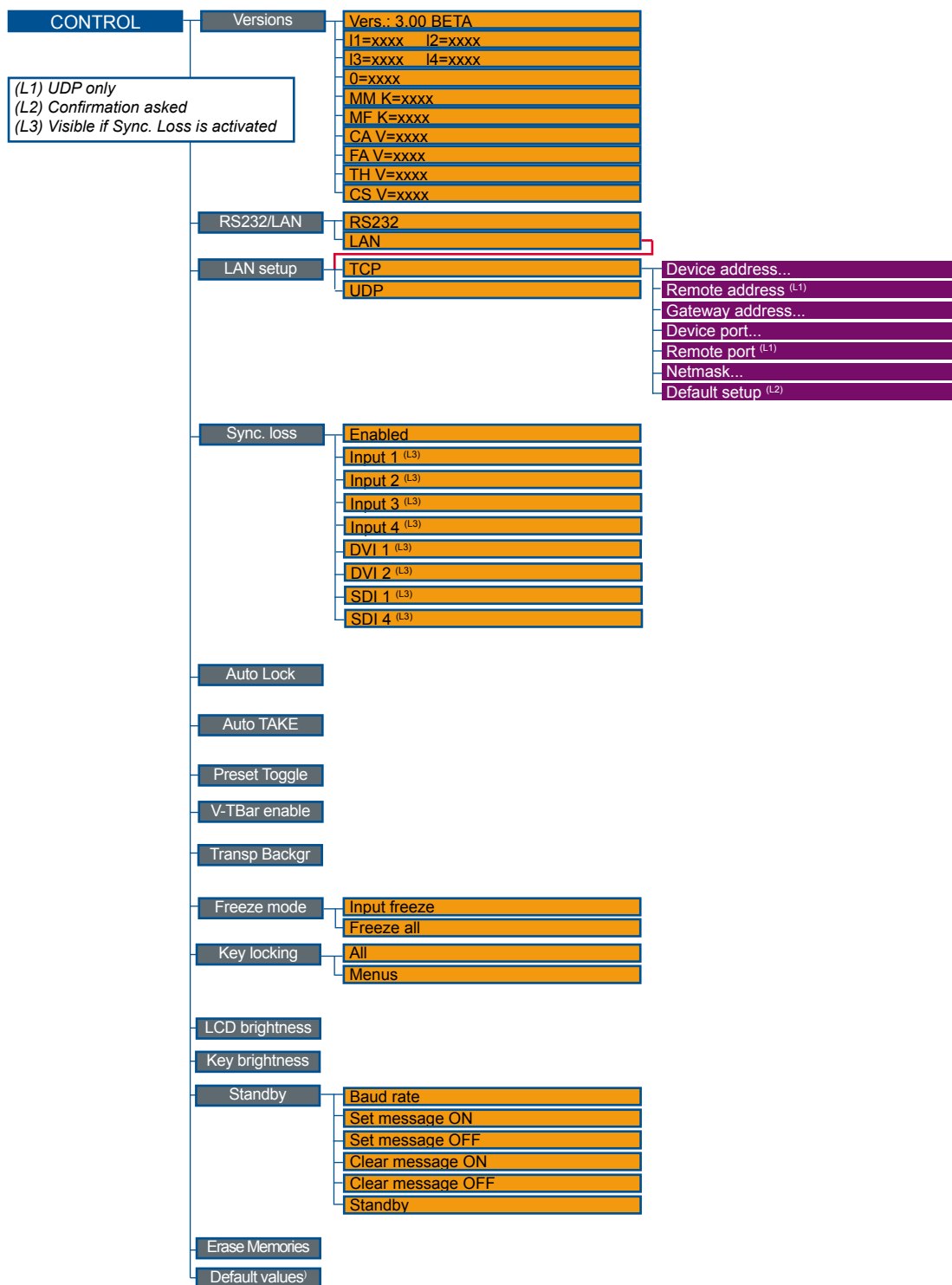Inputs #5 to #6: Unbalanced connection

LEFT
GROUND
RIGHT

L+
L-
R+
R-

UNBALANCED

Input #7 (AUX): Balanced connection

L+
L-
GROUND(S)
R+
R-

L+
L-
R+
R-

BALANCED

Outputs #1 & #2: Unbalanced connection

Home Menu (extract)

CONTROL — Versions
- Vers.: 3.00 BETA
- I1=xxxx   I2=xxxx
- I3=xxxx   I4=xxxx
- 0=xxxx
- MM K=xxxx
- MF K=xxxx
- CA V=xxxx
- FA V=xxxx
- TH V=xxxx
- CS V=xxxx

(L1) UDP only
(L2) Confirmation asked
(L3) Visible if Sync. Loss is activated

RS232/LAN
- RS232
- LAN

LAN setup
- TCP
- UDP

- Device address...
- Remote address (L1)
- Gateway address...
- Device port...
- Remote port (L1)
- Netmask...
- Default setup (L2)

Sync. loss
- Enabled
- Input 1 (L3)
- Input 2 (L3)
- Input 3 (L3)
- Input 4 (L3)
- DVI 1 (L3)
- DVI 2 (L3)
- SDI 1 (L3)
- SDI 4 (L3)

Auto Lock

Auto TAKE

Preset Toggle

V-TBar enable

Transp Backgr

Freeze mode
- Input freeze
- Freeze all

Key locking
- All
- Menus

LCD brightness

Key brightness

Standby
- Baud rate
- Set message ON
- Set message OFF
- Clear message ON
- Clear message OFF
- Standby

Erase Memories

Default values)

Warranty

This **Analog Way** product has a 3 year warranty on parts and labor, back to factory. This warranty does not include faults resulting from user negligence, special modifications, electrical surges, mishandling (drop/crush), and/or any other damage caused by misuse.

Going further with the Smart MatriX LE

For complete details and operations procedures, please refer to the **Smart MatriX LE** User's Manual and our website for further information: **www.analogway.com**.