



# Operator's Guide for 3D Functions

## 3D Technology

There have been two basic methods of viewing 3D pictures up until now:

- a) the shutter method
- b) the polarisation technique


METZ LCD TV sets work with the polarisation technique for displaying 3D pictures.

In order for the viewer to recognise the 3D effect, he needs Metz 3D glasses, which work according to the polarisation method.

Shutter glasses cannot be used for METZ LCD TV sets.

## Looking at 3D Pictures

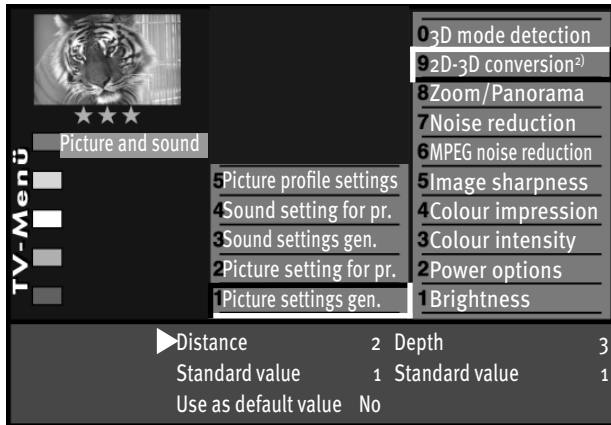
If the 3D picture material is supplied by a player (e.g. Blu-ray player) which is connected to the TV set by an HDMI cable, then it automatically changes over to the 3D view.

The 3D view can also be called up with the button  .

The TV set also offers the possibility of converting a 2D view to a 3D view.

A 3D view can only be shown by a device that is equipped with a compatible screen.

MENU



EXIT

## Basic Settings for the 2D-3D Conversion

The conversion from 2D to 3D can be configured in the “Picture and Sound” menu.

The effect of the 3D view can be set in the “Distance” and “Depth”.


The “Distance” describes the virtual distance of the scene to the view.

“Depth” describes the spatial depth effect of the displayed scene.

### Setting the 2D-3D Conversion

- Press key **MENU** .

The TV menu is displayed.

- Press the blue key  . The menu "Picture and sound" and the menu item "General picture settings" are pre-selected.
- Use the right cursor control key to change to the right column.
- Use the assigned numeric key to go to “2D-3D Conversion”.
- Use the cursor control buttons to select the “Distance” or “Depth” menu option.
- Change the setting with the **V+ / V-** key.
- Save the changed setting with the key **OK** .
- Close “TV menu” with the key **EXIT** .

*2) Possible only on sets equipped with this function.*

## 3D mode detection


When 3D shows are broadcast, the broadcasting station usually also transmits a “3D identifier”

With the “Automatic On” setting, the TV set recognises which picture is being received and automatically sets the right 3D format selection.

### Setting 3D Mode Detection

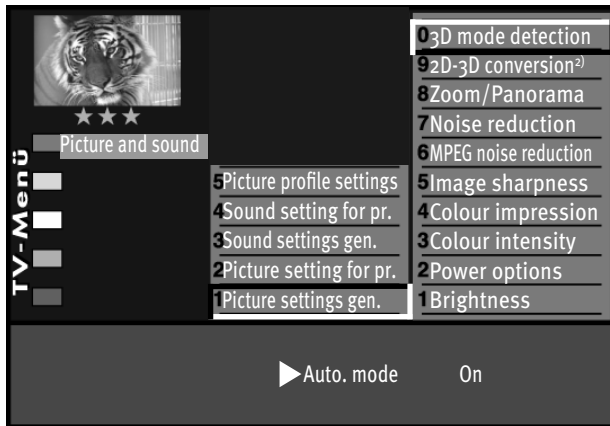
- Press key **MENU** .

The TV menu is displayed.

- Press the blue key  . The menu "Picture and sound" and the menu item "General picture settings" are pre-selected.

- Use the right cursor control key to change to the right column.
- Use the assigned numeric key to go to “3D Mode Detection”.
- Change the setting with the **V+ / V-** key.
- Save the changed setting with the key **OK** .
- Close “TV menu” with the key **EXIT** .

**MENU**



**EXIT**

*2) Possible only on sets equipped with this function.*

## 3D Format Selection

3D pictures are created using the “Side-by-side method” (2D 2D) or the “Top-and-bottom method” (2D 2D).

With the “side-by-side method”, the 3D pictures are shown alternatively side-by-side for the left and right eye. With the “top-and-bottom method”, the pictures alternate on the top and bottom in rapid succession. The result of both methods is that full vertical or horizontal resolution is no longer possible.

F1



The viewer can define in which format the show or movie is to be viewed with the 3D format selection.

A “standard show in 2D” can be converted to a 3D show or a 3D movie from a Blu-ray player can be converted to a 2D movie.

Pictures that are replayed using the “photo display” can also be shown in 3D format. To do this, use the button (F1) and (1) button to change to the 2D – 3D format selection before opening the “photo display“.

### Select Format

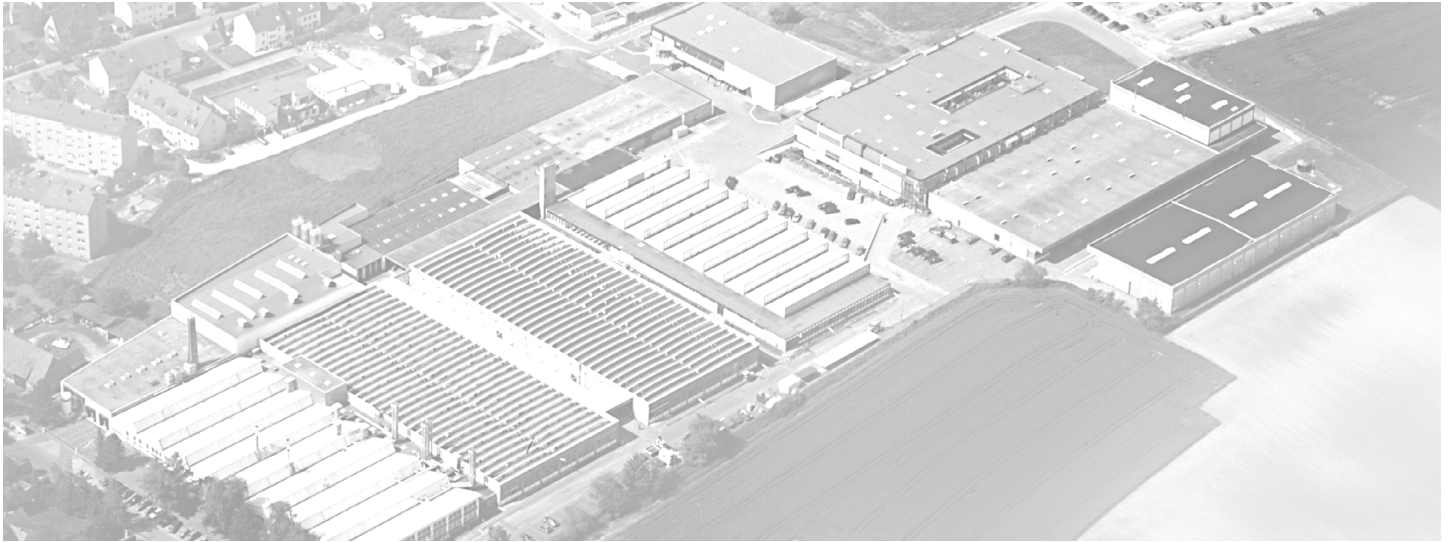
- Press the button (F1) ; the format selection will be shown. The button (F1) must be programmed with the “3D format selection”. To do this, see the operator’s guide for the TV set in chapter 17 “Programming the Function Keys”.



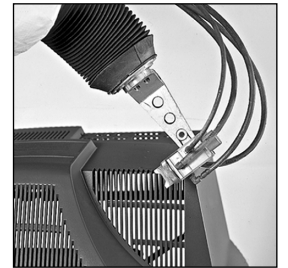
- The format selection can be changed with the numeric keys or the cursor control keys.



Subject to changes due to technical progress and errors.



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