

OPERABILITY EXTERNAL STB SOLUTIONS

DFU LINE

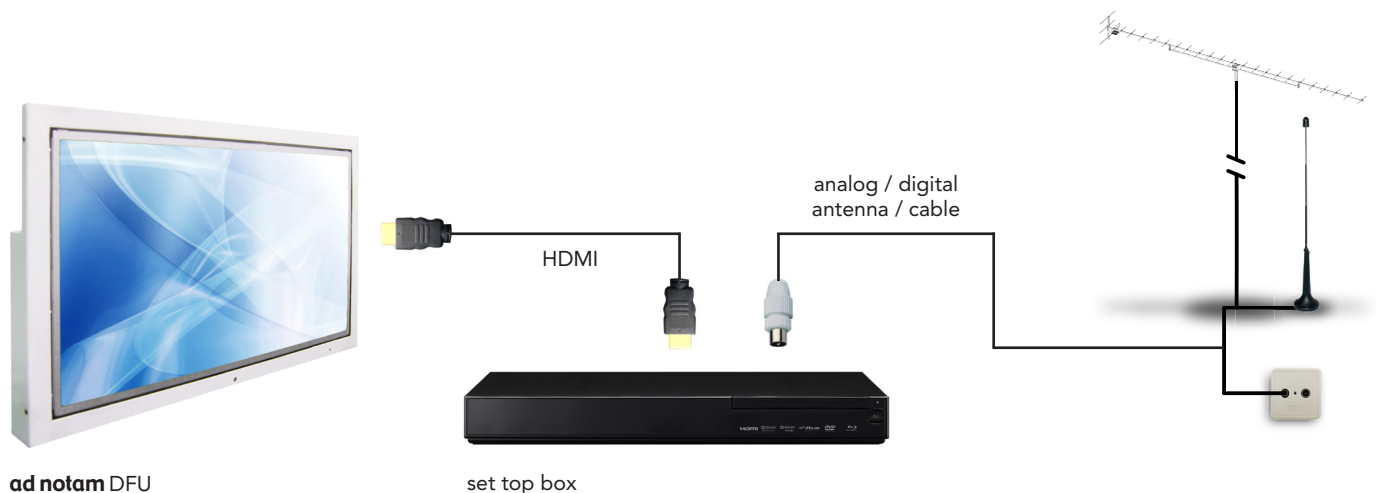
The **ad notam** Display Frame Unit (DFU) is a special monitor system, designed for optimal performance behind glass and mirror surfaces. The DFU is an „open system“, ready to interact with any set top box (STB) that features an HDMI or a Component output port, so that users are free to choose a solution according to individual requirements and/or preferences. As requirements may vary due to country specific conditions or clients perceptions an appropriate set top box solution has to be selected case-by-case.

There are basically 2 alternative setup solutions regarding the operability of the **ad notam** Display Frame Unit and an external set top box:

1. The DFU acts as a passive monitor system

The **ad notam** Display Frame Unit Line has the ability to work in a master-slave mode whereas the STB is the master and the DFU is the slave. When the master sends an HDMI or Component signal to the connected DFU it will wake up and consequently change into standby mode if the STB is turned off.

Advantage	NO additional cabling required / simple setup
Disadvantage	Set top box must be positioned within reach of the IR remote control



Requirements set top box	Operability	OSD menu settings (ad notam DFU)
HDMI and/or Component output port in order to be connected with ad notam DFU	IR remote control from the external set top box (must point at the IR receiver of the STB)	Activate „Input Scan Standby“ within the „Service Settings“ menu

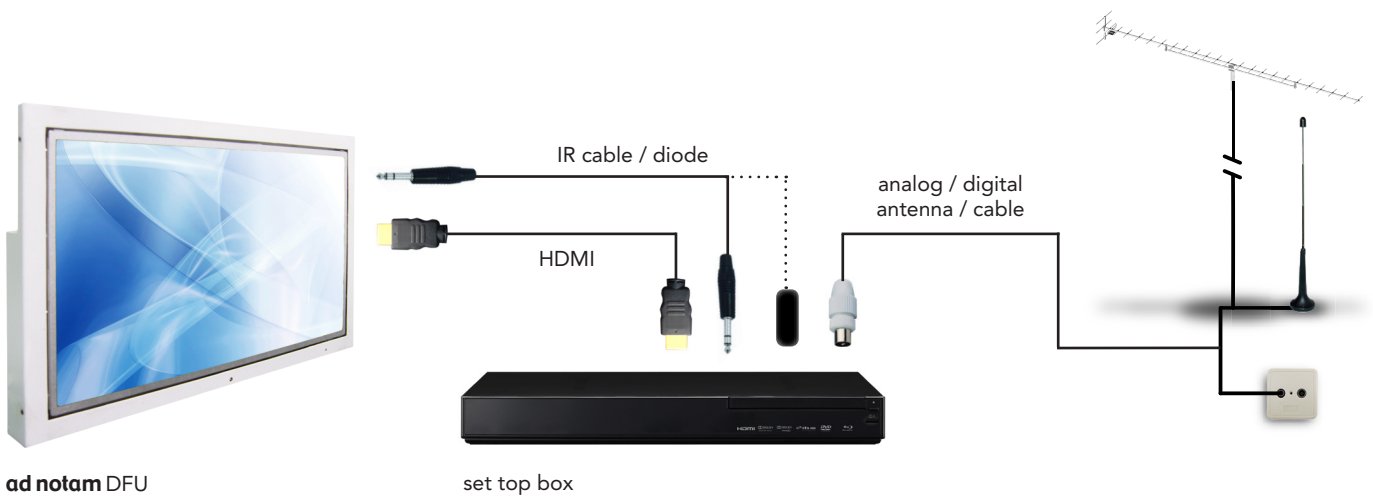
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2. IR loopthrough from the DFU to the external set top box

The **ad notam** Display Frame Unit has the ability to transfer IR signals to the STB. For this purpose an IR cable from the DFU will be connected to the IR-in port of the STB. If no IR-in port is available a cable with an IR emitter diode can be attached in front of the IR receiver eye of the STB.

Advantage	Set top box must NOT be positioned within reach of the IR remote control
Disadvantage	Additional cabling required



Requirements set top box	Operability
<p>HDMI and/or Component output port in order to be connected with ad notam DFU</p> <p>IR-in port in order to be able to process the looped-through IR signal from the IR remote control; alternatively an IR emitter diode (self-adhesive) can be affixed in front of the STB IR receiver eye</p>	<p>Option A: 2 remote controls (STB and ad notam DFU), both must point at the IR receiver of the ad notam DFU</p> <p>Option B: 1 universal remote control with learning function (must point at the IR receiver of the ad notam DFU)</p>