

**SCREEN SERVICE BROADCASTING TECHNOLOGIES**

VIA Giuseppe Di Vittorio, 17  
25 125 BRESCIA, ITALIA



**TUNE –UP PROCEDURE SDT 500 UB ARK 6**

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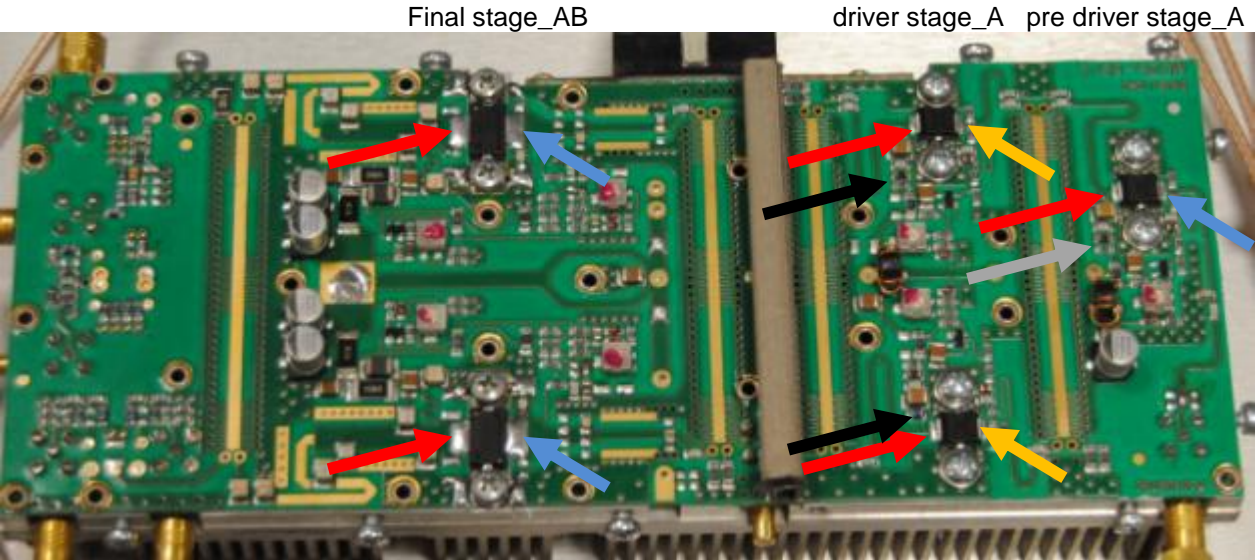
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**1.1 PURPOSE**

The document purpose is to give the sufficient and necessary information about:



VDC 24 V  
VDC 3.4 V  
VDC 3.7 V

FINAL STAGES CURRENT VALUES ARE SLIGHTLY FREQUENCY DEPENDANT

Power Consumption at quiscnt			Polarization Voltage		
			0.145 ± 0.005V		Pre driver GREY
1.6 ± 0.1A			0.275 ± 0.005V		Driver BLACK
			0.275 ± 0.005V		Driver BLACK

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### 1.2 CHANNEL SETTING

The channel setting operations are the following:

1. Connect the equipment by the front TCP/IP connector to the LAP TOP using the IP address shown by the front display. The following alternatives will appears




2. Once connected select the window(ON THE LEFT)  to select to change the output channel

Channel	<input type="text" value="ch60"/>	Power [dBm]	<input type="text" value="30.2"/>
Offset [Hz]	<input type="text" value="0"/>	Power [W]	<input type="text" value="1.047"/>
Bandwidth [MHz]	<input type="text" value="8"/>		

Push down arrow and select the channel:

Channel	<input type="text" value="ch60"/>
Offset [Hz]	<input type="text" value="0"/>

3. Save the new setting by pushing 

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### 1.3 OUTPUT POWER SETTING

The output power setting (MAX POWER in ATSC MODE is 20 W = 43 dBm) operations are the following:



1. Connect the equipment by the front TCP/IP connector to the LAP TOP using the IP address shown by the front display. The following alternatives will appears




2. Once connected select the window  to select to change the output power

Channel	<input type="text" value="ch60"/>	Power [dBm]	<input type="text" value="30.2"/>
Offset [Hz]	<input type="text" value="0"/>	Power [W]	<input type="text" value="1.047"/>
Bandwidth [MHz]	<input type="text" value="8"/>		

There are two possible option:

- a.  in dBm (in this case the max value will be 43)
- b.  in W ( in this case the max value will be 20)

3. Save the new setting by pushing 

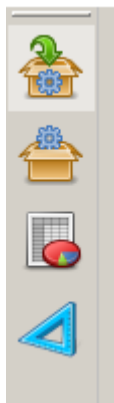
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### 1.4 INPUT SELECTION

To select the input please operate as follows:

1. Connect the equipment by the front TCP/IP connector to the LAP TOP using the IP address shown by the front display. The following alternatives will appears



2. Once connected select the window



Input

Input Selector

ASI 1

Input Alarm Delay [s]

1

Tuner

Channel

ch39

Offset [Hz]

0

3. Select INPUT SELECTOR and by pushing the down arrow choose the defined input mode

4. Save the new setting by pushing



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### 1.5 THRESHOLD SELECTION

The to select the FORWARD and TEMPERATURE threshold please operate as follows:

1. Connect the equipment by the front TCP/IP connector to the LAP TOP using the IP address shown by the front display. The following alternatives will appears



2. Once connected select the window



FWD Power Thresholds

Alarm [dBm]	-3
Warning [dBm]	-2

3. Select the FWD power THRESHOLD level and the Warning level.

Temperature Thresholds

Alarm [°]	60
Warning [°]	55

4. Select the Temperature THRESHOLD level and the Warning level.

5. Save the new setting by pushing

