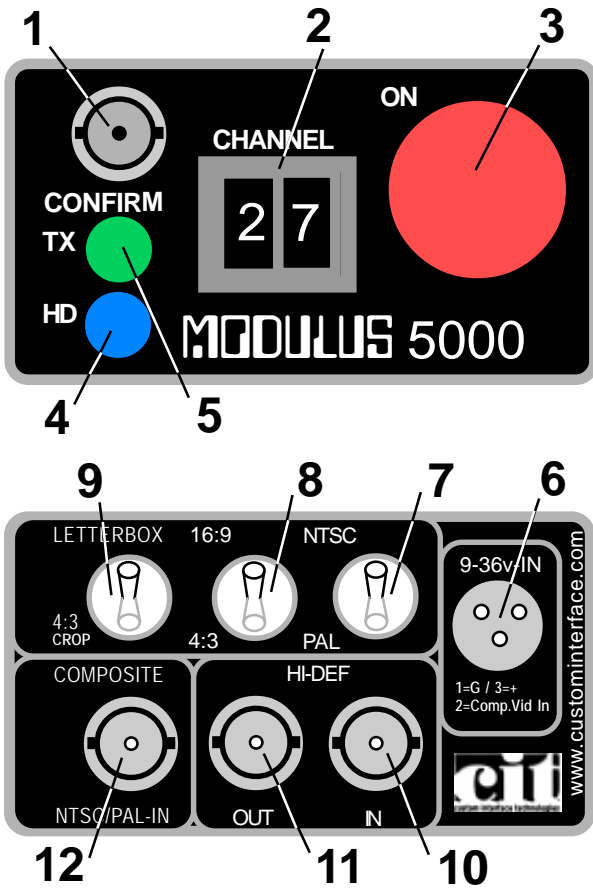


MODULUS 5000



1	BNC-Female connector for RF Output. Connect 50Ω antenna
2	Channel seector switches. Set to open channel between 14 and 69.
3	Power On/Off switch. Proper power is reaching the unit when lit.
4	Green LED confirms the Modulus is transmitting correctly.
5	Blue LED confirms an HD video input signal. Will not light with composite video.
6	Power In connector. Accepts 9 to 36 volts. Composite video (NTSC or PAL only, no HD) may also be input on pin 2.**
7	Selects NTSC or PAL system for analog output.
8	Set for video input format ratio - 16:9 or 4:3.
9	Select output display aspect type when input is 16:9.
10	Hi-Def input connector. Accepts HD-SDI or SD-SDI.**
11	Pass-through Hi-Def output connector.
12	BNC-F, composite analog video input, either NTSC or PAL.**
	**Input only 1 video signal at a time. HD in BNC (#10) only

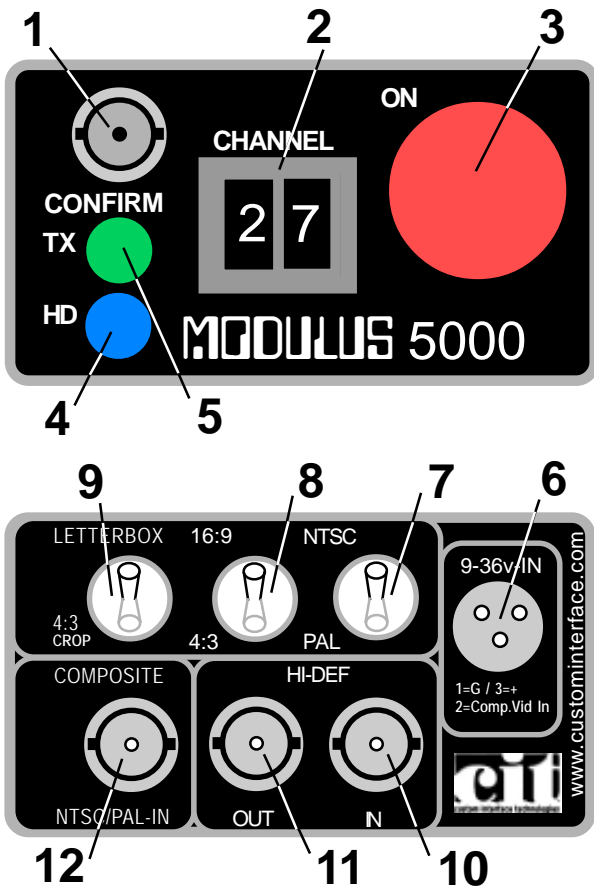
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MODULUS 5000



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MODULUS 5000

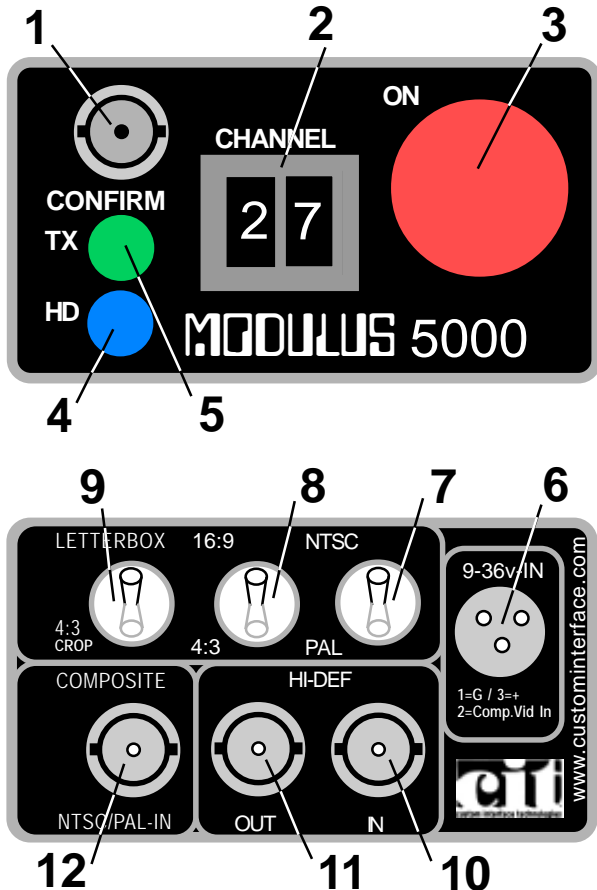
Specifications and Wiring

Operating Instructions

ELECTRICAL AND MECHANICAL*			
Channels	14-69 (UHF 470 to 810MHz)		
Video Inputs Hi-Def Composite	HD-SDI, 3G, SD-SDI, @10bits NTSC or PAL, 1V p-p @ 75Ω		
Power In	9-36 Vdc @ 500mA nominal		
Dimensions	1.7 x 4.7 x 3" (43x120x78mm)		
Weight	18oz (510g)		
Mounting	2 ea. 1/4-20, 1.87" (46mm) on center		
CABLE CONNECTOR WIRING CHART			
Function Connector	Pin 1	Pin 2	Pin 3
Power/Comp In FGG.0B.303.CLADxx	Ground	NTSC/PAL-In	+9-36vdc
Hi-Def In 75Ω BNC Male	Shell=G	Pin=+	X
Hi-Def Out 75Ω BNC Male	Shell=G	Pin=+	X
Comp Vid. In 75Ω BNC Male	Shell=G	Pin=+	X

*specifications are subject to change without notice

- 1) Turn on your Receiver/Monitor and search for an open channel with no image, audio or digital noise. Turn the receiver off.
- 2) Set Channel Selector Dials "B" to the open channel you just identified.
- 3) Attach the transmit antenna to output BNC "A". For distances less than 100', or reflective interiors, attach an attenuator first to reduce the output power. The lower the output, the less multipath interference.
- 4) Connect power cable to connector "F".
- 5) Connect video: For HD, connect to BNC "J". For Composite video, connect to BNC "L" or combine with the power cable in connector "F".
- 6) Set Format switches "G,H,I" per chart on page 2.
- 7) Turn on Power Switch "C". Lighted switch indicates power is reaching the Modulus.
- 8) Green LED indicates the Modulus is transmitting properly, but does not confirm proper video input.
- 9) The Blue LED indicates the Modulus is receiving an HD video signal. This will not light with a composite video input.
- 10) Mount the Modulus as high as possible, with the antenna vertical and unobstructed by dense objects such as metal or flesh.



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2	Channel selector switches. Set to open channel between 14 and 69.
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