
TX 2-4U COMBINER-SPLITTER



CONTACT US

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QUICK START GUIDE

SPECIFICATIONS

Operating Frequency Range	470-698 MHz
Number of RF Inputs	2
Number of RF Outputs	4
Nominal Input & Output Impedance	50 Ohms
Input Power Range per Channel	20-250mW
Selectable Output Power per Channel	1mW, 50mW, 100mW, 250mW
In-Channel Intermodulation Products	Better than -35 dB (typical)
Channel-to-Channel Intermodulation Products	Better than -60 dB (typical)
All Harmonic Levels (Exceeds FCC Part 74 & Part 15 Requirements)	Better than -40 dB
Antenna VSWR Indicator Threshold	Greater than 2:1
Operating Temperature Range	-20 to +55°C
AC Line Operating Voltage & Frequency	90-260 VAC 47-63 Hz
Power Consumption	<125 Watts
Dimensions	19" W x 1U H x 12 ¾" D
RF Connections	BNC



INITIAL SETUP

- 1) Connect the IEC power cord to the external power supply.
- 2) Connect the power supply cord to the back of the combiner.
The power supply input range is auto-ranging from 90 VAC - 260 VAC.
- 3) Connect the antennas to the desired output jack(s).
- 4) Terminate unused outputs.
- 5) Connect two transmitters to inputs before powering on.
- 6) Set unused outputs to the **FIBER** setting.
- 7) Turn the front panel power switch to **ON**.
Combiner lights will initially cycle from RED to YELLOW as a self-test.
- 8) Set the power levels to desired output:
FIBER (1mW), 50mW, 100mW, or MAX (250mW).

INDICATOR LIGHTS

POWER LIGHT

- GREEN: Combiner is powered ON.
- No Light: Combiner is OFF.

ANTENNA STATUS LIGHTS

- GREEN: SWR optimal.
Antenna and cable are OK. SWR sensor does not operate in FIBER setting.
- YELLOW: SWR greater than 2:1.
Marginal antenna operation.
- RED: SWR High, greater than 3:1.
Indicates bad antenna and/or bad cable.

INPUT INDICATOR LIGHTS

- YELLOW: No power detected at input.
- GREEN: Input power detected. System operating correctly.
- RED: Channel amplifier fail.