



The **CSI16** is a **passive, wideband combiner** designed to work with Wisycom and third-party IEM/IFB transmitters. Its special design **communicates with the MTK952(N) Transmitter** via the coaxial inputs to automatically compensate for combiner loss by increasing power from the TX side! (up to 3W per input)  
*Note: This is not an RF amplifier. When using with third-party transmitters, this device functions strictly as a passive combiner.*

### MAIN FEATURES

- 16 Input Combiner – select 4, 2, or 1 output(s)
- 3 position, Front Panel I/O selector enables [16:1], 2x [8:1] or 4x [4:1]
- Wideband operation (470-800MHz)
- Use with MKT952(N) to automatically recover combiner loss
- Accepts up to 3W per input
- Use in conjunction with the CSA121T Combiner to recover up to 15dB of loss (16:1 configuration)



**Combiner Loss Recovery from MTK952** connected to CSI16T The MTK952 raises power relative to the loss maintaining the limit on output port (country based).  
 Approximate combiner loss:

- 6 dB for 4x [4:1]
- 9 dB for 2x [8:1]
- 12dB for [16:1]

### Example:

Combiner 2x [8:1] configuration with high power transmitters: Country power limit:10mW  
 By enabling external compensation on MTK952 units, the transmitters raise output power by 9dB to reach the 10mW maximum country power limit at the CSI16T output.



### TECH SPECS

<b>Input Connectors:</b>	16 BNC-F, 50 Ω of impedance
<b>Output Connectors:</b>	6 N-F, 50 Ω of impedance
<b>Max input power:</b>	3W (for each input connector)
<b>Bandwidth:</b>	470 ÷ 800MHz
<b>Case:</b>	Aluminum, black varnish
<b>Power supply:</b>	AC connector 90±264Vac /47±63Hz, (fuse protected) T2A-50W max DC connector 10± 28 VDC



Subject to change without notice