

# Connect Modems



Cellular wireless data connections like 3G and 4G LTE have redefined the way remote broadcasts are done. In particular, USB cellular modems make connecting to these networks fast and simple. But many of the off-the-shelf modems offered by the wireless carriers are not designed to meet the rigorous demands of the 24/7 news cycle. The solution? Comrex Connect Modems.

The Comrex Connect Modem is designed to support the unique needs of remote broadcasters. A high-powered, industrial strength 4G LTE modem, the Connect Modem is also 3G\* compatible. Outfitted with a high-gain antenna, the Connect Modem is more powerful than most USB data modems available on the market, to handle the heavy data load of a broadcast over IP.

*\*Verizon network does not support 3G services*

## Features

- Industrial strength; designed for broadcast
- High gain antenna
- Unlocked, carrier approved, PTCRB certified
- Available for most Comrex IP audio codecs and Comrex LiveShot video codecs



Single modem

## For audio codecs

The Comrex Connect modem is available in three varieties:

- US (for use with Verizon or AT&T networks)\*
- International (for use outside the United States)
- CJ (for use in China, Japan, Taiwan, Korea, and Brazil)

*\*FW 4.5p6 or higher is required to use the US modem.*

Connect Modems for audio codecs are compatible with all Comrex ACCESS\* IP audio codecs (except ACCESS Portable Classic). When used in HotSwap mode, a Connect Modem can be utilized with BRIC-Link II as a backup network.



ACCESS NX with modem

*\*Some ACCESS 2USB units with serial numbers between 5000 and 6200 may require a hardware upgrade to be compatible with Comrex Connect Modems. For information about your unit, contact us. Please have the serial number or MAC address of your ACCESS 2USB unit readily available.*

## Leverage dual modems

Leverage the power of two Comrex Connect Modems with your ACCESS codecs for twice the reliability. CrossLock technology, our sophisticated custom reliability layer, bonds the available cellular networks and sends a single media stream, along with background and error correction information, resulting in a higher level of reliability for remotes.



Dual modem

## Mounting brackets

There are four custom hardware bracket mounts available to securely attach Comrex Connect Modems to ACCESS NX Portable or 2USB Portable. Two are designed for use with the ACCESS NX Portable chassis and two are designed for use with ACCESS 2USB Portable.

The bracket mount options for ACCESS NX Portable are a Single Bracket with one pouch to accommodate one modem or a Dual Bracket with two pouches to accommodate two modems.

The bracket mount options for ACCESS 2USB Portable are a Standard Bracket with one pouch to accommodate one modem or an EXT Bracket with pouch to add a second modem. Both are designed to attach to the back of the ACCESS 2USB. Both are required to use two modems.

Studio units (ACCESS Rack, ACCESS NX Rack, ACCESS MultiRack, and BRIC-Link II) don't require any mounting hardware - simply plug your modem into the USB port.

## For Comrex LiveShot

The Connect Modem for LiveShot comes in three varieties - Verizon, AT&T, and International (for use outside the United States). Connect modems are unlocked and have been carrier approved and PTCRB certified to meet all necessary regulations. LiveShot Portable supports up to two Comrex Connect Modems.

Please note: CJ (for use in China, Japan, Taiwan, Korea, and Brazil) is not available for LiveShot.



LiveShot with modem

Carrier	Compatible with
US  (Verizon and AT&T)	<p>When a Verizon SIM is inserted:</p> <p>4G LTE - Band 13 (700 MHz)</p> <p>4G XLTE - AWS1700 Band 4:</p> <p>When a AT&amp;T SIM is inserted:</p> <p>4G LTE - Band 2 (1900 MHz) Band 4 (AWS1700) Band 5 (850 MHz) Band 12 (700 MHz(a)) 700 MHz FirstNet (Band 14)-</p> <p>3G - Band 2 Band 5</p> <p>Uses full-size SIM card - smaller sizes can be accommodated with included SIM adapters</p>
International	<p>4G LTE Bands - 1 (2100 MHz), 2 (1900 MHz), 3 (1800 MHz), 4 (2100/1700 MHz), 5 (850 MHz), 7 (2600 MHz), 8 (900 MHz), 12 (700 MHz(a)), 13 (700 MHz(c)), 20 (800 MHz), 25 (1900 MHz), 26 (850 MHz), 29 (700 MHz), 30 (2300 MHz)</p> <p>4G LTE TDD Bands - 41 (2500 MHz)</p> <p>3G Bands - 1 (2100 MHz), 2 (1900 MHz), 3 (1800 MHz), 4 (2100/1700 MHz), 5 (850 MHz), 8 (900 MHz)</p> <p>Uses full-size and micro SIM cards. Modem includes adapter to accommodate nano SIM cards.</p>
CJ  Certified for use in China, Japan, Taiwan, Korea & Brazil	<p>4G LTE Bands: 1 (1900 MHz), 3 (1800 MHz), 5 (850MHz), 7 (2600MHz), 8 (900MHz), 18 (800 MHz), 19 (800 MHz), 21 (1500MHz), 28 (700 MHz)</p> <p>4G LTE TDD Bands: 38 (2600 MHz), 39 (1900 MHz), 40 (2300 MHz), 41 (2500 MHz)</p> <p>3G Bands - 1 (2100 MHz), 5 (850 MHz), 6 (800 MHz), 8 (900 MHz), 9 (1700 MHz), 19 (800 MHz)</p> <p>Uses full-size and micro SIM cards. Modem includes adapter to accommodate nano SIM cards.</p>



Contact us at [sales@comrex.com](mailto:sales@comrex.com) to learn more.

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