



**TACTICAL
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**TCI's LIBERATOR III
INTEGRATED TACP/JTAC COMMS SUITE (MICH / ACH)
ITJCS™ - "Multi-Comm - When Dual-Comm Capability Isn't Enough..."**

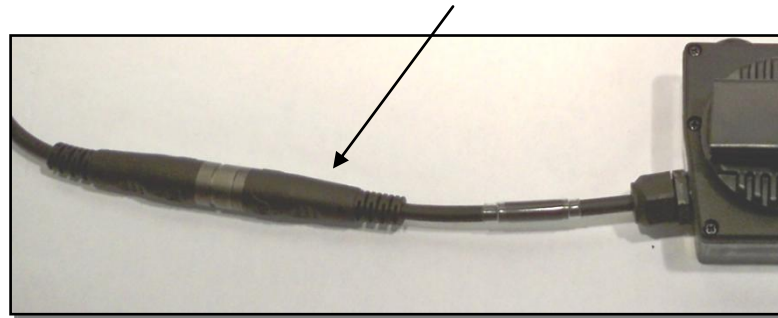


OVER THE HEAD (OTH) OR BEHIND THE
HEAD (BTH) HEADSET SUSPENSION
OPTIONS OFFERED!

Three configurations available to
meet your mission requirements:

- Liberator III™ ITJCS - Suite
- Liberator III™ ITJCS - Basic Suite
- Liberator III™ LITE Suite

Liberator III™ NOW available with AMC series connectors!



TCI's Modular Integrated Communications Headset (MICH) Suite, known as ITJCS™, is a modular and highly flexible "Multi-Comm" communication package allowing deployment of multiple radios.





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A combination of two to three contemporary or legacy portable radios, vehicle mounted radios, manpack radios and low-impedance MIL aviation ICS. The ITJCS kit also enables an operator to rapidly transition between additional radios using the convenient interface transition feature, which is free of crosstalk, and other audio issues present in other dual-comm systems.

What makes the ITJCS™ the leading communications solution? The answer is simple and was only possible when an experienced and progressive tactical headset company listened to the needs of today's warriors and worked intensively with extremely capable and forward-thinking military professionals. The convergence of TCI's strong tradition and capabilities and direct feedback from some of the finest warriors in existence, facilitated synergistic results – "The ITJCS™".

Specifically, the ITJCS™ was engineered by TCI with direct input from members of the U.S. Air Force TACP, JTAC, Special Forces and Special Operations communities. The package was designed and engineered exclusively by Tactical Command Industries, Inc. based upon current and emerging capability requirements associated with software defined digital radios and modern force multiplication practices.



The ITJCS™ provides optimal situational awareness for the operator by digitally replicating environmental sound, including the position, amplitude and heading of the source of the sound.

This provides a unique means of threat detection and acoustical identification that is simply not possible with analog systems. The ITJCS™ includes battle-proven and industry-leading TCI Liberator III digital electronic hearing protection supporting true "Multi-Comm" capabilities.



In our opinion, today's TACP/JTAC communities require capabilities beyond Single-Comm and Dual-Comm systems, which strongly support our opinion, that the ITJCS™ "Multi-Comm" solution is currently the best option available today.

The Liberator III tactical headset provides the most realistic and accurate replication of ambient sound and state of the art digital signal processing (DSP) to amplify low-level ambient sounds and compress hazardous sounds levels to approximately 82 dBa. With 360 degrees of auditory situational awareness support, the performance and capabilities of the Liberator III tactical headset



LEADERS IN



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surpasses many hearing protection products, which clip, gate or distort the user's perception of threat position and distance.

Another enhancement offered by TCI is the development of a highly effective radio frequency (RF) and electromagnetic (EM) shielding, another aspect unique to this TCI product. In addition to improving acoustical performance, TCI's shielding eliminates potential crosstalk, which could lead to retransmission of secure data/voice over a non-secure radio.

The capabilities of the ITJCS™ can be expanded based upon mission requirements to include a "Dual-Comm" Throat Microphone for HALO/O² Mask/Bio-Chem Mask applications or other mission-specific TCI Tactical Headsets.



(Liberator III™ ITJCS Components Depicted Above)

The current ITJCS™ (full suite) contains the following components: (Components subject to change as necessary)

1. TCI Liberator III™ Tactical Headset with Digital Hearing Protection – Multi-Comm Capable/Dual-Channel Model with High-Performance Cobra Noise-Canceling Microphone.
 - a. **More Info:** Designed for maximum communication and ambient sound replication and intelligibility using state of the art digital signal processing (DSP). Long battery life (600 operational hours) on two conventional AAA batteries, which are contained within a waterproof battery compartment, exceptional RF shielding protection and Cobra noise-canceling microphone are two of several key features.



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2. Integrated NVIS / NVG Compatible Microphone Mounted Lip Light with hardwired power supply. Does not require external batteries. (Per MIL-STD 3009)
 - a. **More Info:** *The MIL standard integrated, NVG compatible LED Lip Light enables periodic viewing of essential maps, radio displays and other critical information at close proximity during darkness without additional illumination. Highly efficient LED's are powered from the headset's battery compartment and have very little impact on the headset battery consumption. Integrated power and a toggle to select NVG Green, NVG White LED's or dark-ops (OFF) are included.*
3. TCI "U" PTT Assembly – Dual PTT/Dual-Channel/Multi-Comm Version with two In-Line hot-swap Interface Transitions.
 - a. **More Info:** *The Dual-Button functionality enables an operator to transmit using their primary or secondary radio with a push of the corresponding Push-To-Talk (PTT) Button. The interface transition feature enables an operator to rapidly transition between various radios by utilizing the TCI ITJCS™ cable associated with the application. The TCI "U" PTT Assembly consists of an environmentally sealed casing made of composition highly resistant to chemical or temperature exposure. Fittings, switches and grommets are chosen from the finest components available. RED/BLACK secure communications.*
4. (2) 14" Straight Urban MBITR Radio Interface Cables (also compatible with Harris RF Communications PRC-152 radios).
 - a. **More Info:** *Operators have requested the ITJCS™ include two Urban MBITR interface cables to facilitate the simultaneous use of two Urban MBITR radios. This cable assembly is compatible with a variety of contemporary and legacy PRC's. The cable length has been designated to provide a connection with radios typically worn on the lower torso area of common military assault vests.*
5. (1) Coiled PRC-117/PSC-5D/Manpack Radio Interface Cable (2'-6')
 - a. **More Info:** *Operators have requested the ITJCS™ include a single manpack radio interface cable, which is coiled to facilitate dismounting the manpack. This cable assembly is compatible with a variety of contemporary and legacy PRC's. The cable length has been designated to provide a connection with radios typically worn in a manpack configuration or located a short distance from the operator.*
6. (1) 14' Remote/Crew Chief Radio Interface Cable
 - a. **More Info:** *Operators have requested the ITJCS™ include one 14' Remote Radio Interface cable. This cable assembly is compatible with a variety of contemporary and legacy PRC's. The cable length has been designated to provide a connection with radios located some distance from the operator. This cable also enables an operator to seamlessly connect to a vehicle mounted radio for high-powered transmissions.*
7. TCI Liberator III™ to MIL/NATO Adapter
 - a. **More Info:** *Operators have requested the ITJCS™ include one MIL Aviation ICS Adapter to facilitate interfacing with low-impedance military aviation systems. The secondary function of the MIL Aviation Adapter is to enable an operator to use the ITJCS™ Liberator III™ Headset Single-Comm applications, such as when the operator desires to use a TCI Tactical PTT, from a previous headset, or other NATO Standard PTT.*



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8. TCI Liberator III™ “Y” Adapter
 - a. **More Info:** *The Liberator III™ “Y” Adapter enables an operator to share a radio with another operator without unnecessarily removing their headset, whereby minimizing vulnerability to potential battle-related hearing loss. Additionally, The Liberator III™ “Y” Adapter enables an operator to easily connect the TCI Modified H-250 Handset so the Liberator III™ ITJCS™ Headset and the TCI Modified H-250 Handset can share access to the same radio.*

9. TCI Modified H-250 Handset for JTAC Kit
 - a. **More Info:** *As stated above, the design and intent of the TCI Modified H-250 Handset so the Liberator III™ ITJCS™ Headset and the TCI Modified H-250 Handset to share access to the same radio simultaneously. In addition, an operator can connect one of the previously described radio interface cables to the TCI Modified H-250 Handset to enable communication on that radio without the use of the ITJCS Headset. This function provides the ability to simultaneously use a third radio as required.*

10. **OPTIONAL** TCI Modular Antenna System – Tactical (M.A.S.T.) Personal Antenna Remoting Kit consisting of two M.A.S.T. Cables and PALS/MOLLE compatible antenna harnesses.
 - a. **More Info:** *TCI’s M.A.S.T. package was designed to allow the antenna of small tactical radios, such as MBITR and PRC-152, to be moved from the top of the radio and securely worn in a tactically more advantageous location for operator comfort and increase in antenna efficiency. This translates into less obstruction for the operator and increased antenna performance. The M.A.S.T. is impedance matched for small tactical radios. In addition, the M.A.S.T. package for the ITJCS™ includes one 24” version-1 (hard mounted) M.A.S.T. Antenna Remoting cable and one 24” version-2 (quick disconnect) M.A.S.T. Antenna Remoting cable. Each M.A.S.T. cables include a Coyote colored adjustable antenna mounting harness and a Tactical Tailor, MALICE clip for PALS/MOLLE compatibility. Fielded by Rapid Equipping Force (REF).*

As you can see, the ITJCS™ is a very comprehensive and unique tactical communication suite, which offers true “Multi-Comm” capability. The electronic performance and capabilities, in our opinion, are unlike any other communication package available today. We expect to add even more capabilities as quickly as requires by the battle field.

With our willingness to work intensely with highly competent operators, our in house expertise and a strong tradition of excellence, we believe we can continue to be a viable resource to the military and, especially, the operator exposed to highly demanding combat conditions.

We truly appreciate the opportunity to serve the most capable and dedicated military organizations. At TCI, no day is taken for granted since we are mindful of the fact that the freedoms we experience are directly attributable to the on-going sacrifices of the men and women of the armed forces.

SEE NEXT PAGES 6 AND 7 FOR OPTIONS AND ADDITIONAL INFORMATION...



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PART NUMBER	DESCRIPTION
L3_ITJSC1.3.2B	<p>FULL ITJCS - TCI BTH INTEGRATED TACP/JTAC COMMUNICATION SUITE Ver. 1.3.2 – Includes:</p> <p>1 ea. - TCI Liberator III Tactical Headset v 1.3.2B with BTH-Behind-the-Head Suspension, TCI Digital Hearing Protection with DSP and Compression Technology OD Green Ear-Cups Left Side Flexible Boom with COBRA Noise-Canceling Microphone Integrated RF Shielding Components Dual-Comm/Dual-Channel Version Includes NVG Compatible/MIL-Approved ML-22T Microphone-Mounted LED Array with Integrated Power Connection and NVG White or NVG Green LED Selector with SAFETY OFF feature. TCI Headset Transport Bag 1 ea. - TCI Engineered Multi-Comm/Dual-Channel PTT Assembly with Dual/Color Coded PTT Button, RF/EMI Crosstalk Protection and Heavy-Duty Clothing Clip 2 ea. - TCI JTAC/TACP 14" Straight Urban MBITR/PRC-152 Radio Interface Cables 1 ea. - TCI JTAC/TACP PRC-117, Satcom, Manpack Coiled Radio Interface Cable 1 ea. - TCI JTAC/TACP 14 ft. Remote Radio Interface Extension Cable 1 ea. - TCI JTAC/TACP Communications Package NATO Adapter - 8" Designed to allow seamless conversion of Liberator II Headset for use with Low-Impedance MIL Aviation ICS and with TCI Single-Comm PTT's 1 ea. - TCI JTAC/TACP Communications Package "Y" Adapter - Enables Integration with TCI Handset for radio Sharing and Monitoring – Also enable one radio cable to be connected to Dual-Button PTT when a Single Radio is Used 1 ea. - TCI MIL-Handset for JTAC/TACP Communication Package for radio sharing and monitoring of an additional radio <i>OPTIONS: Black or OD Green Earcups; Left or Right Microphone Mounts; BTH Suspension or Standard Headband Suspension. Integrated Microphone Light Not Offers with Right Boom Mounts</i> <i>* Integrated Microphone Light Not Offers with Right Boom Mounts</i> RED/BLACK SECURE</p>
L3_BMSLT/LODB	<p>BASIC ITJCS - TCI BTH INTEGRATED TACP/JTAC COMMUNICATION SUITE Ver. 1.3.2 – Includes:</p> <p>1 ea. - TCI Liberator III Tactical Headset v 1.3.2B with BTH-Behind-the-Head Suspension, TCI Digital Hearing Protection with DSP and Compression Technology OD Green Ear-Cups Left Side Flexible Boom with COBRA Noise-Canceling Microphone Integrated RF Shielding Components Dual-Comm/Dual-Channel Version Includes NVG Compatible/MIL-Approved ML-22T Microphone-Mounted LED Array with Integrated Power Connection and NVG White or NVG Green LED Selector with SAFETY OFF feature. TCI Headset Transport Bag 1 ea. - TCI Engineered Multi-Comm/Dual-Channel PTT Assembly with Dual/Color Coded PTT Button, RF/EMI Crosstalk Protection and Heavy-Duty Clothing Clip 1 ea. - TCI JTAC/TACP 14" Straight Urban MBITR/PRC-152 Radio Interface Cables 1 ea. - TCI JTAC/TACP PRC-117, Satcom, Manpack Coiled Radio Interface Cable 1 ea. - TCI JTAC/TACP Communications Package NATO Adapter - 8" Designed to allow seamless conversion of Liberator II Headset for use with Low-Impedance MIL Aviation ICS and with TCI Single-Comm PTT's THE BASIC ITJCS IS COMPATIBLE WITH ALL ITJCS ACCESSORIES AND CABLES, WHICH CAN BE ORDERED SEPARATELY. <i>OPTIONS: Black or OD Green Earcups; Left or Right Microphone Mounts; BTH Suspension or Standard Headband Suspension. Integrated Microphone Light Not Offers with Right Boom Mounts</i> <i>* Integrated Microphone Light Not Offers with Right Boom Mounts</i> RED/BLACK SECURE</p>
L3_LTJTAC/LODB	<p>LITE ITJCS - TCI BTH INTEGRATED TACP/JTAC COMMUNICATION SUITE Ver. 1.3.2 – Includes:</p> <p>1 ea. - TCI Liberator III LITE Tactical Headset with BTH-Behind-the-Head Suspension, TCI Digital Hearing Protection with DSP and Compression Technology OD Green Ear-Cups Left Side Flexible Boom with 60080 Noise Canceling Microphone Integrated RF Shielding Components Dual-Comm/Dual-Channel Version TCI Headset Transport Bag 1 ea. - TCI Engineered Multi-Comm/Dual-Channel PTT Assembly with Dual/Color Coded PTT Button, RF/EMI Crosstalk Protection and Heavy-Duty Clothing Clip Radio Interface Cables are hardwired. PTT includes 2 ea. - TCI JTAC/TACP 17" Coiled Urban MBITR/PRC-152/Manpack Radio Interface Cables (Hardwired to PTT) THE LITE ITJCS DOES NOT INCLUDE THE COBRA NOISE CANCELLING MICROPHONE, INTEGRATED MICROPHONE LIGHT OR INTERFACE CABLE MODULARITY. IT IS NOT COMPATIBLE WITH FULL ITJCS OR BASIC ITJCS ACCESSORIES. <i>OPTIONS: Black or OD Green Earcups; Left or Right Microphone Mounts; BTH Suspension or Standard Headband Suspension; optional COBRA Noise-Canceling Microphone with or without Integrated Microphone Light*.</i> <i>* Integrated Microphone Light Not Offers with Right Boom Mounts</i> RED/BLACK SECURE</p>



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FEATURES, ACCESSORIES AND OPTIONS:			
OPTION:	ITJCS	BASIC	LITE
OD Green Earcups	STD	STD	STD
Black Earcups	Optional	Optional	Optional
Left Boom Mount	STD	STD	STD
Right Boom Mount	Optional	Optional	Optional
RED/BLACK Secure	STD	STD	STD
BTH Behind-the-Head Suspension	STD	STD	STD
OTH Standard Headband	Optional	Optional	Optional
COBRA Noise-Canceling Microphone	STD	STD	Optional
60080 Microphone	N/A	N/A	STD
Integrated Microphone Light (NVG Compatible) – [Left Boom Mounts Only]	STD	STD	Optional
Liberator III Series RED/BLACK Secure Dual-Button Press-to-Talk	INCLUDED	INCLUDED	INCLUDED
Radio Cable Disconnect Feature with Hot Swap Capability	INCLUDED	INCLUDED	Optional
(2 ea.) 14" MBITR/FALCON II (PRC-152) Radio Cables	INCLUDED	INCLUDED	Optional
(2 ea.) 17" Coiled Legacy Radio Cables	N/A	N/A	STD
(1 ea.) 24" Coiled SATCOM Radio Cable	INCLUDED	INCLUDED	Optional
(1 ea.) 14 Ft. Remote Crew Chief Radio Cable	INCLUDED	Optional	N/A
(1 ea.) TCI H-250 Handset (Modified)	INCLUDED	Optional	N/A
(1 ea.) TCI ITJCS "Y" Interface Splitter	INCLUDED	Optional	N/A
(1 ea.) TCI ITJCS NATO Adapter	INCLUDED	INCLUDED	N/A
(1 ea.) 17" Coiled Motorola XTS Series Cable	Optional	Optional	Optional
(1 ea.) 17" Coiled Motorola APX7000/TRBO Series Cable	Optional	Optional	Optional
(1 ea.) ITJCS Selex H4855/PRR Cable	Compatible	Compatible	N/A
(1 ea.) ITJCS Low Impedance Aviation ICS Cable	Compatible	Compatible	N/A
TCI Single-Comm PTT for Liberator III	Compatible	Compatible	Compatible
TCI TTMK-III Dual-Comm Throat Microphone	Compatible	Compatible	Compatible
TCI Patrol II Dual-Comm Headset	Compatible	Compatible	Compatible
TCI ITJCS VIC-3 ICS Control	Compatible	Compatible	Compatible
Liberator III OpCore FAST Helmet Attachment Kit	In Develop.	In Develop.	In Develop.
Dual Radio Wireless PTT Option	In Develop.	In Develop.	In Develop.
TABC-II Dual-Comm Bone Conduction Headset	Compatible	Compatible	Compatible
TCI Modular Antenna System – Tactical (M.A.S.T.)	Optional	Optional	Optional
STD = A standard feature or option Optional = An optional feature or add-on Compatible = A compatible option that is not included in standard product configuration N/A = Not applicable to a given configuration In Develop. = A feature or accessory coming soon			