

For Internal Use Only
Not For Distribution



- **Frequency Agility** – The RadioCom™ BTR-800 wireless intercom system offers users the ultimate in frequency agility and UHF spectrum management.
 - ⇒ **RadioCom™ BTR-800** – Offers four 18 MHz operational UHF frequency bands with 72 MHz of UHF frequency spectrum available. Frequencies are accessible in 25 KHz increments totaling 2880 available frequencies.
 - ⇒ **Vega Q-700** – Offers one 30 MHz band with 1200 available frequency selections.
- **Factory Selected Intermodulation Free Frequency Groups** – There are many combinations of frequencies that will cause harmful interference due to Intermodulation. You need a system that has compatible frequency schemes calculated for you.
 - ⇒ **RadioCom™ BTR-800** – Offers 24 factory defined preset groups of Intermodulation Free frequency groups. You also have the option to store up to 12 frequency groups as you define them with usable memory on the BTR-800 and TR-800. That means you have a total of 36 groups of frequencies that are available for use.
 - ⇒ **Vega Q-700** – Offers no preset groups of intermod free frequencies. You're left to fend for yourself.
- **Enhanced ClearScan™ Auto Frequency Selection** – ClearScan™ is easily activated and progress is easily monitored on the ClearScan™ progress screen. Results are then displayed and users have the option to accept, reject, or modify the results. This dynamic feature allows system frequency selection and setup in just minutes in a new or unknown venue regardless of where you are or who else has RF equipment on site.
 - ⇒ **RadioCom™ BTR-800** – YES! The BTR-800 has Enhanced ClearScan™ so you can find frequencies quickly.
 - ⇒ **Vega Q-700** – NO! No frequency scan feature is available.

- **Intelligent Power Control™ (IPC)** – Available only on the RadioCom™ BTR-800! This revolutionary technology intelligently monitors how far the TR-800 beltpack is from the base and automatically reduces the beltpack output power when it is close to the BTR-800 base station. That means that beltpacks that are close to the base station no longer de-sense the base receivers of the beltpacks that are far away. This is critical for maintaining proper system performance in real world environments. It also saves battery life for extended use.
 - ⇒ **RadioCom™ BTR-800** – YES! The BTR-800 has Intelligent Power Control™ for better system performance and improved operating range.
 - ⇒ **Vega Q-700** – NO! No other professional intercom system has IPC.

- **Auto-Sensing Headset Connector** – Some headset microphones are dynamic, others are electret requiring phantom power to run the mic. Dynamic mics have lower output levels and require different gain structures in the mic preamps. In the past, it was necessary to find the “hidden” switch and make the change whenever a new type of headset would be used.
 - ⇒ **RadioCom™ BTR-800** – Offers a unique auto-sensing technology that automatically makes the necessary changes to accommodate either Dynamic or Electret mics.
 - ⇒ **Vega Q-700** – Where is that switch?

- **Independent Visual Signal Indication for Each Beltpack** – This is critical when things are happening fast and you are under a lot of pressure to get the job done right. You need to be able to quickly tell the operational status and “who’s doing what” for each beltpack. You have to have the right information so that you can get the job done.
 - ⇒ **RadioCom™ BTR-800** – A control freak’s dream! The status and “who’s talking to who” of each beltpack is displayed on a bright clear LCD display that you can see from across the room. No mystical LED’s or unlabeled buttons to deal with, just real time information in a format you can easily understand.
 - ⇒ **Vega Q-700** – The front panel of the Q-700 is crowded and tough to read. It’s very difficult to tell what’s going on at any given time. There is no LCD that clearly lists all the information you need in one convenient location. This could cost precious time in an emergency situation.

- **Operating Range** – One of the biggest factors in choosing a wireless intercom system, is operational range. There are many factors that contribute to good range, Transmit (Tx) power, use of sub-carriers, Receive (Rx) sensitivity, antenna type and others. The key is to not put too much weight on any one specification, but to look at the big picture and most importantly, real results. In an independent side-by-side test, the RadioCom™ BTR-800 achieved operational ranges of 1.5 to 2 times greater than the Vega Q-700. Remember sub-carriers reduce the effective range of a system by 3 to 6 dB or more. That means you lose precious range with the Vega sub-carrier system. The RadioCom™ BTR-800 does not use sub-carriers and has much better Tx/Rx isolation that provides superior performance at extended range.

- **Simple User Interface with LCD Display** – With all those great frequencies to choose from you'll want a wireless intercom system that lets you get at, and change them easily when you need to.
 - ⇒ **RadioCom™ BTR-800** – Offers an extremely powerful, yet simple to use graphical user interface that easily allows users to change frequencies, change operational parameters, individually program belt packs separate from the base, scan for clear spectrum and much, much more. Changes of virtually any setting can be made via the push of a couple of buttons.
 - ⇒ **Vega Q700** – Requires a computer for much of its programming. Belt packs must be connected to the base via a special cable for any change to be made. Frequencies must be calculated from codes using special offset formulas. There is no way to know what frequency a belt pack is operating on just by looking at it. It must be hooked to the base and checked via a mandatory computer.

- **Full Duplex Talk/Listen Station at the Base Station** – It is often of the greatest importance to be able to communicate with the wireless belt packs from the base when you are setting up or troubleshooting. Also, having a full talk/listen station at the base gives you another point of access to the hardwired intercom system without buying another master or user station.
 - ⇒ **RadioCom™ BTR-800** – Offers a complete talk and listen headset station at the base for complete full duplex communication with or without an external hardwired intercom system.
 - ⇒ **Vega Q-700** – Offers a monitor only ¼" jack. That means that you cannot communicate with any of the wireless belt packs from the base. You can ONLY listen!

- **Simultaneous 2-wire and 4-wire Operation** – In today's changing worlds it is best to keep as many possibilities open as you can. Both 2-wire and 4-wire hardwired intercom systems are prevalent in different industries today. Being able to interface with either is key.
 - ⇒ **RadioCom™ BTR-800** – Allows easy selection between 2-wire and 4-wire intercom systems. Any combination of 2-wire or 4-wire hardwired intercom systems can be used on either of the BTR-800's intercom ports. In the rare case where two different types (both 2-wire and 4-wire) of intercoms must be used on one intercom port, the Aux "IN" and Aux "OUT" connections make it a breeze.
 - ⇒ **Vega Q-700** – Though there have been claims to the contrary, the external intercom ports on the Q-700 do not handle both 2-wire and 4-wire intercoms simultaneously. This is a nulling nightmare for the Q-700 user and just never settles down to be stable.

- **Audio Quality** – When you have to listen to intercom all day, you want clean, crisp, low noise audio that will not leave you with a headache. You want the most natural sounding audio you can get so that you can do your job without losing your mind.
 - ⇒ **RadioCom™ BTR-800** – Offers the lowest noise and most natural sounding audio in the industry. There is not a trace of control signals or artifacts to distract you from your job.
 - ⇒ **Vega Q-700** – High levels of companding noise and digital control artifacts make listening a chore, especially during long events.

- **Individually Programmable Beltpacks** – The ability to change beltpack operational parameters and button functionality is critical. No other system offers the ease and convenience of beltpack programming than the RadioCom™ TR-800/TR-825.
 - ⇒ **RadioCom™ TR-800/TR-825** – Virtually all of the operating parameters and button functionality of the TR-800/TR-825 beltpack can be modified or changed on the fly. Using the 800's unique LCD based user interface, you can change, limit, or lock out what each button does, depending on who the user is.
 - ⇒ **Vega Q-700** – To change any operational parameter or button functionality, you **MUST** connect the beltpack to the base station via a special cable and utilize the mandatory computer to make a change.

- **Metal Beltpack** – Things get dropped and banged and generally abused. You need the rugged dependability of an all-metal beltpack.
 - ⇒ **RadioCom™** – Offers the rugged reliability of an all metal, cast magnesium beltpack. The beltpack is incredibly strong yet lightweight.
 - ⇒ **Vega Q-700** – Uses a plastic beltpack.

- **Price** – Features, Quality, Performance, Availability, Reliability and Price. All components that lead to the purchase of a superior performing and successful product.
 - ⇒ **RadioCom™ BTR-800** – There is no other wireless intercom in the world that gives you the performance for the price like the BTR-800 system.

BTR-800/TR-800 4-Pack System

BTR-800 Base Station	\$ 4,525
TR-800 Beltpack (\$ 1,415 ea) x4	\$ 5,660
	\$ 10,185

BTR-800/TR-825 4-Pack System

BTR-800 Base Station	\$ 4,525
TR-825 Beltpack (\$2,150 ea) x4	\$ 8,600
	\$ 13,125

⇒ **Vega Q-700 – Vega Q-700 4 pack system \$ 13,080**

- **Availability** – Now for the intangibles. There are hundreds RadioCom™ BTR-800 systems in the field with Television Networks, Rental Houses, Touring Productions and many more. The BTR-800 system has been tested under fire in live show environments now for over 2 years. It sounds like a short time, but during that period the RadioCom™ BTR-800 has been put to the test in thousands of real world applications just like yours. It works. It's tough. And it's living up to the needs of communications professionals around the world.

The Vega Q-700, on the other hand, has NEVER emerged as a viable product. Very few systems have actually EVER been delivered and used in the field. And frankly, when you compare the Quality, Performance, Availability, Reliability and Price between the RadioCom™ BTR-800 and the Vega Q-700, there is only one decision to make...

“Do I want my RadioCom™ system shipped AIR or GROUND?”.

RadioCom™ Wireless Intercom

wireless that works™