



### The most versatile wireless intercom ever!

Telex® will be launching the revolutionary new RadioCom™ BTR-800/TR-800 wireless intercom in Las Vegas at NAB (National Association of Broadcasters) tradeshow. This product directly addresses many market needs and offers cutting edge technology to communications professionals at the high to middle-high end of the market. This system is perfect for a wide range of applications and has an intuitive LCD based graphical user interface that lets even the uninitiated user get started right out of the box. With a system list price of \$ 9895 for one BTR-800 base station and four TR-800 wireless belt packs, this system is extremely competitive with existing fixed crystal wireless intercoms yet offers the tremendous power and flexibility of completely user controlled frequency agility. Check out the list of incredible standard features this wireless communications powerhouse packs.

#### Standard Features:

- 1) Fully UHF
  - a) Both the transmitters and the receivers operate in the UHF frequency band.
  - b) Some Existing products are split band VHF/UHF mixed devices that have not performed well in hostile RF conditions and have not been well accepted in the marketplace among RF savvy users.
- 2) Fully User Synthesized
  - a) The user can select any TX frequency within the 18MHz transmit operational bandwidth in 25KHz increments – that's 720 transmit frequencies to choose from for each of two transmitters!
  - b) The user can select any RX frequency within the 18MHz receive operational bandwidth in 25KHz increments – that's 720 receive frequencies to choose from for each of four receivers!

- 3) Enhanced ClearScan™
  - a) Both the base station and the beltacks can scan for clear frequencies and tell the user which RF channels to set the system up on.
  - b) This is an advanced form of our existing ClearScan technology. It actually looks at all of the available frequencies in the pre-intermoded groups and ranks them so that the user knows the best frequencies to use.
  - c) A user can walk into a new venue in a new city and have a clear set of frequencies in less than a minute with the push of a couple of buttons!
- 4) Two Intercom Channels
  - a) Each beltack can access two separate and distinct intercom channels, one at a time, which can be fed to the base station in 2-wire or 4-wire form. All beltacks share access to the same two intercom channels and any combination of beltacks can utilize either channel at any time.
  - b) Each intercom channel can be selected as either 2-wire or 4-wire. Selection is made via convenient front panel buttons with LED indicators for each for each channel.
  - c) The intercom 2-wire interfaces are completely AudioCom®, RTS™ and Clear-Com® compatible. No external interfaces necessary!
- 5) Wireless Talk Around (ISO)
  - a) The WTA (wireless talk around) button (sometimes called ISO in broadcast) on the beltack lifts the user's audio off of the intercom bus and routes it to the other wireless beltacks on his channel for a "private" conversation.
- 6) Stage Announce with Relay Closure
  - a) The Stage Announce button routes the user's audio to a line level +8dB output on the back of the base station and triggers a relay closure for as long as the button is depressed.
  - b) This is a super feature that can allow a user to activate a two-way radio, greenroom speakers or a GPI input on a matrix intercom system.
- 7) LCD Displays
  - a) Both the base station and the beltacks have LCD displays that allow the user to easily and quickly make changes to the operating parameters of the system.
  - b) This user interface is extremely intuitive and marks a substantial improvement in system usability over any other wireless intercom model.
- 8) "Fifth Person" Talk/Listen Station at Base
  - a) The base station has a standard 4-Pin XLR headset connection (reverse sex for RTS versions) that allows a fifth user to talk and listen (just like another beltack) on intercom channel A or B or Both.
- 9) Intelligent Transmitter Power
  - a) The base station has two individual transmitters (one for each intercom channel - they share a common antenna) that each put out 100mW of power.
  - b) Each beltack has one transmitter that normally puts out 50mW of power.

- c) Intelligent Power? Yes! The beltpack senses when it is close to the base station and intelligently reduces it's output to 10mW. This effectively eliminates the "near – far" desensing problem experienced in other wireless intercoms.

10) Numerous Beltpacks in Simultaneous Operation

- a) With the current system architecture, any user using the preintermoded groups can operate two base stations with up to eight beltpacks in any one operational band. Many more base stations and beltpacks can be coordinated by more RF savvy users (and rental houses) for high end RF venues.
- b) Once the second band is available (Sept-01, see chart below) any user will be able to utilize 16 beltpacks in one location (2 base stations and 8 beltpacks per band) and power users will be able to use many, many more.

11) Cast Magnesium Beltpack

- a) The beltpack is an extremely light, strong and durable cast magnesium. That's the metal "Mag" wheels are made from! Metal, not plastic!

12) Detachable Beltpack Antennas

- a) The beltpack has detachable antennas. This is great for shipping and storing. It is also a big plus if there is a service issue. The user can just buy new antennas rather than having to send the whole beltpack in for repair.
- b) The antennas utilize a stud-type connector that does not have a fragile center pin to break off or bend.

13) Price!!

- a) We are less expensive than the competition. Much Less!
- b) This is a big bonus for virtually any user, but it is critical to rental houses that can substantially increase their ROI (Return On Investment) with lower initial cost capital outlays.

Model	List
BTR-800	\$ 4,395
TR-800	\$ 1,375
BTR/TR800 x 4	\$ 9,895

**Frequency Bands and Frequency Coordination:**

The 800 will ship with 24 Pre-Programmed groups of intermod free frequencies so virtually any user can get started right out right out of the box. More RF savvy users will also be able to save their own favorite frequency sets in easy to use User-Defined groups. These frequency groups, in conjunction with our revolutionary new Enhanced ClearScan technology offers users the most powerful, yet simple way, to select clear frequencies regardless of location or venue.

The system will be sold in TX bands and RX bands (referenced as they relate to the base station). The chart below shows the bands that will be available first. The first two sets of frequencies will be A2 and C6. The A2 band, as shown below, will have a base transmit range of 518 to 536 MHz and a base receive range of 632 to 650 MHz. The C6 band will have a base transmit range of 554 to 572 MHz and a base receive range of 704 to 722 MHz. In the first few months of shipment the 800 will only be offered in the C6 configuration.

## BTR 800 BANDS

Desig	TV	Start Freq	Use	Telex Band	End Freq	TV	Desig
<b>A</b>	<b>22</b>	518	<b>BTR TX</b>	<b>518</b>	524	<b>22</b>	<b>A</b>
	<b>23</b>	524	<b>Low</b>	<b>to</b>	530	<b>23</b>	
	<b>24</b>	530	<b>TR Rx</b>	<b>536</b>	536	<b>24</b>	
<b>B</b>	<b>25</b>	536	BTR TX	536	542	<b>25</b>	<b>B</b>
	<b>26</b>	542	<b>Future</b>	to	548	<b>26</b>	
	<b>27</b>	548	TR Rx	554	554	<b>27</b>	
<b>C</b>	<b>28</b>	554	<b>BTR TX</b>	<b>554</b>	560	<b>28</b>	<b>C</b>
	<b>29</b>	560	<b>High</b>	<b>to</b>	566	<b>29</b>	
	<b>30</b>	566	<b>TR Rx</b>	<b>572</b>	572	<b>30</b>	
<b>D</b>	<b>31</b>	572	BTR TX	572	578	<b>31</b>	<b>D</b>
	<b>32</b>	578	<b>Future</b>	to	584	<b>32</b>	
	<b>33</b>	584	TR Rx	590	590	<b>33</b>	
<b>E</b>	<b>34</b>	590	BTR TX	590	596	<b>34</b>	<b>E</b>
	<b>35</b>	596	<b>Future</b>	to	602	<b>35</b>	
	<b>36</b>	602	TR Rx	608	608	<b>36</b>	
	<b>37</b>	608	Radio Astronomy		614	<b>37</b>	
<b>1</b>	<b>38</b>	614	TR TX	614	620	<b>38</b>	<b>1</b>
	<b>39</b>	620	<b>Future</b>	to	626	<b>39</b>	
	<b>40</b>	626	BTR RX	632	632	<b>40</b>	
<b>2</b>	<b>41</b>	632	<b>TR TX</b>	<b>632</b>	638	<b>41</b>	<b>2</b>
	<b>42</b>	638	<b>Low</b>	<b>to</b>	644	<b>42</b>	
	<b>43</b>	644	<b>BTR RX</b>	<b>650</b>	650	<b>43</b>	
<b>3</b>	<b>44</b>	650	TR TX	650	656	<b>44</b>	<b>3</b>
	<b>45</b>	656	<b>Future</b>	to	662	<b>45</b>	
	<b>46</b>	662	BTR RX	668	668	<b>46</b>	
<b>4</b>	<b>47</b>	668	TR TX	668	674	<b>47</b>	<b>4</b>
	<b>48</b>	674	<b>Future</b>	to	680	<b>48</b>	
	<b>49</b>	680	BTR RX	686	686	<b>49</b>	
<b>5</b>	<b>50</b>	686	TR TX	686	692	<b>50</b>	<b>5</b>
	<b>51</b>	692	<b>Future</b>	to	698	<b>51</b>	
	<b>52</b>	698	BTR RX	704	704	<b>52</b>	
<b>6</b>	<b>53</b>	704	<b>TR TX</b>	<b>704</b>	710	<b>53</b>	<b>6</b>
	<b>54</b>	710	<b>High</b>	<b>to</b>	716	<b>54</b>	
	<b>55</b>	716	<b>BTR RX</b>	<b>722</b>	722	<b>55</b>	
<b>7</b>	<b>56</b>	722	TR TX	722	728	<b>56</b>	<b>7</b>
	<b>57</b>	728	<b>Future</b>	to	734	<b>57</b>	
	<b>58</b>	734	BTR RX	734	740	<b>58</b>	

**Note - First Shipment BTR/TR-800 units will be C-6 frequency sets.**

**Note - BTR/TR-800 units on A-2 frequency sets will ship in Sept.**

**Availability:**

The best part about the BTR/TR-800 system is that it is real! Product will be shipping in quantity starting May first. All units produced at first will be C6 band. A2 band units will be available in September. Other bands will be available after that.

**Wrap-Up:**

The most versatile wireless intercom ever!

The new Telex® RadioCom™ BTR-800 UHF wireless intercom is truly different. The 800 offers a list of standard features that is unparalleled in the industry and will change the way wireless intercom is done forever. Features like UHF operation, two intercom channels, stage announce output with relay closure, wireless talk around (ISO), ClearScan™ frequency auto-selection, talk/listen headset station, and much, much more. Combine all of that with an easy-to-use graphical user interface and you got the most innovative, versatile wireless intercom ever made. But features aren't the only story. The BTR-800 wireless intercom is a serious performer. With technology leaps like Intelligent Power Control™ and DSP digital audio processing, this is one wireless intercom that sounds great, even at a great distance!

RadioCom, wireless that works!™

Please feel free to contact me directly with any questions or concerns you may have.

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