

DTR™ 620 Digital On-Site Two-Way Radio Q's & A's



FAQS

- Q. What are the key differences between analog and digital on-site business two-way radios?**
- A. Analog on-site radios offer only one-to-many group communications, while digital on-site radios are capable of one-to-one as well as one-to-many. Digital radios offer enhanced capabilities due to their ability to transmit and receive data as well as voice.
- Q. What does "ISM" stand for and what are the specific frequencies in the 900 MHz ISM Band?**
- A. "ISM" stands for Industrial, Scientific and Medical. The ISM band operates from 902-907 and 915-928 MHz.
- Q. What other products operate in the 900 MHz ISM band?**
- A. Other products that use the 900 MHz band include cordless phones, paging systems, security systems, wireless phones, and other data devices.
- Q. What does Frequency Hopping Spread Spectrum (FHSS) mean and what are the benefits of having it?**
- A. The DTR 620 radio uses a frequency hopping, spread spectrum protocol to provide protection from other products using the band. For enhanced security, FHSS has been added with 50 non-overlapping groups. Unlike analog radios, multiple group or private communications can occur simultaneously on the same channel.
- Q. Can my transmissions be picked up on a radio scanner that someone might purchase from an electronics store?**
- A. No, the DTR 620 radio utilizes digital frequency hopping, spread spectrum technology that does not allow eavesdropping from consumer electronics equipment.
- Q. How powerful is the DTR 620 radio?**
- A. DTR Series digital on-site radios deliver 1 watt of transmit power.
- Q. What does Digital One-to-One Calling mean?**
- A. Digital One-to-One Calling allows you to call and talk privately with a specific user's radio. A private-call recipient gets a private-call alert, either an audible or vibrating signal. Additionally, the recipient's radio displays the caller's ID.
- Q. What is the difference between a Public Group Call and a Private Group Call?**
- A. Public Group Calling allows all other DTR Series radios on the same channel and Group ID to hear communications, similar to analog radio operation. Private Group Calling enables you to program DTR 620 radios to communicate with specific sets of group members. The Caller ID feature displays group identification.
- Q. Does the radio have different alert tones for different types of calls?**
- A. All Group Calls use the same alert tone. By default, Private Calls use the same alert tone as Group Calls. However, when programming the contact list you can select a unique alert tone for a Private contact from a list of 12 tones.
- Q. Can I download my own alert tones into the radio?**
- A. No, the DTR 620 radio does not support downloadable alert tones. The radio is equipped with 12 alert tones that can be assigned to different entries in the contact list while in programming mode.
- Q. Can I send a Public or Private Group ID from my Contact List "over-the-air" to another radio?**
- A. Yes, any contact can be sent over-the-air to your private or group contacts from the Cloning Menu.
- Q. Can I create and store my own SMS messages? If so, how many?**
- A. Yes, the Mini Keyboard accessory can be used to add Quicknotes and modify the existing ones. The DTR 620 allows up to 25 stored messages.
- Q. How many characters can be sent in an SMS message to another radio?**
- A. Both stored messages and those entered in user mode using the Mini Keyboard are limited to 80 characters.
- Q. Do I get an acknowledgement that my text message has been received?**
- A. Yes, the DTR Series radio does provide acknowledgement that a text message has been received. If sending a text message to a group, transmission must be successful to at least one member.
- Q. How many characters can I use when naming a Group or Private ID?**
- A. Unit ID names may be up to 20 characters, but will be abbreviated to the first 10. They can be viewed in their entirety by accessing View while in the Contact List.
- Q. If I am using a DTR Series radio for my company (on-site) and the building next to me has a set as well, if we are on the same public group, can we hear each other?**
- A. If both sets of radios are set to the same Public Group ID, Channel, and within range they will communicate to each other.
- DTR Series radios ship pre-programmed with 5 Public Groups using Group ID's 1 – 5 on Channel 1. This can be changed to another of the 100 Group IDs and 7 Channels in order to provide non-overlapping communication groups or to minimize the chance of interference.
- Additionally, for even greater privacy, Private Groups can be created that require radios to have a unique 11-digit Group ID in order to receive transmissions.
- Q. Is a repeater available?**
- A. The in-building and multi-level range of the DTR Series platform is greater than a conventional 2 Watt radio, so a repeater is not available for this product line.
- Q. Is the Mini Keyboard accessory required to type Unit ID names in?**
- A. When a new private ID is added, the unit name defaults to the unit ID. When a new group is added, the group name defaults to "Public 6" or "Private 1," with the number incrementing as new items are added. In order to change the defaulted name (to "Security" or "Fred Smith") the mini keyboard is used.
- Q. When the Remote Disable feature is used to disable a radio, how is the disabled radio re-activated? Does it need to be returned to Motorola or my dealer for re-activation?**
- A. The radio can be re-enabled from another DTR 620 radio that has the disabled radio's Unit ID. The DTR 620 radio must have Manager Mode in order to view the Remote Disable feature in Advanced Settings.
- Q. How long do I have while swapping the battery before losing the current time and date?**
- A. The radio will retain time and date settings for up to 15 minutes. The Remote Time feature can be used to update radios on the same channel and Group ID.

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**Do you speak
digital?**