



Tera P1-R16 Wireless Long Range Paging System User Manual

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Tera P1-R16 Wireless Long Range Paging



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INSTRUCTIONS:

1. Place all the pagers in the charging slots to charge 20 minutes before setting them up.

2. Power up: Place all the pagers into the charging slots.

All the pagers will power up when the transmitter is connected to a power supply.

If the transmitter is shut off with the command, please unplug the charger and plug it back in to activate the transmitter.

3. Power off: Place all the pagers into the charging slots.

Enter 999 with the number pad and then press [CALL] button.

When the pagers are shut down, the LEDs on the pagers will turn off and the display will show 999 and keep flashing until the power supply is cutoff.

4. How to change pagers settings: Press [CALL] button and [DEL] button simultaneously, and the display reads F1. Enter 1, 2, 3 or 4 on the number pad to select an option, then press [CALL] button to change the settings in the option. If you have changed any settings, be sure to press [CALL] to save the changes. When everything is done, press [DEL] to exit the menu option mode and the display shows—.

4.1 Enter "1": **[F1]** Assign Transmitter ID

4.2 Enter "2": **[F2]** Assign Pager ID

4.3 Enter "3": **[F3]** Turn on/off Beeper

4.4 Enter "4": **[F4]** Adjust Alert Duration

5. Process: First, assign an ID to the transmitter by selecting F1 option; second, turn on/off the beeper with F3 option; next, select F4 option to adjust the Alert duration, lastly, assign an ID to the target pager.

Note:

1. If you don't need to change transmitter ID, turn on/off beeper, reduce/extend Alert duration, just ignore the options and select F2 to assign an ID to the pager being set up.
2. No matter how you configure a pager, you must select F2 option to assign an ID to the pager before exiting the menu option mode so that all the changes will work.
3. When a configuration is successful, the LEDs on the target pager will flash red. If the LEDs on the pager don't flash red after a configuration, it means that the programming is not valid.
4. For example: turn off the beeper of pager 1 and extend the Alert duration to 5 seconds.

Remove all the pagers from the charging slots except pager 1.

Press [CALL] button and [DEL] button simultaneously, and the display reads F1, enter 3 and press [CALL] button to change Beeper settings,

enter "000" to turn off the beeper and press [CALL] button to save the change; enter "4" and press [CALL] button to adjust Alert duration,

enter "005" and press [CALL] button to save the change; enter "2" and press [CALL] button to assign an ID to the pager, enter "001" and press [CALL] button to save the change, with the LEDs on the pager 1 flashing red, indicating the configuration is successful. Press [DEL] button to exit menu option mode.

Details about the options:

[F1] Transmitter ID

Press [CALL] and [DEL] at the same time and the display reads F1,

press [CALL], the display shows the current ID and keeps flashing.

Enter a number among 001 to 998 and press [CALL] to save it as the new transmitter ID.

Note:

1. Please do not change transmitter ID unless necessary.
If you change transmitter ID, you will have to re-configure all the pagers so that they can communicate with the transmitter.
2. Do not change transmitter ID to "000", "99".

[F2] Pager ID

To configure a pager, be sure to remove all the pagers from the charging slot, then have the desired pager seated in the charging slot, press [CALL] and [DEL] simultaneously, then press 2 and [CALL], with the display reading 001 and keeping flashing. Enter a number among 1 to 998 within 3s, press [CALL] to save the change.

At the same time, the LEDs on the pager flashes red, indicating the configuration is successful. You may follow the steps to configure all the pagers. Be sure to press [DEL] to exit menu option mode after all the changes are done.

Note:

1. Do not change pager ID to 99/999 as these are shut-off commands.
2. To change an ID number, just enter a new ID number.
3. Configure only one pager each time. If you place more than one pager in the charging slots, they all will share the same ID.

[F3] Beeper

Press [CALL] and [DEL] simultaneously, then press 3 and [CALL], the display reads "000" or "001" and keeps flashing. Enter "000" (Turn off beeper)/ "001" (Turn on beeper), press [CALL] to save the change.

[F4] Alert Duration

Press [CALL] and [DEL] simultaneously, then press 4 and [CALL], the display reads "001" and keeps flashing. Enter the desired duration (among 1s to 99s), press [CALL] to save the change.

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE

ATTENTION! Before using this radio, read this guide which contains important operating instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulations.

This radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. RF energy, which when used improperly, can cause biological damage. All Reteless radios are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of the radios. These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it.

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits: <http://www.who.int/en/>

Local Government Regulations

When radios are used as a consequence of employment, the Local Government Regulations requires users to be fully aware of and able to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Reteless

radio has a RF Exposure Product Label. Also, your Reteless user manual, or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

Radio License (if appropriate)

Governments keep the radios in classification, business radios operate on radio frequencies that are regulated by the local radio management departments (FCC, ISSED, OFCOM, ANFR, BFTK, Bundesnetzagentur ...).To transmit on these frequencies, you are required to have a license issued by them. The detailed classification and the use of your radios,

please contact the local government radio management departments.

Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Unauthorized modification and adjustment

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding requirements,

transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services.

Replacement of any transmitter component (crystal, semiconductor etc.) not authorized by the local government radio management departments equipment authorization for this radio could violate the rules.

FCC Requirements:

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference, and.
 - (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CE Requirements:

- Commerce Co.,Ltd declares that the radio equipment type is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU; the full text of the EU declaration of conformity is available at the following internet address: www.retekess.com.

• Disposal



The crossed-out wheeled-bin symbol on your product, literature or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not – dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.

IC Requirements:

Licence-exempt radio apparatus This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Information

- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared.
 - DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.
 - During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so.
 - The device complies with RF specifications when the device used at 5mm from your body. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.
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- DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

Avoid Choking Hazard

Small Parts. Not for children under 3 years.



Protect your hearing



WARNING Use the lowest volume necessary to do your job 

- Turn up the volume only if you are in noisy surroundings.
- Turn down the volume before adding headset or earpiece.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear • Use careful with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss

Note: Exposure to loud noises from any source for extended

periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.

Avoid Burns



WARNING • Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a minor burn can result. **!!i7.Jilmm1 Batteries (If appropriate)**

- When the conductive material such as jewelry, keys or chains touch exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse or other container with metal objects Long transmission
- When the transceiver is used for long transmissions, the radiator and chassis will become hot.

Safety Operation

Forbid

!!i7.Jilmm1

- Do not use charger outdoors or in moist environments, use only in dry locations/conditions.
- Do not disassemble the charger, that may result in risk of electrical shock or fire.
- Do not operate the charger if it has been broken or damaged in any way.
- Do not place a portable radio in the area over an air bag or in the air bag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the air bag inflates. To reduce risk
- Pull by the plug rather than the cord when disconnecting the charger.
- Unplug the charger from the AC outlet before attempting any maintenance or cleaning.
- Contact Reteless for assistance regarding repairs and service.
- The adapter shall be installed near the equipment and shall be easily accessible
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- Adapter shall be installed near the equipment and shall be easily accessible.
- The plug considered as disconnect device of adapter.
- The operating temperature of the EUT can't exceed the specified range.

Approved Accessories

- This radio meets the RF exposure guidelines when used with the Reteless accessories supplied or designated for the product. Use of other accessories may not ensure compliance with the RF exposure guidelines and may violate regulations.
- For a list of Reteless-approved accessories for your radio model, visit the following website:

<http://www.Reteless.com>

BASIC PARAMETERS

TRANSMITTER	
Dimension	23a•151•30mm
Material	ABS
Transmit Power	240mW
Frequency	433MHz
Power Supply	DC12V/1A
Launch Distance	>BOOM (in Open Area)
Support Receiver	998(16/SET)
IP Grade	IP32

RECEIVER	
Dimension	105•51•11mm
Material	ABS
Receiving Sensitivity	-114dB
LI-Polymer	3.7V/150mAh
Frequency	433MHz
Standby Time	=20 Hour
Support Receiver	Beep Flashing
IP Grade	IP32

customer support

Please do not hesitate to contact us if you have any questions.

Important Notice:

Please include your Order Number and Product Model Number in the email.

Official Customer Service

Email Address: cs@tera-innovation.com

Cell: +1 (909)-242-8669

Whatsapp: +1 (626)-438-1404

Follow us:

Instagram: Tera Innovation

Youtube: Tera Innovation

Twitter: Tera Innovation

Facebook: Tera Innovation

User manuals are available in Spanish, French, Italian and German, and can be downloaded from our website.

You may visit our official website via the link below or by scanning the given


QR code:

<https://www.tera-innovation.com>



Tera

Documents / Resources

	<p>Tera P1-R16 Wireless Long Range Paging System [pdf] User Manual P1-R16 Wireless Long Range Paging System, P1-R16, Wireless Long Range Paging System, Long Range Paging System, Range Paging System, Paging System</p>
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References

- [User Manual](#)