RETEKESS

Wireless Calling Receiver
User Manual
TD105

Wireless calling system

CONTENTS

RETEKESS TD105
Wireless Calling Receiver User Manual

Product Overview

Thank you for using our company's products, this product has a stable wireless calling function, can achieve multi-channel calls, up to 999 way. Widely used in various restaurants, cafes, restaurants, business clubs, conference rooms, baths, hotels, hotels, star hotels, KTV, nightclubs, foot bath, Internet bars, video entertainment, chess room, mahjong room, health club, The hospital, factory workshop, home, school, the supermarket, the prison, the shopping malls, the enterprise, the airport, the construction site and so on.
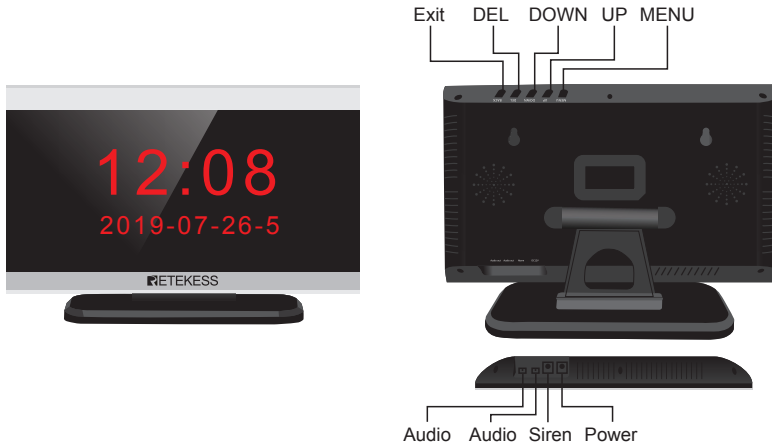
Function Highlight

• Personalized loud voice: 10KB / S high fidelity voice (girls) + Ding Dong ringtones;
• Ultra-high stability: use industrial-grade control kernel to ensure reliable operation of the system;
• Independent storage: remote control does not drop code, the data code not lost;
• Super error correction: if the system abnormally restart, the data is not lost;
• Wide range: support work partition mode, to meet the requirements of the use of multiple places;
• Unique address: host and pager address are unique; will not cover repeatedly;
• Easy to set up: every operation has a screen display and voice prompts, the system Settings is easy and intuitive;
• Adjustable: cycle display time is adjustable;
• Double display mode: fixed display and cycle display can be free to switch;
• CNC volume: 15 levels of digital volume adjustable;
• One-key to restore: the system can be one-key to restore, return to the default value;
• Fashion& convenient: fashionable appearance, easy to move, can be placed on wall or on the table;
• Cost-effective: Using advanced microcomputer processing technology and high sensitivity superheterodyne receiver technology;
• System self-test: each time start, it automatically run the initialization process, with intelligent boot self-test technology;

Technical Parameters

1. Operating voltage: host with 12V / 2A matched power supply
2. Operating frequency: 315MHz or 433.92MHz (default)
3. Sensitivity: better than -108dBm
4. Decoding method: learning code
5. Appearance size: 260×180×70 mm

Product Sketch

Exit DEL DOWN UP MENU

Audio Audio Siren Power

(1) [MENU] Short press to enter function Setting mode.
(2) [up] short press to achieve a single page up, long press to achieve continuous page up.
(3) [down] short press to achieve a single page down, long press to achieve continuous page down.
(4) [DEL] Short press to delete a single learned transmitter or manager.
(5) [Exit] In the Setting mode, short press to exit the Setting; in the learning mode, short press to exit the learning mode.
(6) [audio hole] external speakers, headphones and other audio equipment.
(7) [audio hole] external speakers, headphones and other audio equipment.
(8) [siren hole] external siren, for alarm use.
(9) [power hole] external DC12V DC power supply.

Key Description

(1) [MENU] Short press to enter function Setting mode.
(2) [up] short press to achieve a single page up, long press to achieve continuouspage up.
(3) [down] short press to achieve a single page down, long press to achieve continuous page down.
(4) [DEL] Short press to delete a single learned transmitter or manager.
(5) [Exit] In the Setting mode, short press to exit the Setting; in the learning mode, short press to exit the learning mode.
(6) [audio hole] external speakers, headphones and other audio equipment.
(7) [audio hole] external speakers, headphones and other audio equipment.
(8) [siren hole] external siren, for alarm use.
(9) [power hole] external DC12V DC power supply.

2. the host menu key Description:
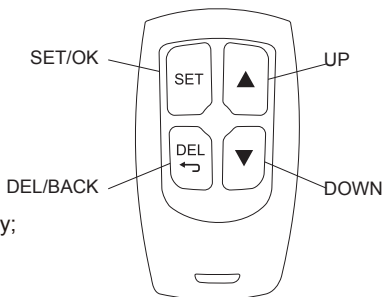The first-level menu "Fn-1" transmitter pairing
The first-level menu "Fn-2" pair manager controller
The first-level menu "Fn-3" delete manager controller
The first level menu "Fn-4" deletes the code data

The first level menu "Fn-5" voice mode Settings
The first level menu "Fn-6" key mode Settings
The first level menu "Fn-7" display cycled time Setting
The first level menu "Fn-8" auto clears time Setting
The first level menu "Fn-9" volume adjustment Setting
The first level menu "Fn10" working mode Setting
The first level menu "Fn11" restores factory default Setting
The first level menu "Fn12" order display Setting
The first level menu "Fn13" time Setting

SET   Long press for 2sec to enter settings
                 menu; short press to enter submenu.
DEL/BACK In calling status, delete the calling
                 records. In setting status, back to
                 previous menu or standby status.
UP   Short press to page up the number;
                 Long press to page up the number quickly;
                 Browse the previous calling records .
DOWN   Short press to page down the number;
                 Long press to page down the number quickly;
                 Browse the next calling records.

SET/OK   UP
DEL/BACK   DOWN

Host Operating Instructions

1. the boot self-test:, self-test program starts when the system power on , and with the "initialization,
   please wait" voice prompts,if no abnormality, self-test screen display time and date,means the host
   into normal working condition.
2. the function Setting operation:
   Before the host first time to learn, user need to delete all learned transmitters and managers by the
   hosts. Steps: the host into the normal working state, long press the DEL key for about 5 seconds,
   heard the DingDong sound prompt, that means all learned transmitters and managers by the hosts
   have been cleared, the other configuration will not be cleared.
   (1) First Level menu "Fn-6" key switch Setting:
       Short press［MENU］key to enter the first-level menu "Fn-1" and with "pairing" voice prompt,
       press［UP / DOWN］ to enter the level menu "Fn-6" with "key mode setting "Voice prompt,
       short press ［MENU］ key to display" --04 ", press ［UP / DOWN］ to display the desired key,
       select and press the Exit key to exit the Setting state. Remark: When selecting "--02" and "--04"
       key mode for "PT2240 1.5M transmitter" and selecting "--¬05" for "keypad transmit-ter". "--01"
       and - 03 "are temporarily unavailable.
   (2) First level menu "Fn10" Operation mode Setting: in partition mode, The host does not support
       the keyboard transmit-ter.Select "- 00" that means non-partition mode, you can learn 999
       ordinary transmitters. Select "- 01" that means partition mode A-F a total of 6 areas, you can
       learn 594 ordinary transmitter. select "--02" screen displays the suffix of the call number.
   (3) The first level menu "Fn-5" voice environment Settings:
        A) voice prompt " number X call", the screen displays "--01";
        B) voice prompt "× floor call", the screen displays "- 02";
        C) voice prompt " please X come in", the screen displays "- 03";
        D) voice prompt " please number X treat", the screen displays "--04";

E) voice prompts "please number X pick food", the screen displays "- 05";

F) voice prompt "please number X pick food ", the screen displays "--06";

G) voice prompt "ding dong beep", the screen displays "--07".

Short press ［MENU］ key to enter the first-level menu "Fn-1" and with "pairing" voice prompt, press ［UP / DOWN］ to enter the first level menu "Fn-5" with the voice mode setting prompt, short press ［MENU］ key to display "--01 ", press ［UP / DOWN］ to choose the voice environment, and then press the Exit key to exit the Setting state.

(4) First Level menu "Fn-1" Normal transmitter and keyboard transmitter code Setting.

A) ordinary "PT2240 1.5M transmitter non-zoning learning method: first, in the first-level menu "Fn-6" key to switch select "key 2 "or "key 4 ", in the first-level menu "Fn10 " Work mode select "- 00", short press ［MENU］ key to enter the first level menu "Fn-1" and with "pairing" voice prompts, and then short press the ［MENU］ key on the host to enter the learning state, The host screen displays "-001" and presses any key of the transmitter to display "-002" and with the voice prompt of "pairing successful, please continue", indicating that the transmitter No. 1 is successfully paired, the screen displays the learning number, , Show "-002", users can continue to learn other transmitters, the host can learn a total of 999 transmitters. After the completion of learning, press [exit] key on the host to exit the learning state. during Learning process, if you want to skip some numbers, please select ［Up / down］ to skip.

B) ordinary "PT2240 1.5M transmitter zoning learning method: first, in the first-level menu "Fn-6" key to switch select "key 2 "or "key 4", in the first-level menu "Fn10 " Work mode select "- 01", short press ［MENU］ key to enter the first level menu "Fn-1" and with "pairing" voice prompts, and then short press the ［MENU］ key on the host to select district,and press ［Up / down］ to choose number, if choose district C Number 12, The host screen displays "-C12" and presses any key of the transmitter to display "-C13" and with the voice prompt of "pairing successful, please continue", indicating that the transmitter is successfully coded, the screen displays the "-C13", users can continue to learn other transmitters, the host can learn a total of 594 transmitters. After the completion of learning, press ［exit］ key on the host to exit the learning state. during Learning process, if you want to skip some numbers, please select ［Up / down］ to skip.

C) the keyboard transmitter learning method: first in the first-level menu "Fn-6" key switch to select "key 5", short press ［MENU］ key to enter the first-level menu "Fn-1" and accompanied by "code" "voice prompts", then short press ［MENU］ key on the host to enter the learning state, the host screen displays "-001 ", press any key on the keyboard transmitter, display "-002 "and accompanied by "pairing successful, please continue" voice prompts, indicating that the No.1 keyboard transmitter's success of the code, the screen displays "-002 " users can continue to learn the other two keyboard trasnmitters, a total of three to learn. After the completion of learning press ［exit］ to exit the Setting state. (If you press the wrong key, please press the "*" key to cancel and reinput. If you press the "*" key twice, press any number, then press the bell key to transmit, the keyboard screen Revert to the last call number.)

(5) level menu "Fn-2" manager MENU the code

Short press ［MENU］ key to enter the first level menu "Fn-1" and accompanied

Press SET button to enter Cd4 submenu. The display will show 040, then press UP/DOWN by "pairing" voice prompt, press ［UP / DOWN］ to enter the first level menu "Fn-2" and accompanied by "Pair manager controller" prompt, short press ［MENU］ key to display "--01 "press any key of the transmitter, with "pairing successful, please continue" voice prompt, screen display "- 02 ", and so on, the host can learn 3 Manager, if you learn the fourth, then it will cover the first manager. After learning, press the host [Exit]key to exit the MENUup state. After learning the

manager, you can use the manager for remote control Settings,page up, page down and exit operation, the four key of the manager are of the same function with the corresponding key on the host.

(6) First Level menu "Fn-3" manager to delete Settings

Short press［MENU］key to enter the first level menu "Fn-1" and accompanied by "code" voice prompt, press［UP / DOWN］to enter the first level menu "Fn-3" and accompanied by "Manager delete" voice prompt, short press the［MENU］key to display "--01" press up or down button to select the manager number to be deleted "- 02 ", or "--03 ". After selecting then Short press ［Clear］There is a Dingdong voice prompt, indicating that the manager is deleted successfully. Press［EXIT］to exit the Setting state.

(7) First Level menu "Fn-4" Delete single code data (learned transmitter): Short press［MENU］key to enter the first level menu "Fn-1" and accompanied by "pairing" voice prompt, press the ［up / down］key to enter the first-level menu "Fn-4" and accompanied by "delete the code data" prompt, short press［MENU key］For example: the screen display "-001" Select［up / down］key to choose the transmitter number to be deleted, short press［Clear］key to hear a Dingdong voice prompt, indicating that the "code" data deleted successfully, press the host［Exit］key to exit the Setting state.

(8) First level menu "Fn-7", enter the cycled display time Setting

A) non-cycled display the call information: Press［MENU］key to enter the first level menu "Fn-1", press ［UP / DOWN］to enter the first level menu "Fn-7" with the "Display cycled time setting "Voice prompt, short press［MENU］key, the screen displays "--00 ", then press ［Exit］key, non- cycled display Settings succeed.

B) cycled display the call information:: Short press［Learn］key to enter the first level menu "Fn-1", press［UP / DOWN］to enter the first menu "Fn-7", accompanied by "cycled time display "voice prompt, short press the MENU key, page up to screen display any number among —to -999", ("- 01 to -999" is the cycle time interval. "- 00 to -" "- to" 999 "means the number of seconds). And then press the［Exit］key, the cycle display is MENU successfully.

(9) Level 1 menu "Fn-8", auto DEL time Setting

A) "non-automatically delete the call information: short press［MENU］key to enter the first level Setting" menu "Fn-1", press［UP / DOWN］to enter the first level menu "Fn-8" with "Auto Clear Time Voice prompt, short press［MENU］key, the screen displays "--00", then press［Exit］key, non-automatically delete the Setting is successful.

B) To delete the call information automatically: Press［MENU］key to enter the first level menu "Fn-1", press［UP / DOWN］to enter the first menu "Fn-8", accompanied by "Auto DEL Time Setting "Voice prompt, short press［MENU］key, the screen displays any number among —to -999" ("- 01 to 999" is the automatic deletion time. "- 00 to -999" means the number of seconds). And then press the［EXIT］key, the automatic deletion Setting is successful.

(10) first level menu "Fn-9", volume adjustment Setting

Press［MENU］key to enter the first-level menu "Fn-1", press ［UP / DOWN］to "Fn-9", accompanied by "volume " voice prompt, short press［MENU］key , screen display "--15", "--01" is the minimum volume, "- 15" is the maximum volume, press［UP / DOWN］to MENU the volume, short press the host［Exit］to exit the Setting state The

(11) First level menu "Fn-11" Restore factory Settings:

Press［MENU］key to enter the first menu "Fn-1", press［UP / DOWN］to "Fn11", short press ［MENU］key to display "-ALL" with a Dingdong sound prompt, the screen shows "Fn11" that means restore the factory Settings succeed. Press the［Exit］key to exit the MENU up state. after the host Restore the factory Settings, state is as follow:

A) all the code information of learned transmitters are all deleted;

B) all the code information of learned managers are all deleted;

C) The voice environment is MENU to "Number promp" mode;

D) key switch is MENU to "4 key mode";

E) cycled time is MENU to "non-cycled mode";

F) Auto DEL time is MENU to "Non-auto DEL time";

G) Volume adjustment is MENU to "15";

H) The operating mode is MENU to "Show suffix for call number".

L) display order is MENU to "Reverse order Setting"

J) time and the date doesn't change

(12) First Level menu "Fn-12": Display order Setting

Short press ［MENU］ key to enter the first level menu "Fn-1", press ［UP / DOWN］ to enter the first level menu "Fn12" and accompanied by "set order" voice prompt, press ［MENU key］, Select "- 00", means reverse order, select "- 01" that means positive sequence Settings,then short press the host ［Exit］ to exit the Setting state.

Common Problems and Solustion

Common malfunction	Common malfunction	Troubleshooting
Power on, the honst did not respond	Power supply failure	Replace the regulated power supply
The transmitter can not be remotely controlled	The transmitter is deleted	Re-code
Host volum is low when power on	Host Setting sound is small	Turn the host volume up
Manager can not be used	No code or been deleted	Re-code with the host
Some transmitter's distance is not enough	Baterry voltage si low	Replace the same type of battery
Other manufacturers' transmitters can not be learned	Parameter does not match	Replace the transmitter that matches the host

The Product List

Name	Quantity	Name	Quantity
Host	1	instructions	1
12V power supply	1	certificate	1

Warning

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE

ATTENTION!	Before using this radio, read this guide which contains important operating instructions for safe usage and RFenergy 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 Retekess 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 Retekess radio has a RF Exposure Product Label. Also, your Retekess 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, ISED, OFCOM, ANFR, BFTK, Bundes-netzagentur...).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:

• (Simple EU declaration of conformity) Henan Eshow Electronic 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.
- 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:

- 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

Antennas
- 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.

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
- 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 Retekess 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

⚠️ **WARNING**

• This radio meets the RF exposure guidelines when used with the Retekess 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 Retekess-approved accessories for your radio model, visit the following website: http://www.Retekess.com

EU Importer
Name：Germany Retevis Technology GmbH
Address：Uetzenacker 29,38176 wendeburg

Warranty Card

Product model: _____ Date of purchase: _____

Serial Number: _____

Seller: _____ contact number: _____

Username: _____ contact number: _____

Address: _____

Zip code : _____

Remarks:
1. This guarantee card should be kept by the user, no replacement if lost.
2. Most new products carry a two-year manufacturer's warranty from the date of purchase. Further details, pls read http://www.retevis.com/after-sale/
3. The user can get warranty and after-sales service as below:
   • Contact the seller where you buy.
   • Products Repaired by Our Local Repair Center
4. For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

Exclusions from Warranty Coverage:
1. To any product damaged by accident.
2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
3. If the serial number has been altered, defaced, or removed.

Cut along this line