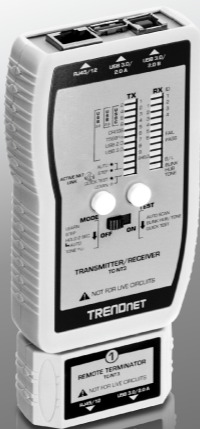


TRENDNET®

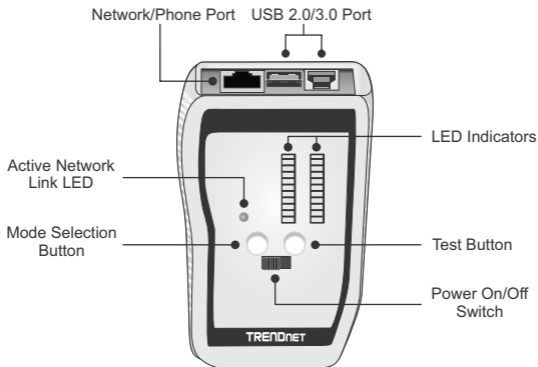


VDV & USB Cable Tester TC-NT3

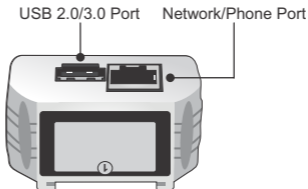
TC-NT3(V1) / 10.30.2014

Getting to know TC-NT3

Transmitter



Remote Terminator



How to Separate the Transmitter and Terminator

Slide the bottom of the TC-NT3 Remote Terminator towards the back of the TC-NT3 Transmitter.



Warning and Caution

1. This device is designed to be used on a cabling system without voltage. Do not connect the TC-NT3 to any live circuits, lines or outlets. Doing so may damage the TC-NT3 and equipment.
2. Disconnect cables from all electronic equipment with voltage before testing. Failure to do so may damage the TC-NT3.

Install / Replace the Battery (9V Alkaline battery is not included)

1. Change the battery if the Battery Low (B/L) LED is on.
2. Slide the battery cover off the TC-NT3 transmitter.
3. Connect and insert the battery.
4. Slide the battery cover back on to the TC-NT3 remote transmitter.

Network/Phone and USB Cable Test

1. Connect one end of a network, phone or USB cable to the Network / Phone (RJ45/12) or USB port on the Transmitter. Connect the other end of the network, phone or USB cable to the Remote Terminator.
2. Switch the power button to the **On** position; it will perform a Quick Test by default.

Quick Test Mode

Quick Test mode quickly identifies the type of cable. If a test cable pin out matches the pin out of a standard cable, the TC-NT3 Transmitter will indicate this by lighting up the corresponding LED. The default mode on TC-NT3 is set to Quick Test mode. You can also press the **Test** button 3 times to enter to Quick Test mode.

Note: Quick Test mode does not include shielded testing. If you would like to test a shielded cable, please use Auto/Step or Learn mode.

Learn Mode

Learn mode allows the TC-NT3 to memorize and test large quantities of custom shielded cables with any pin out or configuration. It displays PASS or FAIL.

1. Before using Learn mode, a known good cable is required.
2. Connect one end of a cable to the TC-NT3 Transmitter and the other end to the Remote Terminator.
3. Power on the TC-NT3. Press the **Mode** button one time or until the Learn mode LED is lit.
4. After the cable recording has completed, the **Pass** and **ID** LED will be lit. If the **Fail** LED has lit, Learn mode has failed. Please press the **Mode** button again to retest the cable until the **Pass** LED is lit.
5. If a new cable pin out is the same as the learned cable, the TC-NT3 will display the **Pass** and **ID** LED.
6. If a new cable pin out is different from the learned cable, the TC-NT3 will display the **Fail** and **ID** LED.
7. All stored pin outs in Learn mode will be erased after the TC-NT3 is power off.

Auto Scan Mode/Step Mode

Auto Scan mode is used to quickly test pin configurations. Step mode allows you to manually verify each pin one at a time.

1. Connect one end of a cable to the TC-NT3 Transmitter and the other end to the Remote Terminator.
2. Power on the TC-NT3 then press the Test button once. The AUTO/STEP LED will blink in to indicate Auto mode. The pin LEDs will indicate pin status.
3. To change to manual testing, press the **Mode** button once to enter Step mode. The **Auto/Step** LED becomes solid to indicate Step mode.
4. Press the **Mode** button again to move to the next pin to test.

Shield Testing

In Auto/Step mode, it will automatically test for shield integrity. If the shield LEDs (TX and RX) are lit, the cable is shielded. If the shield RX LED is off, the cable is not shielded or the shielding has failed.

Coaxial Cable Testing

Coaxial testing is available for Auto/Step and Learn Mode.

1. Use the included RJ45 to F female adapter to test coaxial cable.
2. The test results will show on pin 4 and pin 5. Pin 4 indicates the center pin and pin 5 indicates the shield.

Blink Hub/LINK/Tone Mode

Blink Hub mode is a quick way to identify if a network cable or outlet is connected to an active network such as a hub, switch or router. Do not test a cable connected to a live telephone system or AC/DC circuits (PoE injector/switch) in this mode. Doing so will damage the TC-NT3.

1. Power on the TC-NT3. Press the **Test** button 2 times to go into Blink Hub mode. The Blink Hub LED will blink to indicate it is in Blink Hub mode.
2. Connect a cable to the TC-NT3 transmitter. If you are testing a network wall outlet, connect to it by using the included patch cable.
3. The TC-NT3 transmitter will send a link pulse if an Ethernet link is active on the cable or outlet. The tester begins blinking and the LED on the corresponding port of the Hub or switch will also blink for easy identification.
4. If there is no active connection detected, the Active Link LED will be off.

Note: Hub Blink mode also generates a tone. Hub Blink mode can only be used on non-shielded cables. Shielded cables will cause a misread and activate the Active Link LED without an active connection.

Tone Tracing (Required TC-TP1, sold separately)

Trace a tone using the TC-TP1 to quickly isolate or locate a cable. When tracing a shielded cable, the Active Link LED will blink or light when using a **Hi** tone or remain solid in a **Lo** tone.

1. Power on the TC-NT3.
2. Press the **Test** button two times to enter Blink Hub/Tone Mode.
3. Connect a cable to TC-NT3 transmitter.
4. Use the TC-TP1 to locate and trace the tone (Please refer the TC-TP1 Quick Installation Guide for detailed usage).
5. Press the **Mode** button to select **Hi** or **Lo** tone.
6. Use the included RJ-45 to F adapter for tracking coaxial cables.

LED Status

Cable Type	Quick Test	Learn Mode	Cable LED Indicator
USB 3.0 Transmitter: type B Transmitter: type A	TX: 1 2 3 4 5 6 7 8 9 RX: 1 2 3 4 5 6 7 8 9	TX: 1 2 3 4 5 6 7 8 9 S RX: 1 2 3 4 5 6 7 8 9 S	USB 3.0
USB 3.0 Transmitter: type A Transmitter: type A	TX: 1 2 3 4 5 6 7 8 9 RX: 1 2 3 4 8 9 7 5 6	TX: 1 2 3 4 5 6 7 8 9 S RX: 1 2 3 4 8 9 7 5 6 S	USB 3.0
USB 2.0 Transmitter: type A Transmitter: type A	TX: 1 2 3 4 RX: 1 2 3 4	TX: 1 2 3 4 S RX: 1 2 3 4 S	USB 2.0
USB 2.0 Transmitter: type B Transmitter: type A	TX: 1 2 3 4 RX: 1 2 3 4	TX: 1 2 3 4 S RX: 1 2 3 4 S	USB 2.0
Crossover (PC to PC)	TX: 1 2 3 4 5 6 7 8 RX: 3 6 1 4 5 2 7 8		CROSS
UTP	TX: 1 2 3 4 5 6 7 8 RX: 1 2 3 4 5 6 7 8		T568 A/B
STP	TX: 1 2 3 4 5 6 7 8 RX: 1 2 3 4 5 6 7 8	TX: 1 2 3 4 5 6 7 8 S RX: 1 2 3 4 5 6 7 8 S	T568 A/B
USOC Straight Thru	TX: 1 2 3 4 5 6 7 8 RX: 1 2 3 4 5 6 7 8		T568 A/B
USOC 8 Reversed	TX: 1 2 3 4 5 6 7 8 RX: 8 7 6 5 4 3 2 1		USOC 8
USOC 6 Reversed	TX: 2 3 4 5 6 7 RX: 7 6 5 4 3 2		USOC 6
USOC 4 Reversed	TX: 3 4 5 6 RX: 6 5 4 3		USOC 4
USOC 2 Reversed	TX: 4 5 RX: 5 4		USOC 2
Coaxial with RJ-45 to F Adapter		TX: 4 5 pin 4 = center Pin RX: 4 5 pin 5 = shielding	

- The TX/RX LED is based on standard cable types. If you are using custom made cables, the TX/RX LEDs might not display as listed on the table.
- If more than one LED from the same row is lit, it indicates a short.
- If an LED is skipped, this may indicate an open wire.

Declaration of Conformity

TRENDnet[®]

Manufacturer's Name and Address

TRENDnet, Inc.
20675 Manhattan Place
Torrance, CA 90501 USA



Product Information:

Model Number: TC-NT3
Product Name: VDV & USB Cable Tester
Trade Name: TRENDnet

TRENDnet hereby declare that the product is in compliance with the essential requirements and other relevant provisions under our sole responsibility.

EMC

EN 55011: 2009 + A1: 2010 Group 1 (Class B)
EN 61000-3-2: 2006 + A2: 2009
EN 6100-3-3: 2013
EN 61326-1: 2013
EN 61326-2-1: 2013
EN 61326-2-2: 2013

This product is herewith confirmed to comply with the Directives.

Directives:

EMC Directive 2004/108/EC
RoHS Directive 2011/65/EU
REACH Regulation (EC) No. 1907/2006

Person responsible for this declaration.

Place of Issue: Torrance, California, USA

Date: October 22, 2014

Name: Sonny Su

Title: Director of Technology

Signature:

A handwritten signature in black ink, appearing to read 'Sonny Su', is written over a horizontal line.

Manufacturer's Nom et Adre

TRENDnet, Inc.
20675 Manhattan Place
Torrance, CA 90501 USA

**Détails du produit:**

Modèle: TC-NT3
Nom du produit: Testeur de câbles USB et VDV
Nom Commercial: TRENDnet

TRENDnet déclare par la présente que le produit est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive en vertu de notre seule responsabilité.

CEM

EN 55011: 2009 + A1: 2010 Group 1 (Class B)
EN 61000-3-2: 2006 + A2: 2009
EN 6100-3-3: 2013
EN 61326-1: 2013
EN 61326-2-1: 2013
EN 61326-2-2: 2013

Ce produit est conforme à la directives suivante.

Directives:

Directive CEM 2004/108/CE
Directive RoHS 2011/65/UE
REACH Règlement (CE) N° 1907/2006

Personne responsable de cette déclaration.

Lieu de délivrance: Torrance, California, USA

Date: October 22, 2014

Nom: Sonny Su

Position: Director of Technology

Signature:

Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following length of time from the date of purchase. Warranty: 1 year limited warranty (When Applicable: 1 year warranty for power adapter, power supply, and cooling fan components.) Visit TRENDnet.com to review the full warranty policy, rights, and restrictions for this product.

Garantie Limitée

TRENDnet garantit ses produits contre les défauts matériels et de fabrication, dans des conditions normales d'utilisation et de service, pour les durées suivantes, à compter de la date de leur achat. Limitée: 1 ans de garantie limitée (Si applicable: 1 an de garantie sur l'adaptateur secteur, l'alimentation en énergie et les composants du ventilateur de refroidissement.) Visitez TRENDnet.com pour lire la politique complète de garantie, les droits et les restrictions s'appliquant à ce produit.

Begrenzte Garantie

TRENDnet garantiert, dass seine Produkte bei normaler Benutzung und Wartung während der nachfolgend genannten Zeit ab dem Kaufdatum keine Material- und Verarbeitungsschäden aufweisen. Garantie: 1-Jahres-Garantie (Soweit zutreffend: 1 Jahr Garantie für Netzteil, Stromkabel und Ventilator.) Alle Garantiebedingungen, Rechte und Einschränkungen für dieses Produkt finden Sie auf TRENDnet.com.

Garantía Limitada

TRENDnet garantiza sus productos contra defectos en los materiales y mano de obra, bajo uso y servicio normales, durante el siguiente periodo de tiempo a partir de la fecha de compra. Garantía: 3 años de garantía limitada (Cuando proceda: 1 año de garantía para componentes de adaptadores de corriente, fuentes de alimentación y ventiladores de enfriamiento.) Visite TRENDnet.com para revisar la política de garantía completa, derechos y restricciones para este producto.

Ограниченная гарантия

Гарантия компании TRENDnet распространяется на дефекты, возникшие по вине производителя, при соблюдении условий эксплуатации и обслуживания в течение установленного периода с момента приобретения. Срок Гарантии -1 год ограниченной гарантии (Полную версию гарантийных обязательств, а также права пользователя и ограничения при эксплуатации данного продукта смотрите на вебсайте www.trendnetrussia.ru)

Garantia Limitada

TRENDnet garante seus produtos contra defeitos em material e mão de obra, sob condições normais de uso e serviço, pelo seguinte tempo a partir da data da compra. Garantia: Garantia limitada de 1 anos. (Quando aplicável: 1 ano de garantia para adaptador de tensão, fonte e componentes de ventoinhas). Visite TRENDnet.com para conhecer a política de garantia completa, direitos e restrições para este produto.)

Piiratud garantii

TRENDneti tavatingimustes kasutatavatel ja hooldatavatel toodetel on järgmise ajavahemiku jooksul (alates ostukuupäevast) tootmis-ja materjalidefektide garantii. garantii: 1-aastane piiratud garantii. (Garantii kohaldatakse: toiteadaperi, toiteallika ja jahutusventilaatori osadel on 1-aastane garantii.) Täisgarantii põhimõtete, õiguste ja piirangute kohta leiate lisateavet saidilt TRENDnet.com.

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Гарантія компанії TRENDnet поширюється на дефекти, що виникли з вини виробника, при дотриманні умов експлуатації та обслуговування протягом встановленого періоду з моменту придбання. (Продукт: Обмежена гарантія: 1 роки обмеженої гарантії (Поширюється: Протягом 1 року на силові адаптери, джерела живлення і компоненти вентилятора охолодження) Повну версію гарантійних зобов'язань, а також права користувача та обмеження при експлуатації даного продукту дивіться на вебсайті TRENDnet.com.

Certifications

This device can be expected to comply with Part 15 of the FCC Rules provided it is assembled in exact accordance with the instructions provided with this kit.

Operation is subject to the following conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received including interference that may cause undesired operation.



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.

Note

The Manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Advertencia

En todos nuestros equipos se mencionan claramente las características del adaptador de alimentación necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños físicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con el voltaje y frecuencia de la energía eléctrica domiciliar existente en el país o zona de instalación.

Technical Support

If you have any questions regarding the product installation, please contact our Technical Support.

Toll free US/Canada: 1-866-845-3673

Regional phone numbers available
at www.trendnet.com/support

Product Warranty Registration

Please take a moment to register your product online. Go to TRENDnet's website at:
<http://www.trendnet.com/register>

Russian Technical Support: 7 (495) 276-22-90
Телефон технической поддержки: 7 (495) 276-22-90

TRENDnet

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