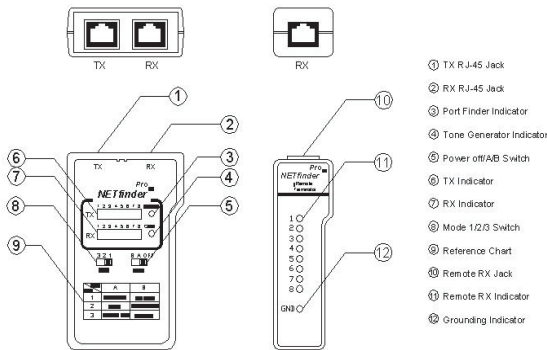## INTRODUCTION

The NETfinder Pro is the new generation of the LANTest family, with new circuit design surpassing original LANtest in technology. NETfinder Pro is a perfect companion to any network professionals, and students in commercial and residential applications.

The NETfinder Pro can enhance user ability to locate and verify the status of a common and standard voice/data cable quickly. It combines the function with a built-in "Tone" signal generator model. The PortFinder or cable identifier function can be used to trace the corresponding HUB port by blinking the LINK LED indicator on the HUB. It can identify up to 18 cables with 18 numbered remote IDs.

Features:

1. All-in-one tester: Cable test / Tone generator/ Port finder/Cable organizer.
2. Compatible with most cable tracer on the market.
3. Pin-to-pin LED indication.
4. Local "Loop Back" test, open, shorts, miss-wire, reversed.
5. Remote terminator for testing pre-installed cables.
6. Manual step testing in forward /stop /backward sequence.
7. Accessories for testing Video (F connector) and telephone (RJ11) cables.
8. 18 numbered remote IDs for organizing 18 cable locations.

PRODUCT PROFILE:

① TX RJ-45 Jack
② RX RJ-45 Jack
③ Port Finder Indicator
④ Tone Generator Indicator
⑤ Power off/A/B Switch
⑥ TX Indicator
⑦ RX Indicator
⑧ Mode 1/2/3 Switch
⑨ Reference Chart
⑩ Remote RX Jack
⑪ Remote RX Indicator
⑫ Grounding Indicator

CONTENTS:

1 Main Unit
1 Remote Unit
18 ID Remote Units (RJ45 Plug) numbered 1 to 18.
1 Deluxe Carrying Pouch
1 User manual
1 Set Accessory:
  - 2x RJ45 to Video F female connector cable
  - 1x Video F connector, M/M adapter
  - 2x RJ45 8P->6P adaptor
  - 2x RJ45 to RJ45 flat cable
*9V Alkaline Battery (optional)

Manual Procedure

POWER SWITCH ON/OFF

Connect the attached RJ45 to RJ45 flat cable on both TX and RX port and switch on the NETfinder Pro. It will do a LED self-test for all LEDs on for 1 second before performing the actual test.

REFERENCE CHART:

Power Switch / Mode Switch	A	B
Mode 1	Forward Test	PortFinder
Mode 2	Pause	Tone Generator
Mode 3	Backward test	Organizer

Forward mode: (A1) NETfinder Pro LED will flash as it checks the cable status from core **1** to **8**，then **G** (Shield Grand). This forward sequence will be repeated every 10 seconds.

Pause mode: (A2) LED will stop on the selected pin.

Backward mode: (A3) NETfinder Pro LED will flash as it checks the cable status from core **8** to **1**，then **G** (shield Grand). This backward sequence will be repeated every 10 seconds.

PortFinder:(B1) NETfinder Pro sends an Normal Link Pulse to communicate with Hub/Switch. The corresponding LINK LED on Hub/Switch panel port will blink as it communicates with PortFinder. Also "Port Finder" LED on the NETFinder Pro will blink at the same time.

WARNING

- **DO NOT** connect to an active circuit (Except in PortFinder mode)
- **DO NOT** expose the unit to extreme humidity, high temperature or direct sunlight.
- Always check the condition of batterie regularly. Weak battery might result inaccuracy.
- Please conserve your ID-Remote well so that you can make full use of them. If you lose some of them, contact us.
- If problem occurs with NETfinder Pro, please, **DO NOT** attempt to repair it. Contact your distributor/retailer for warranty.
- NETfinder Pro products cover 1 year Manufacture Limited Warranty with original proves of purchase.

Authorized Distributor/Retailer:

Model Number: _____

Serial Number: _____

Date of purchase: _____

---

3) Cable organizer

The Cable Organizer function enables identification of a group o properly labeled cables quickly.

(a) Positioning the power switch to **B 3** will start the cable organizer function. The top row LEDs will self-check flashing once.
(b) Plug ID remotes (up to 18) into the patch panel locations.
(c) Read the test results from the main unit，or from patch panel that the #ID LED attached to them.
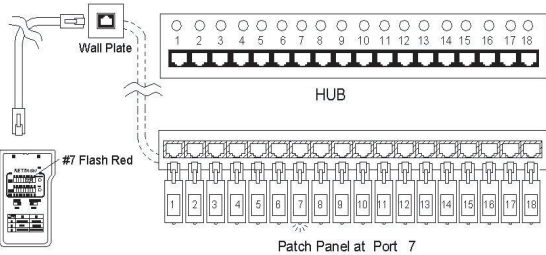
4) Testing Telephone Lines

Require the 2 x RJ45 8P -> 6P ADAPTOR
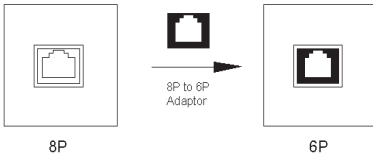
Application for Telephone cable test

(a) Plug one end of the cable into the **TX** (transmitting) of RJ45 jack and the other end into the **RX** (receiving) of RJ45 jack on the main or remote unit. Adaptors must be attached to the NETfinder Pro before starting this procedure.
(b) Positioning the power switch to A 1, A 2 or A 3 will turn on the NETfinder Pro. The upper row LEDs will start scanning in regular sequence.
(c) Either the main or the remote unit will display the test result of the cable.

5) Coaxial Cables Test:

Require the 2X RJ45 to video F connector cable adaptors or 1 x video F M/M Adaptor
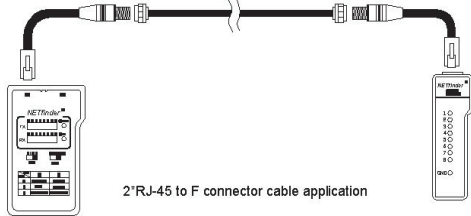

2*RJ-45 to F connector cable application

(a) Plug one end of the cable into the **TX** (transmitting) of RJ45 jack and the other end into the **RX** (receiving) of RJ45 jack on the main or remote unit. Adaptors must be attached to the NETfinder Pro before starting this procedure.
(b) Positioning the power switch to **A 1, A 2** or **A 3** will turn on the NETfinder Pro. The upper row LEDs will start scanning in regular sequence.
(c) Either the main or the remote unit will display the test result of the cable.

PortFinder Operation:

Wall Plate A at Port 7
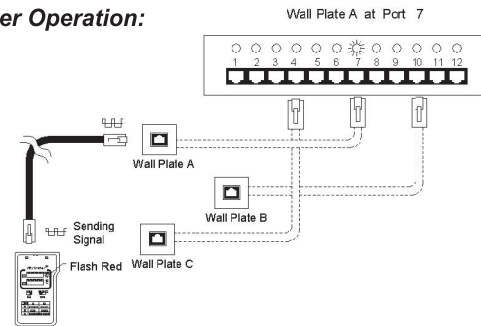
(a) Positioning power switch to B and the mode switch to 1.
(b) The PortFinder LED blinks when it sends the Normal Link Pulse signal to hub.
(c) The LINK LED on the Hub/Switch will blink simultaneously.

Tone Generator Operation:
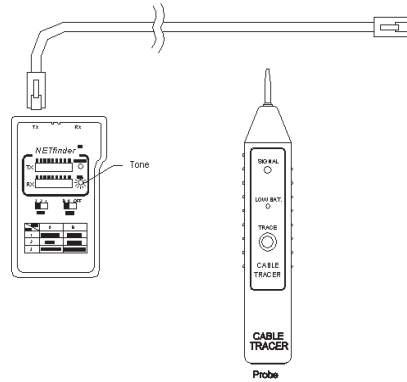
a) Positioning power switch to **B** and the mode switch to **2**. The "Tone" LED indicator will be on.
b) The NETfinder Pro will generate a tone frequency. When coupled by a compatible tone tracer, it allows technicians to locate and isolate the cable being tested quickly.

SPECIFICATIONS:

✻ Battery	9V Alkaline Battery
	Approx. 6 hr. (continuous operation)
✻ Size	Main unit: 103(L) x 60(W) x 26(H) mm
	Remote unit: 103(L) x 30(W) x 26(H) mm
	ID Remote: 47 (L) x 15(W) x 15(H) mm
✻ Weight	Main unit: 120 gram
	Remote unit: 40 gram
	ID Remote unit: 6.5 gram
✻ Operating Temp.	0°C - 50°C
✻ Storage Temperature	-30°C - 50°C
✻ Humidity	10% - 90%
✻ Tone Freq	1 KHz

Tone Generator: (B 2) NETfinder Pro sends out tone signal to the cable and one can trace it by using the probe. The "Tone" LED will solid on at the same time.

Cable Organizer: (B 3) If the main unit detects remote ID present or attached, the correspondent #ID LED on the main unit will flash.
* ID#1 & ID#10 will flash simultaneously if remote ID is absent.

Cable test Operation

1) Loop Back Test:

(a) Plug one end of the cable into the **TX** (transmitting) of RJ45 jack and the other end of the cable into the **RX** (receiving) RJ45 jack on the Main Unit.
(b) Positioning the power switch to **A 1, A 2** or **A 3** will turn on the NETfinder Pro. The upper row LEDs will start scanning in regular sequence.
(c) If the corresponding top and bottom rows of LED flash simultaneously, it indicates that the cable is good.
(d) The mode switch's position can be changed during the test.

2) Remote test:

(a) Might require the RJ45 adapter cables provided.
(b) Plug one end of the cable into the **TX** (transmitting) of RJ45 jack on the Main Unit, and the other end of the cable into the **RX** (receiving) RJ45 jack on Remote Unit.
(c) Positioning the power switch to **A 1, A 2** or **A 3** will turn on the NETfinder Pro. The upper row LEDs will all ON (self-test) then start scanning in regular sequence.
(d) Read the test results from the remote unit.
(e) The mode switch's position can be changed during the test.

2*RJ-45 M/M Cable application