



Cable Series

User Manual

Model : CE01TV

CATV CAT5e Extender (2pcs/1set, 2.4Ghz 30M, 900Mhz: 50M)



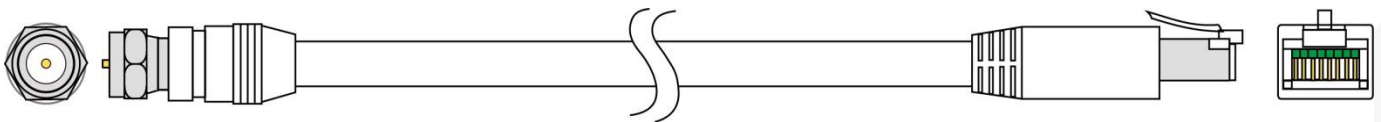
Introduction

coax cable, which replaces coaxial cables and uses Cat5e UTP cables to carry the signals. The extender allows broadband CATV equipment to integrate into structured cabling systems and add CATV equipment to any convenient modular wall outlet. It's a versatile cabling solution for broadband video systems used by offices, schools, government, hospitals, hotels, even private homes...

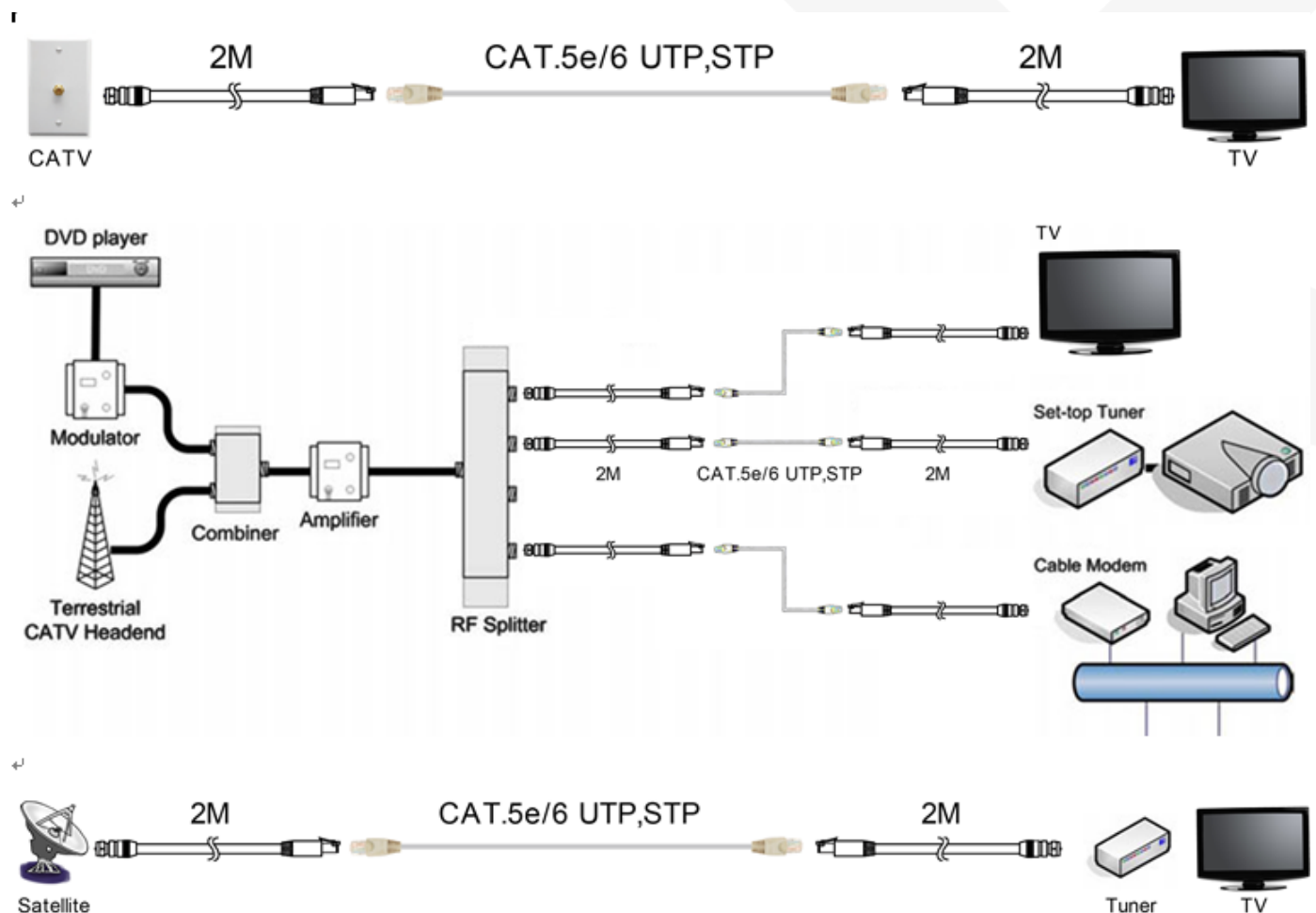
Features

- CATV, VHF, VHF and FM signals over a CAT5e cable.
- No external power required.
- Supports bandwidth at 40Mhz to 2.4Ghz.
- Signal extension up to 100M.
- Workable with CATV, satellite receivers, RF splitter and amplifier..

Panel View



Installation View



Cable

Link Cable recommend use high quality Cat.5e. UTP, STP or CAT6 UTP cable.

Transmission Range

Max. distance up to 100M.

The following distance chart reference may different based on cable quality and input/output signal level.

Cable	Distance	Application Range	Frequency	Remark
CAT.5e UTP	100 M	CATV 2 ~ 6 ; 95 ~ 99 ; 14 ~ 22	54 ~ 174 MHz	To work with amplifier could increase the application range and working distance.
CAT.5e UTP	80 M	CATV 7 ~ 13 ; 23 ~ 36	174 ~ 300 MHz	
CAT.5e UTP	50 M	CATV 37 ~ 94	300 ~ 648 MHz	
CAT.5e UTP	30 M	CATV 100 ~ 158	648 ~ 1002 MHz	
		Satellite signal	1002 ~ 2200 MHz	

RJ45 Pin Define

Using Standard EIA/TIA 568B

<div><div>12345678</div><div>W-O O W-G BL W-BL G W-BR BR</div><div>JACK POSITION</div></div>	RJ45 Jack		
	PIN	Color	Function
	1	W-O	X
	2	O	X
	3	W-G	X
	4	BL	X
	5	W-BL	X
	6	G	X
7	W-BR	Signal (-)	
8	BR	Signal (+)	

Caution

The wiring must away from any equipment with electromagnetic wave, i.e.: mobile phone, microwave, radio equipment, fluorescent lamp, high voltage power cable.

Specification

ITEM NO.	CE01TV
Support	
Video Bandwidth	40 MHz to 2.4 GHz
3dB Bandwidth	40 MHz to 1 GHz
Max. Transmission Distance	100M
Insert Loss	<3 dB @ 40 to 1GHz
Return Loss	>18 dB @ 40 to 1GHz
CMRR	-20dB or Higher
Ports & Interfaces	
Video Input/ Output	1 x RG6 Male BNC (75Ω@1MHz)
Link Interface	1 x RJ45 (24AWG, 100Ω)
Ambient Temperature	
Operation	0 to 55°C
Storage	-20 to 85°C
Humidity	Up to 95%
Physical Characteristics	
Dimensions	14.2 x 15.6 x 2000mm
Weight	135g