

DX Engineering ISO-PLUS Ethernet RF Filters DXE-ISO-PLUS-2

★★★★★ (19) Part Number: DXE-ISO-PLUS-2



\$49.99

DX Engineering ISO-PLUS Ethernet RF Filters

Ethernet EMI Filter, Patent Pending, RF Common Mode Choke, Inline Coupler EMI Filter, GbE, Double Female RJ-45, Cat 5e, Cat 6 Compatible, Pair
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Overview

DX Engineering ISO-PLUS Ethernet RF Filters

DX Engineering ISO-PLUS Ethernet RF Filters are very effective EMI Suppressors that are quickly and easily connected inline on Cat5e or Cat6 network cables. Their patent pending design provides common mode RF interference and EMI noise filtering of radio frequencies from well below 1 MHz to over 100 MHz. DX Engineering ISO-PLUS Ethernet RF Filters are bidirectional (input and output is interchangeable) and they have no effect on digital throughput; Ethernet data signal levels and speed remain unchanged. NOTE: DC The ISO-PLUS filters are for use with Ethernet cables only. They are not to be used on other products that have an RJ-45 cable such as radio microphones, audio interfaces (Signalink), etc. Additionally, any cable used that supplies power over Ethernet will not work - the ISO-PLUS units do NOT pass DC voltages and do not support PoE (Power over Ethernet).



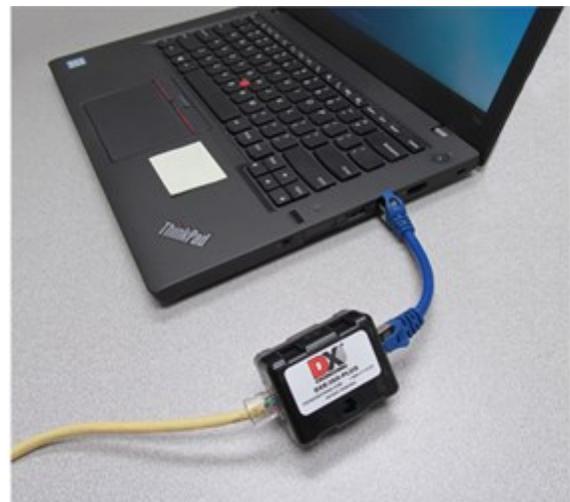
DX Engineering ISO-PLUS Ethernet RF Filter EMI Suppressor

Electromagnetic interference (EMI), also known as RF interference (RFI), can be imposed onto your received radio and data signals from many electronic devices normally found around a residence, a radio room or a business network. Areas of major concern are Gigabit Ethernet Cat5(e) and Cat6 cables used for network (LAN) connections between personal computers, printers, multi-port switches, cable modems, routers and radio transceivers, and between many other devices.



Example DXE-ISO-PLUS-2 Amateur Radio Installation

DX Engineering ISO-PLUS RF filters, installed on both ends of Ethernet cables, work two ways. First, they can mitigate RF interference caused to the Ethernet connected device. Second, they can reduce interference to radio receivers and other Ethernet devices that is caused by RFI or EMI generated by an Ethernet connected device. ISO-PLUS filters are sold in pairs and are normally installed at each end of an Ethernet cable; one filter at the RJ-45 Ethernet plug of the first device and the other filter at the RJ-45 Ethernet plug of the second device. Each ISO-Plus comes with one six inch shielded RJ-45 patch cable (color may vary).



DX Engineering ISO-PLUS Ethernet RF Filter installed at laptop

Features of DX Engineering ISO-PLUS Ethernet RF Filters:

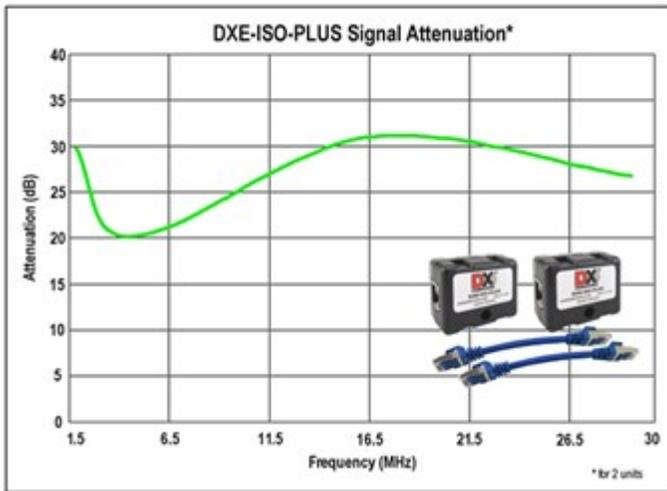
- Suppress EMI by reducing common mode RF interference to and from Ethernet cables
- Effective from well below 1 MHz through 100 MHz (including 160 through 6 meter Amateur bands)
- Support 10/100 Mbps Fast Ethernet and GbE Gigabit Ethernet with no effect on data signal or speed
- Work with Cat5, Cat5e, Cat6 and Cat6A cables with RJ-45 male connectors
- Provide common mode RF attenuation resulting in reduced or eliminated EMI or RFI

- Each ISO-PLUS comes with one six inch shielded RJ-45 Hook-up Ethernet patch cable (color may vary)

Designed to be installed in pairs; offered in a two-filter package DXE-ISO-PLUS-2 or a ten-filter package DXE-ISO-PLUS-10.



Common Mode RF Attenuation for a typical installation of DXE-ISO-PLUS-2.



DX Engineering ISO-PLUS Common Mode RF Attenuation

RFI can creep in from switching power supplies, wall power adapters, dimmer switches, touch lamps, appliances and just about anything near Ethernet cables. The RFI generated internally by the device can be radiated over the Ethernet cable. Once RFI is in the Ethernet cable it acts as an antenna and radiates RF signals that can be picked up by your receiver. Proximity of transmitting antennas near internal wiring can cause interference that gets into Ethernet cables. Even if the RJ-45 cables are “shielded”, and especially if the shield is terminated at both ends of the cable, then the shield becomes just another conductor which can receive unwanted signals and reradiate them just as any other wire in the cable might do. **ISO-PLUS RF Filters** can reduce or eliminate this trouble.

Always use RF clean power supplies. Linear power supplies are usually better than switching power supplies. Some switching power supplies that are specifically designed for use with Amateur radios usually have extra internal filtering to avoid causing RF interference in the amateur radio bands. However, most wall adapters do not have proper filtering and can cause significant interference problems.

Be aware that proper equipment installations will contribute to the reduction or elimination of RF and noise interference. Proper power and RF wiring and **grounding**, quality coaxial cable and connector installation, and tight positive mechanical connections are all very important, as well as other good RF practices. DX Engineering offers many useful accessories for the reduction of RFI in the station including **DX Engineering Ferrite** and the Radio **RF Ground Plane Kits**

DX Engineering ISO-PLUS Ethernet RF Filters are an important tool to improve productivity and radio reception of weak signals. “If you can’t hear them, you can’t work them.” Order **ISO-PLUS Ethernet RF Filters** exclusively from DXEngineering.com

Specifications

| | |
|------------------------------------|--|
| Brand: | <u>DX Engineering</u> |
| Manufacturer's Part Number: | DXE-ISO-PLUS-2 |
| Part Type: | <u>Network Devices</u> |
| Product Line: | <u>DX Engineering ISO-PLUS Ethernet RF Filters</u> |
| DXE Part Number: | DXE-ISO-PLUS-2 |
| RFI Filter: | Yes |
| Quantity: | Sold as a pair. |

DX Engineering ISO-PLUS Ethernet RF Filters

DX Engineering ISO-PLUS Ethernet RF Filters are very effective EMI Suppressors that are quickly and easily connected inline on Cat5e or Cat6 network cables. Their patent pending design provides common mode RF interference and EMI noise filtering of radio frequencies from well below 1 MHz to 100 MHz and beyond. DX Engineering ISO-PLUS Ethernet RF Filters have no effect on throughput; Ethernet data signal levels and speed remain unchanged.

Electromagnetic interference (EMI), also known as RF interference (RFI), can be imposed onto your received radio and data signals from many electronic devices normally found around a residence, a radio room or a business network. Areas of major concern are the Gigabit Ethernet Cat5(e) and Cat6 cables used for network (LAN) connections between personal computers, printers, multi-port switches, cable modems, routers and radio transceivers, and between many other devices.

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Click "More Details" below for additional information.

DX Engineering ISO-PLUS Ethernet RF Filters are an important tool to improve productivity and radio reception of weak signals. "If you can't hear them, you can't work them." Order ISO-PLUS Ethernet RF Filters exclusively from DXEngineering.com

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Documentation



[Instructions](#)

Applications

Reviews

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★★★★★ 4.8 | [19 Reviews](#)

Reviews

Rating Snapshot

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|-----|--------------------------|----|
| 5 ★ | <input type="checkbox"/> | 16 |
| 4 ★ | <input type="checkbox"/> | 2 |
| 3 ★ | <input type="checkbox"/> | 1 |
| 2 ★ | <input type="checkbox"/> | 0 |
| 1 ★ | <input type="checkbox"/> | 0 |

Average Customer Ratings

| | | |
|----------------------|--------------------------|-----|
| Overall | ★★★★★ | 4.8 |
| Ease of Installation | <input type="checkbox"/> | 5.0 |
| PriceValue | <input type="checkbox"/> | 4.4 |
| Appearance | <input type="checkbox"/> | 5.0 |
| Quality | <input type="checkbox"/> | 4.9 |

1–8 of 19 Reviews



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★★★★★ TRAVIS · 3 years ago

Awesome Product!

See a prototype of this product over a year ago and have been patiently waiting for them to become available. Soon as I seen them for sale on the site I end up purchasing 30 of them and added them to every device on my network and it made a major difference. These filters totally eliminated all my birdies that were scattered thought the HF spectrum and effectively dropping my overall noise floor. I will not add anything else to my network without also adding a DXE-ISO-PLUS in line with it. Kudos to the team a DXE.

Ease of Installation



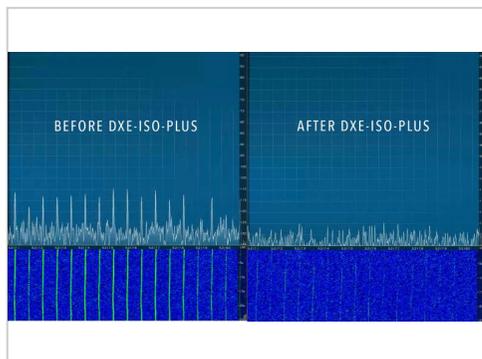
PriceValue



Appearance



Quality



Helpful? Yes · 9 No · 0 Report

★★★★★ RONALD · a year ago

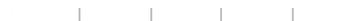
These things work!

I was unable to use FT8 on 160 meters at my remote site since internet comes via a Ubiquiti 5 GHz link that kept resetting to factory defaults when I ran more than 400 Watts on 160 for more than 5 seconds. RF was getting rectified and sending reset voltage to the CPU. The ISO-PLUS does not pass POE, but I used a pair of POE injectors to bridge the power through a ferrite loop across the filter. I housed it all in plastic box and mounted it on the pole below the Ubiquiti unit and it works perfectly! I can run 1500 Watts on FT8 with no problems at all!

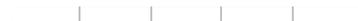
Ease of Installation



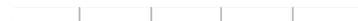
PriceValue



Appearance



Quality



Helpful? Yes · 2 No · 0 Report

★★★★★ ANDREW · 3 years ago

Excellent Product

A few months ago I determined my Pepwave Max BR1 cellular router was generating lovely little songbirds across 40 & 20 meters and a complete aviary on the lower end of 10 meters. Had planned to wind my own Ethernet chokes, never got around to purchasing the toroids. Logged on to DXE's site one day and noticed this new product. Figured what the heck, can't hurt to try it. Well..several of the big S4-S5 birdies on 20 meters are attenuated to almost unreadable and everything else is gone. Tuned the transceiver to one of the bad ones as I was plugging in the Ethernet cable and watched as the songbirds fell silent. As with any product, your results may vary. Mine were excellent. Thanks DXE!

Ease of Installation

PriceValue

Appearance

Quality

Helpful? Yes · 3 No · 0 Report

★★★★★ DAVID · 3 years ago

My Profound Thanks.

Saw these jewels on the site and couldn't wait to try them. I got a bug to play with IP POE cameras and was ok until I added some with underground cat 6, Unshielded.. dumb..., At low power on all bands, 20 M beam and inverted V. Knocked then off. I tried snap on toroids, wound toroids, slip on toroids... Then.. Got them today snapped in place at the network switch in the shack and 1000 watts no problem.. All cameras OK.. Someone out did themselves. Thanks DX.. NT4G

Ease of Installation

PriceValue

Appearance

Quality

Helpful? Yes · 11 No · 0 Report

★★★★★ JEFFREY · 3 years ago

Solved my High Power RF interference

Using a Flex Radio on FT8 and high power for DX only on 20 meters with my beam pointed toward the house my Flex DAX would "disconnect" from the rig/computer. I obtained three sets of these network filters and placed one between the Flex and the router, one between the computer and the router and another one between the router and port switch that runs all my network connections for my remote and misc ham related equipment that uses a network connection. Problem solved completely. Amazingly simple solution. The usual multiple ferrite snap-ons placed on multiple network cables prior to this could not avoid the RF interference. This took care of it COMPLETELY.

Helpful? Yes · 0 No · 0 Report

★★★★★ STEWART · 6 months ago

DX Engineering ISO-PLUS Ethernet RF Filters

The DXE-ISO-Plus-2 Rf filter works as advertised. I was having extreme interference on my 2-meter rigs. I determined the problem was coming from my grandson's new desktop computer. After installing these filters, it almost completely eliminated the RF interference. My radios are now working as normal. Before the filter installation, the noise made the radios unusable. I highly recommend these filters as an inexpensive, "plug and play" solution to a computer-generated RF interference problem.

Ease of Installation

PriceValue

Appearance

Quality

Helpful? Yes · 1 No · 0 Report

★★★★☆ TRINA · 2 years ago

Unsure...

I bought a pair of these when they first came out to install on both ends of a 90' Cat6 run from the modem to the shack. They seemed to clean up a few "birdies" on the Flex screen and helped with some RFI from a very poor 160m antenna we had at the time. They remained in service for several months. We started having network issues and replaced the Modem / Router, Switch in the shack etc. Problems persisted until I removed the DXE-ISO-PLUS-2 from the modem end. The Actual Problem was the router not properly assigning IP addresses. With the unit removed I have had no further issues. The other one remained inline for several months but was not replaced after changing some cable routing since with only one it did not have the positive effects the pair did.

Ease of Installation

PriceValue

Appearance

Quality

Helpful? Yes · 0 No · 0 Report

★★★★★ ALAN · 2 years ago

Solved RF issues with ethernet connections

I have intermittent RF issues causing my weather station's internet connection to cutout and a few other computer/radio related interruptions. I worked on the usual RF correction process but this problem would still happen every once in a while, usually at the perfect times too, like during a contest or busting a pile up for a DX QSO. I installed two of these ISO-PLUS devices and it solved my problems. I highly recommend this product as an addition to the other shack RF isolation steps.

Ease of Installation

PriceValue

Appearance

Quality

Helpful? Yes · 0 No · 0 Report

1-8 of 19 Reviews



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DX Engineering Coaxial RF Connector Adapters DXE-06-0102-2

★★★★★ (15)

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★★★★★ (73)

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\$14

Some parts are not legal for use in California or other states with similar laws / regulations