

Discrete IR System

APPLICATION

Fenger® Discrete IR System is a standalone Infrared Distribution System using UTP cable, to send IR signals to AV devices from multiple zones back to a central location. The Discrete IR Distribution System design allows you (at each target) to simply select the emitter output you wish to control from that zone. This feature enables independent control of two of the same AV devices from different rooms. The system is easy to install using 'Plug-N-Play' connectivity, and is perfect for use with any distribution equipment including video, audio etc.

FEATURES & BENEFITS

- *Discrete IR Capable - control what you want from where you want!*
- *Ideal for both cabinet and whole home IR installations*
- *7 emitter port Distribution Module (2 x Discrete, 1 x Direct, 4 x Common)*
- *Superior reliability and performance in 'noisy areas'*
- *Plasma Panel friendly targets with zone selection via Receiver Module*
- *Star or loop wired - ideal for new and retrofit installations*
- *RJ45 connectivity - easy to install*
- *Direct IR connection for suitable AV devices*
- *1 in 7 out IR Distribution Hub (Expandable)*



ORDERING INFORMATION

FIR-305	IR Distribution Module
FIR-505	IR Receiver Module and Target
FIR-170	IR Distribution Hub
FIR-500	Flat IR Target
FIR-700	Single Head IR Emitter
FIR-800	Double Head IR Emitter
FIR-900	2in / 1out Single Head IR Emitter
FIR-150	IR Target Mount
FIR-160	IR Emitter Shield



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DISCRETE IR SYSTEM – COMPONENTS

FIR-305

Distribution Module for use in Fenger® Discrete Infrared system, with FIR-505 (Receiver Module and Flat IR Target). Advantage of Discrete IR control of specific AV devices from each room/zone, ideal where two of the same AV devices are installed in one area. Switch Mode Power Supply and Direct IR lead are included.

Frequency Range	20 KHz – 200 kHz
Power Input	12V DC – 500mA
Cable Requirement	UTP cable (CAT 5e)
Max. Cable Length	Up to 60 meters
Dimensions	70 x 40 x 23 mm
Power Supply	
Power Input	110 - 240V AC
Power Output	12V DC – 500 mA
Connection – Power In	EU - type plug
– Power Out	F-2.1mm mini-jack



FIR-505

Receiver Module and Flat IR Target for use in Fenger® Discrete Infrared system. Advantages of Discrete IR control of specific AV devices from each room/zone via DIP switch selection. Easily extendable cable distance by 'Plug-N-Play' facility using RJ45. Built-in LED's to show acknowledgement of IR commands and Power status. Flat IR Target rejects interference from Plasma displays, direct sunlight and fluorescent tube lights for accurate IR signal reception. Powered remotely by Distribution Module.

Frequency Range	20 KHz – 200 kHz
Target Cable Length	1.75 m
Max. Target Rec. Distance	Up to 8 meters
Discrete IR Control	via DIP switch
Cable Requirement	UTP cable (CAT 5e)
Max. Cable Length	Up to 60 meters
Dimensions	70 x 40 x 23 mm



FIR-170

Fenger® Cat-5e IR Distribution Hub that allows for simple IR distribution to up to 7 Targets in a star-wired configuration. Accommodates up to 8 individually terminated lines via RJ45 sockets or IDC terminations. Powered remotely by Distribution Module.

Connections	8 x IDC terminations 8 x RJ45 sockets
Data Performance Spec	CAT 5e
Max. Cable Length	Up to 60 meters
Max Targets per System	Up to 7 targets
Dimensions	50 x 140 x 35 mm
Mounting depth	30 mm



DISCRETE IR SYSTEM – ACCESSORIES

FIR-500

Fenger® FIR-500 is a Flat IR Target used in the Discrete IR Distribution System. When combined with other products in the IR Distribution System it will allow you to send IR Signals to control electronic devices from remote locations. Rejects interference from Plasma displays, direct sunlight and fluorescent tube lights for accurate IR signal reception.

Frequency Range	20 KHz – 200 kHz
Target Cable Length	1.75 m
Max. Target Rec. Distance	Up to 8 meters
Power Input	12V DC (by FIR-305/505)



FIR-700

Fenger® FIR-700 is a single head blaster-type IR emitter that repeats IR remote control signals received at an IR target and sends them back through the cable to the AV equipment.

Connectors	3.5mm mini mono jack
Cord Length	1.75 m
Emitter type	Blaster
Emitter strength	Up to 200mm away from IR receiver
Head Size	8 x 15 x 5 mm



FIR-800

Fenger® FIR-800 is a double head blaster-type IR emitter that repeats IR remote control signals received at an IR target and sends them back through the cable to the AV equipment.

Connectors	3.5mm mini mono jack
Cord Length	1.75 m
Emitter type	Blaster
Emitter strength	Up to 200mm away from IR receiver
Head Size	8 x 15 x 5 mm



FIR-900

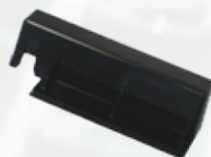
Fenger® FIR-900 is a 2 in / 1 out single head blaster-type IR emitter. It repeats IR remote control signals received at an IR target and sends them back through the cable to the AV equipment. Ideal for full IR control where two Distribution Hubs are installed.

Connectors	2 x 3.5mm mini mono jack
Cord Length	1.75 m
Emitter type	Blaster
Emitter strength	Up to 200mm away from IR receiver
Head Size	8 x 15 x 5 mm



FIR-150

Fenger® IR Target Mount

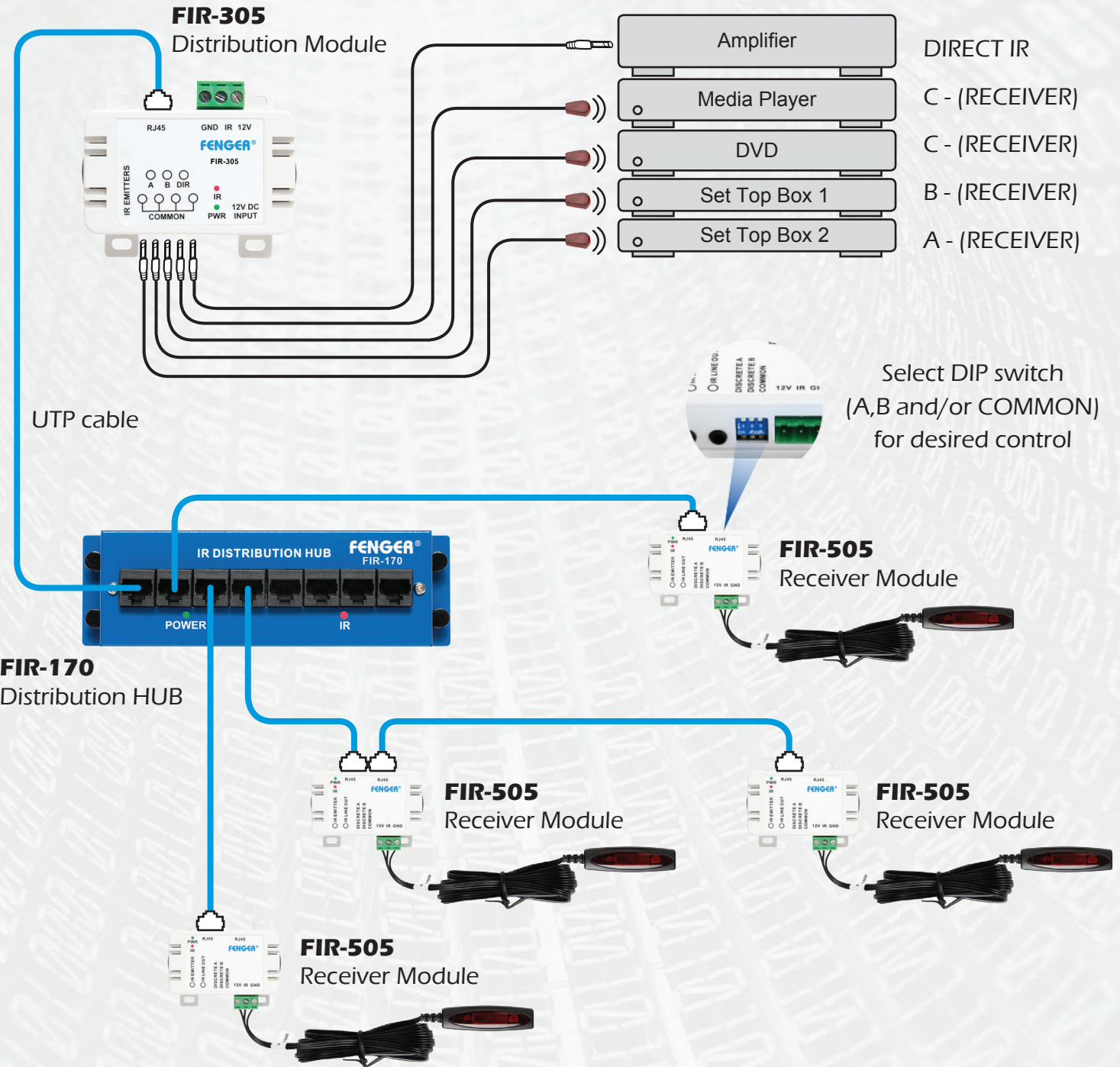


FIR-160

Fenger® IR Emitter Shield (pack 2 pieces)



DISCRETE IR SYSTEM – INSTALLATION EXAMPLES



DISCRETE IR CAPABLE

Control what you want from where you want!



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