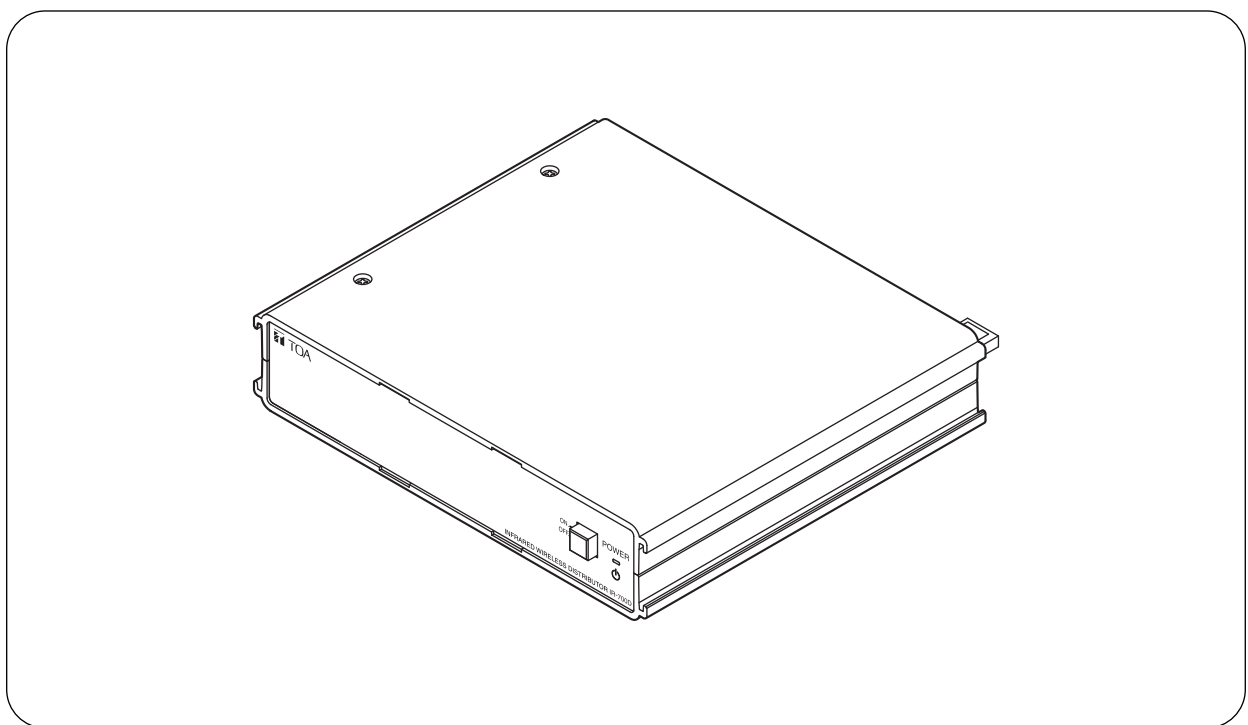




## OPERATING INSTRUCTIONS

# INFRARED WIRELESS DISTRIBUTOR

## IR-700D



Thank you for purchasing TOA's Infrared Wireless Distributor.  
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

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## FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation.  
Any modifications made to this device that are not approved by TOA Corporation may void the authority granted the user by the FCC to operate this equipment.

# 1. SAFETY PRECAUTIONS

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety.
- After reading, keep this manual handy for future reference.



## WARNING

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.



## CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.



## WARNING

### When Installing the Unit

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.
- Do not cut, kink, otherwise damage nor modify the power supply cord. In addition, avoid using the power cord in close proximity to heaters, and never place heavy objects -- including the unit itself -- on the power cord, as doing so may result in fire or electric shock.

### When the Unit is in Use

- Should the following irregularity be found during use, immediately switch off the power, disconnect the power supply plug from the AC outlet and contact your nearest TOA dealer. Make no further attempt to operate the unit in this condition as this may cause fire or electric shock.
  - If you detect smoke or a strange smell coming from the unit.
  - If water or any metallic object gets into the unit
  - If the unit falls, or the unit case breaks
  - If the power supply cord is damaged (exposure of the core, disconnection, etc.)
  - If it is malfunctioning (no tone sounds.)
- To prevent a fire or electric shock, never open nor remove the unit case as there are high voltage components inside the unit. Refer all servicing to qualified service personnel.
- Do not place cups, bowls, or other containers of liquid or metallic objects on top of the unit. If they accidentally spill into the unit, this may cause a fire or electric shock.
- Do not touch a power supply plug during thunder and lightning, as this may result in electric shock.



## CAUTION

### When Installing the Unit

- Never plug in nor remove the power supply plug with wet hands, as doing so may cause electric shock.
- When unplugging the power supply cord, be sure to grasp the power supply plug; never pull on the cord itself. Operating the unit with a damaged power supply cord may cause a fire or electric shock.
- When moving the unit, be sure to remove its power supply cord from the wall outlet. Moving the unit with the power cord connected to the outlet may cause damage to the power cord, resulting in fire or electric shock. When removing the power cord, be sure to hold its plug to pull.
- Avoid installing the unit in humid or dusty locations, in locations exposed to the direct sunlight, near the heaters, or in locations generating sooty smoke or steam as doing otherwise may result in fire or electric shock.
- Refer all installation work to the dealer from where the unit was purchased. Installation requires extensive technical knowledge and experience. Improper installation may result in personal injury or electric shock.

### When the Unit is in Use

- Use the AC adapter supplied with the unit. Note that the use of other adapter may cause a fire.
- If dust accumulates on the power supply plug or in the wall AC outlet, a fire may result. Clean it periodically. In addition, insert the plug in the wall outlet securely.
- Switch off the power, and unplug the power supply plug from the AC outlet for safety purposes when cleaning or leaving the unit unused for 10 days or more. Doing otherwise may cause a fire or electric shock.

## 2. GENERAL DESCRIPTION

The IR-700D is a receiver distributor used in the TOA's infrared wireless microphone system.

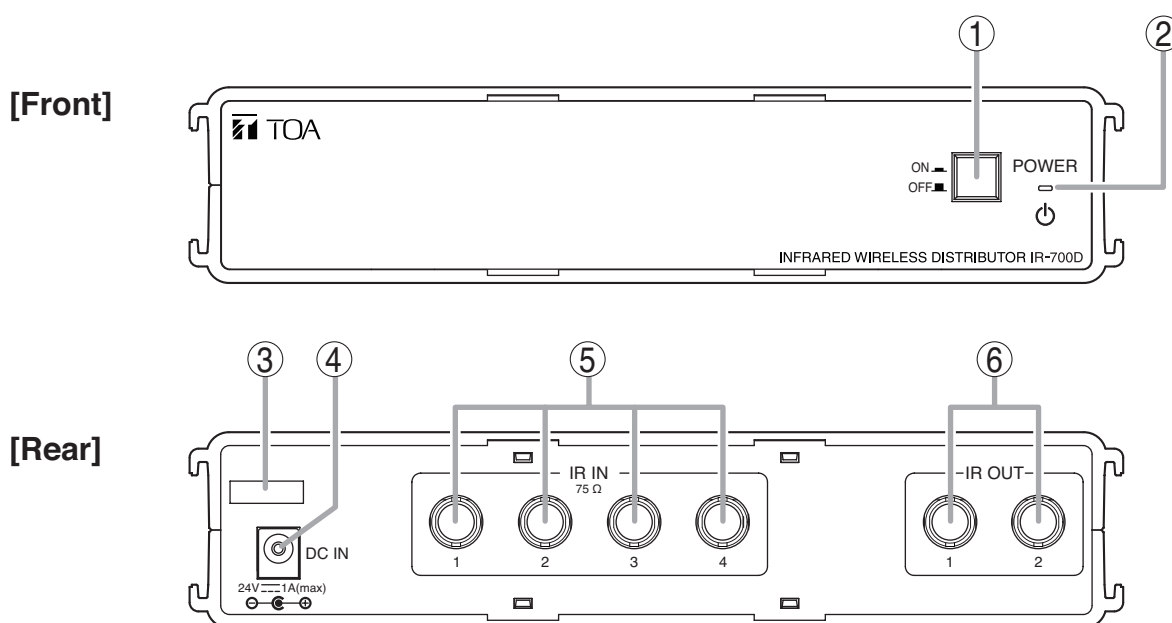
It employs 4 receiver mixing inputs and 2 distribution outputs.

By using the IR-700D in conjunction with the IR-702T Infrared Wireless Tuner, up to 16 infrared wireless receivers can be connected to the IR-702T.

## 3. HANDLING PRECAUTIONS

- Install the IR-702T as far as possible from fluorescent lights, digital equipment, PCs and other devices that generate high-frequency noise.
- When cleaning, be sure to first switch off the tuner's power, then wipe with a dry cloth. If the tuner is extremely dirty, use a cloth moistened in a neutral detergent. Do not use benzene, thinner, alcohol and chemically-processed towels, as they can cause damage to the tuner's components and parts.

## 4. NOMENCLATURE AND FUNCTIONS



### 1. Power switch

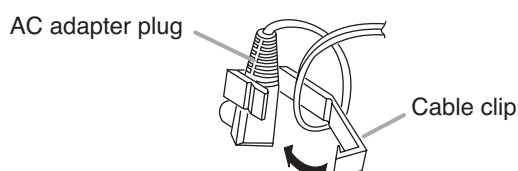
Press this switch to turn on the power.  
To turn off the power, press this switch again.

### 2. Power indicator

Lights when the power is switched on.

### 3. Cable Clip

Run the AC adapter cable through this clip to prevent its plug from being removed.



### 4. DC inlet [DC IN]

Connect the supplied AC adapter.

### 5. Receiver mixing input terminals [IR IN]

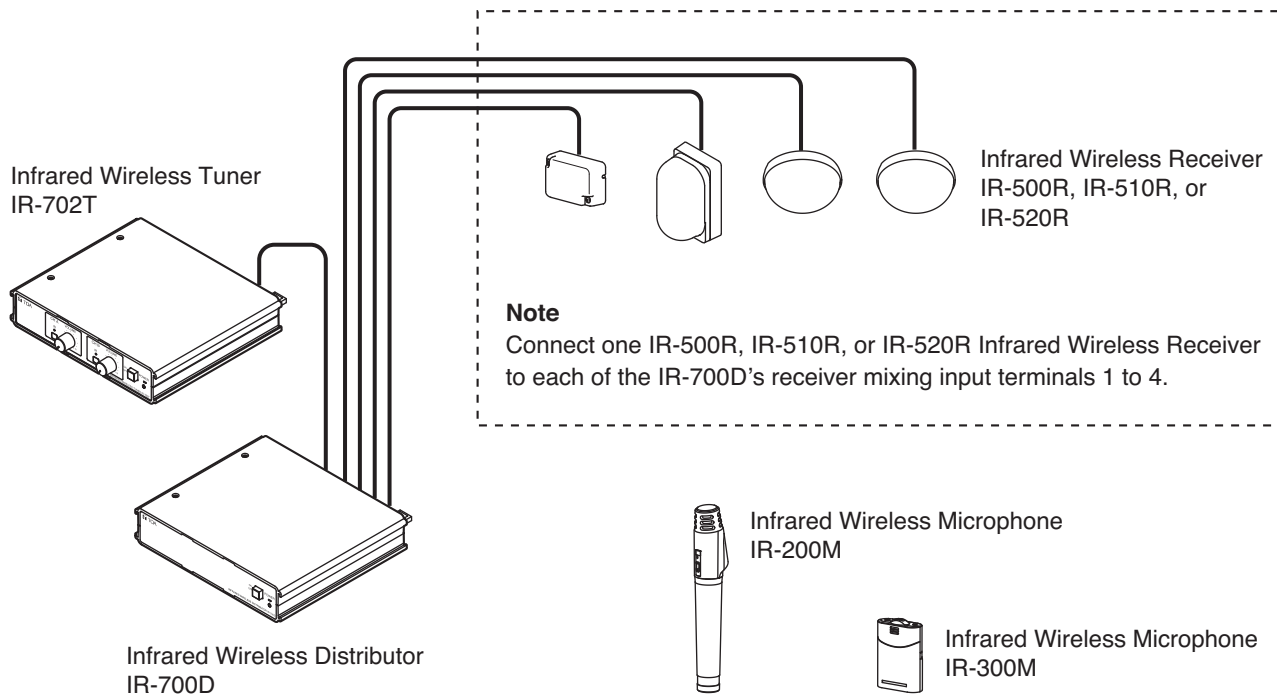
Connect the infrared wireless receiver or the distributor.

Up to 8 infrared wireless receivers can be connected with the use of the optional YW-1022 (2-Branch Distributor) or the YW-1024 (4-Branch Distributor).

### 6. Distribution output terminals [IR OUT]

Connect the IR-702T Infrared Wireless Tuner.

## 5. SYSTEM CONFIGURATION EXAMPLE



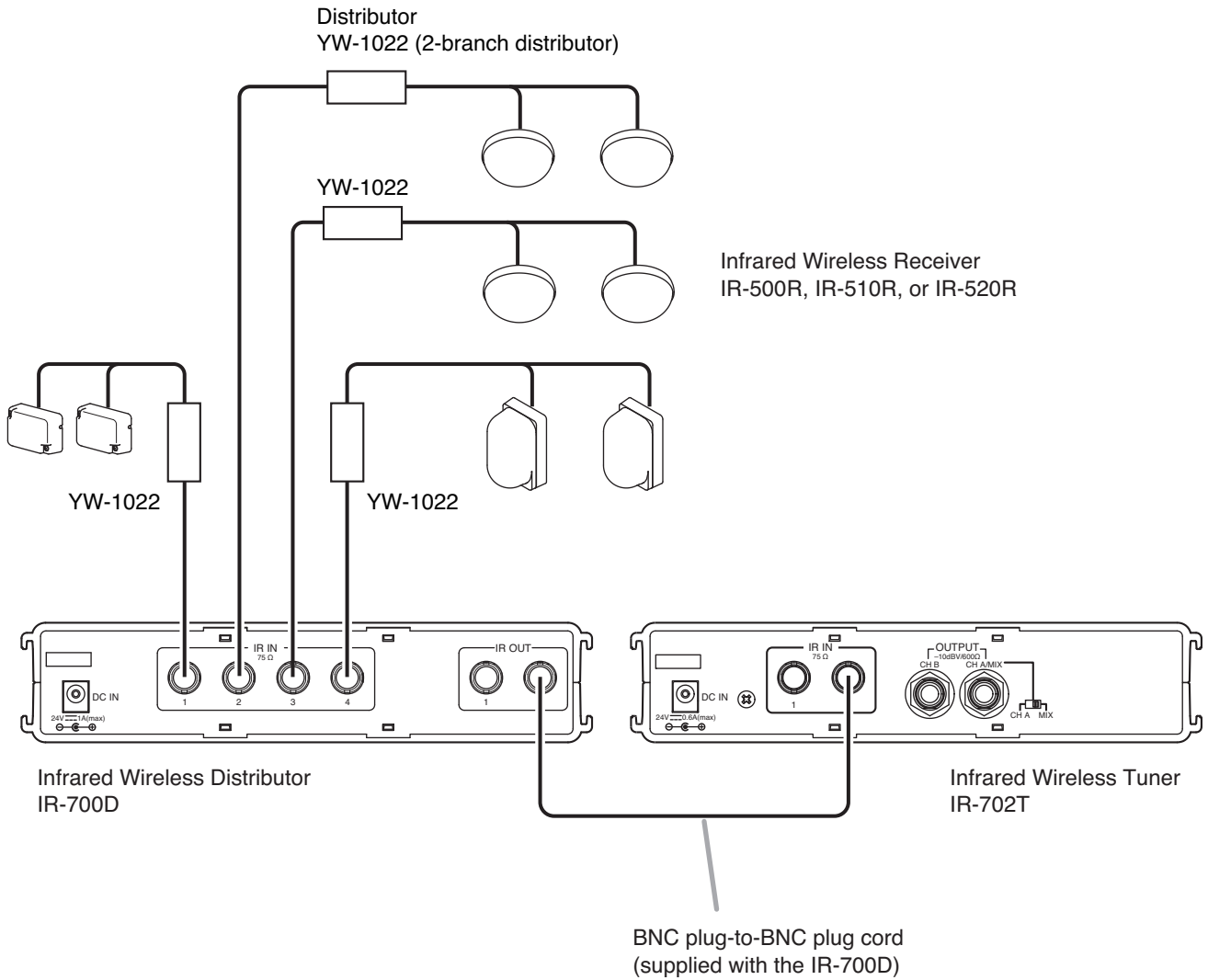
### **Note**

Avoid connecting more than one IR-700D Infrared Wireless Distributor to a single system. Failure to observe this warning could cause excessive gain output, possibly disabling the system's correct operation.

## 6. CONNECTION EXAMPLE

Combining the IR-700D with the IR-702T tuner allows the number of the infrared wireless receivers connected to the IR-702T to be increased.

The connection example shown below is a system having 5 or more receivers to be connected to the IR-702T tuner.

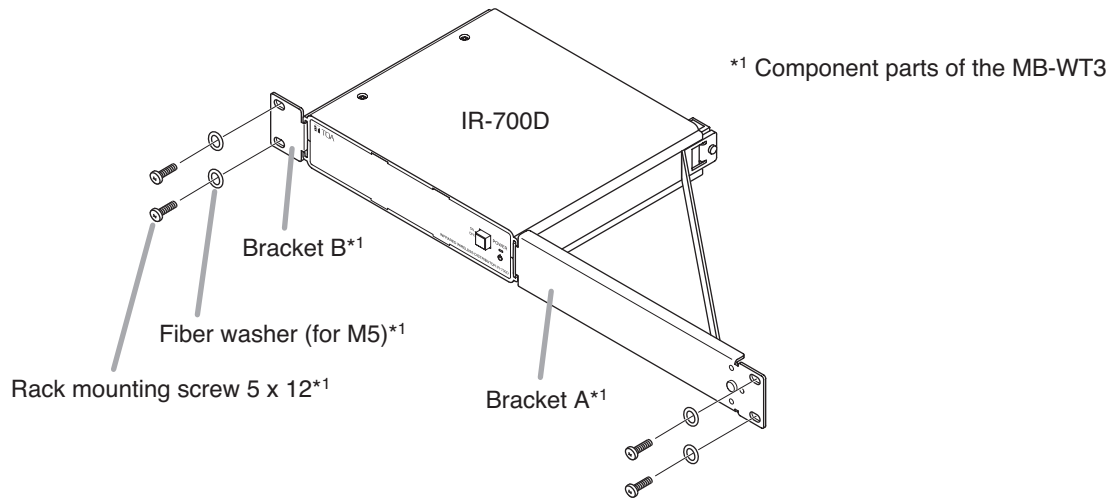


## 7. INSTALLATION

### 7.1. Mounting a Single Unit in an Equipment Rack

Use the optional MB-WT3 Mounting Bracket to mount a single IR-700D unit.

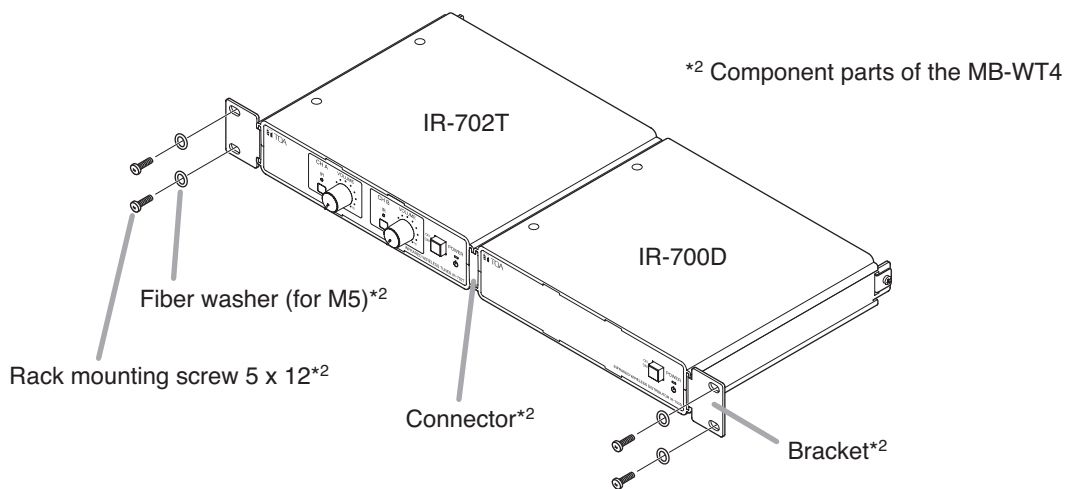
**Note:** For the mounting bracket installation, refer to the instruction manual attached to the MB-WT3.



### 7.2. Mounting in Conjunction with the IR-702T in an Equipment Rack

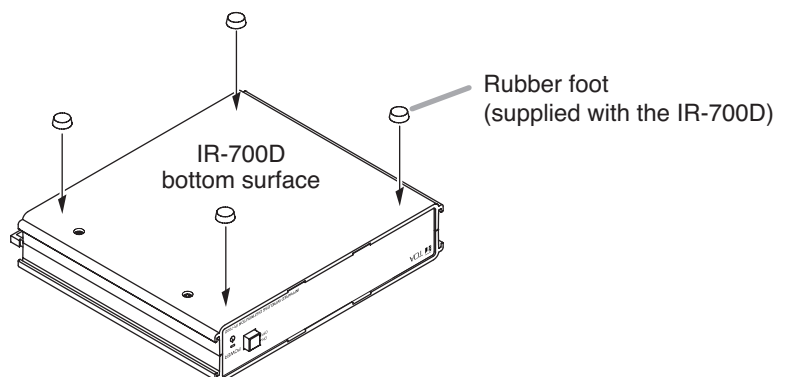
Use the optional MB-WT4 Rack Mounting Bracket.

**Note:** For the MB-WT4 installation, refer to the instruction manual attached to the MB-WT4.



### 7.3. Mounting on a Desk

When installing the unit on a desk, secure 4 supplied rubber feet to the unit's bottom.



## 8. WIRING TO INFRARED WIRELESS RECEIVER

### 8.1. Wiring Precautions

When multiple infrared wireless receivers have received an infrared signal from the infrared wireless microphone, the reception level increases if the signals input to each receiver are in phase with each other. However, the reception level could decrease if the signals are out of phase.

- To match signal phases, make each corresponding cable the following length:

Cable length from each infrared wireless receiver to the IR-700D :  $M1 + N1 = M2 + N2$

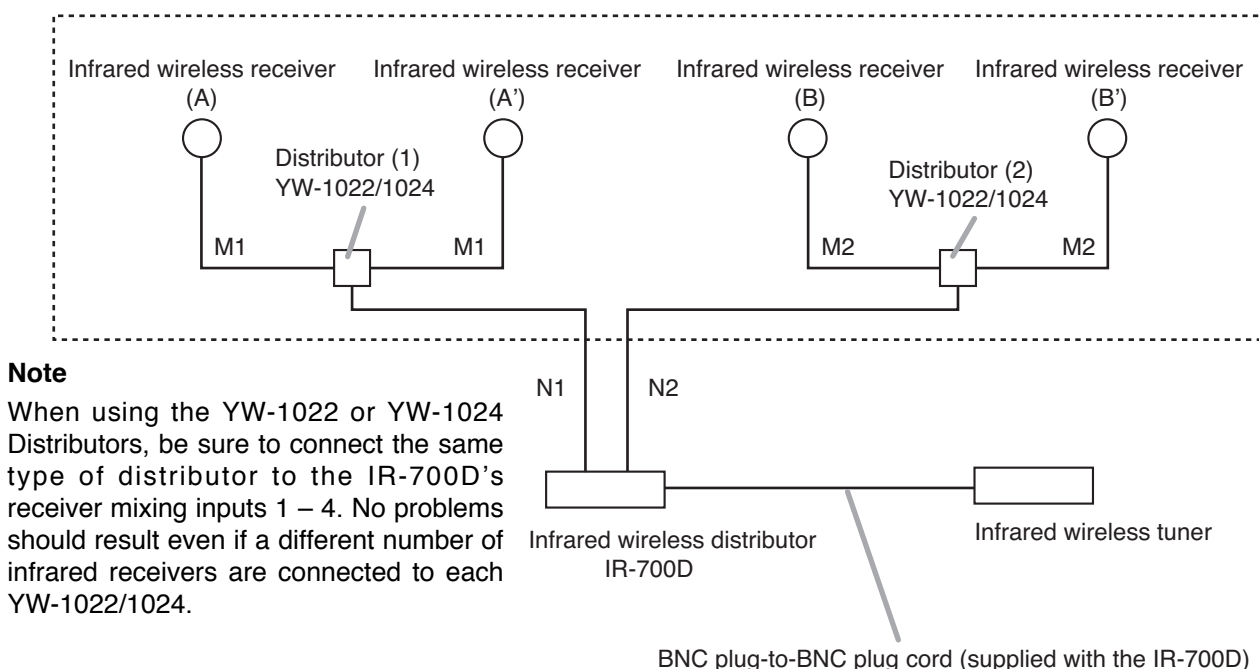
where M1, N1, M2, and N2 are:

M1: Length between Infrared wireless receiver (A or A') and YW-1022/1024 Distributor (1)

N1: Length between YW-1022/1024 Distributor (1) and IR-700D

M2: Length between Infrared wireless receiver (B or B') and YW-1022/1024 Distributor (2)

N2: Length between YW-1022/1024 Distributor (2) and IR-700D



#### Note

When using the YW-1022 or YW-1024 Distributors, be sure to connect the same type of distributor to the IR-700D's receiver mixing inputs 1 – 4. No problems should result even if a different number of infrared receivers are connected to each YW-1022/1024.

- The maximum cable length between each Infrared Wireless Receiver and IR-700D differs depending on the type of coaxial cable to be used.

Take care not to exceed the maximum cable length. (Refer to p. 10 "Supplementary Remarks.")

### 8.2. When Using the Distributor YW-1022/1024

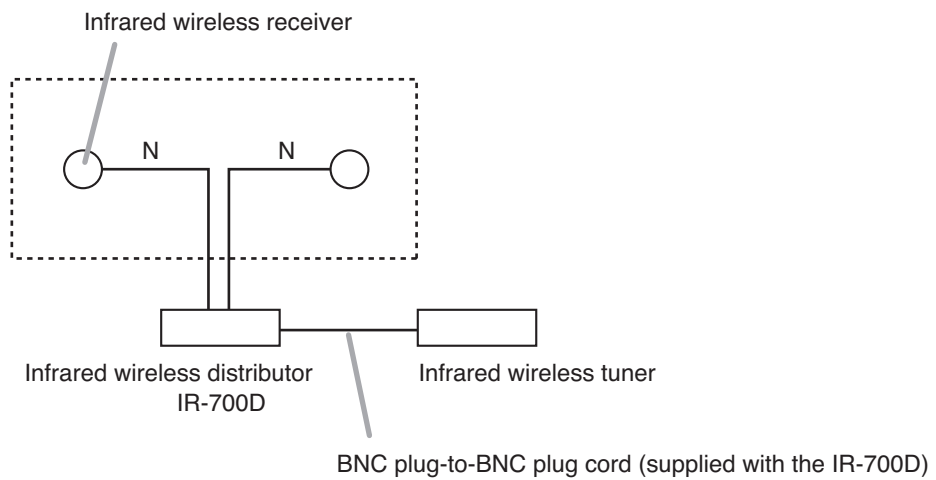
- The YW-1022 is a 2-branch distributor and the YW-1024 is a 4-branch distributor.
- Some idle YW-1024 distribution terminals may result, depending on wiring, however this presents no problem.
- Avoid connecting 2 or more distributors in series. Connecting them in series increases high-frequency signal loss, potentially resulting in system malfunctions.
- Assure that all infrared wireless receivers within the same system are connected through the same type of Distributor. If different types of Distributors are mixed together, or if there are connections both through and around the Distributor, this can narrow the coverage area.



### 8.3. Wiring Examples

#### [Example 1]

When installing multiple infrared wireless receivers in the same location, make all "N" distances (cable length between receiver and IR-700D) equal.

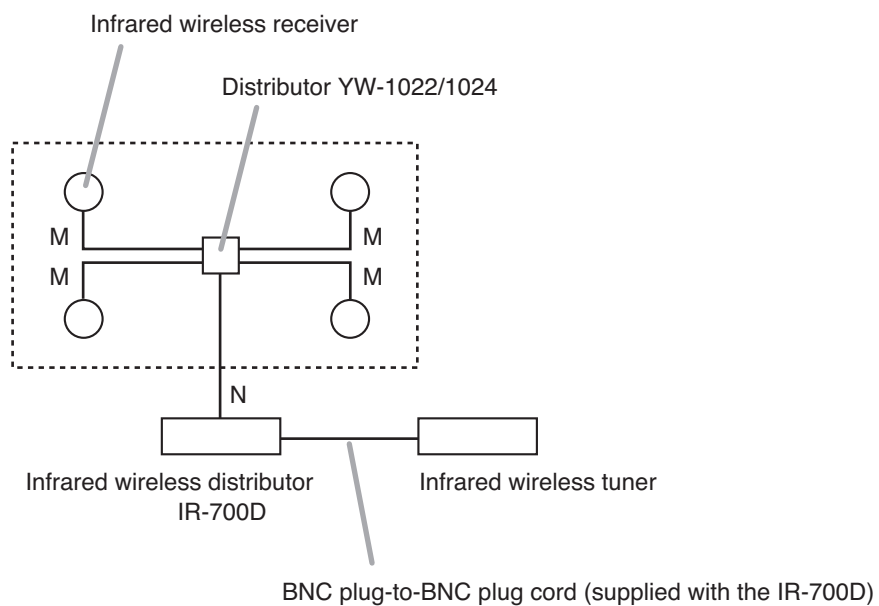


#### [Example 2]

When installing both the infrared wireless receiver and distributor in the same location, make all "M" distances (cable length between receiver and distributor YW-1022/1024) equal.

#### Notes

- To facilitate unification of coaxial cable lengths, it is recommended that wiring from the IR-700D to the distributor YW-1022/1024 should be performed using a single cable.
- The use of coaxial cables cut to an even length that is slightly longer than required easily makes all "M" distances of wiring in the ceiling identical.



## 9. SUPPLEMENTARY REMARKS

### (How to find a maximum cable length from IR-700D to receiver)

Cable distance values here are provided merely as a guide, since such values differ depending on the structure of buildings and environmental conditions of the infrared wireless receiver.

### 9.1. Wiring Design Confirmation

Maximum permissible loss on cable routing must be taken into consideration when calculating wiring between infrared wireless receivers and the tuner. The cable routing loss is caused by distribution loss and cable attenuation, and the sum of both must not exceed 12 dB.

The loss value for each is as follows:

- (1) Loss of the YW-1022 (2-branch distributor): 4.5 dB
- (2) Loss of the YW-1024 (4-branch distributor): 8.5 dB
- (3) Attenuation for 100 m (109.36 yd) of coaxial cable: As shown in the table below.

**Note:** The IR-700D causes no distribution loss.

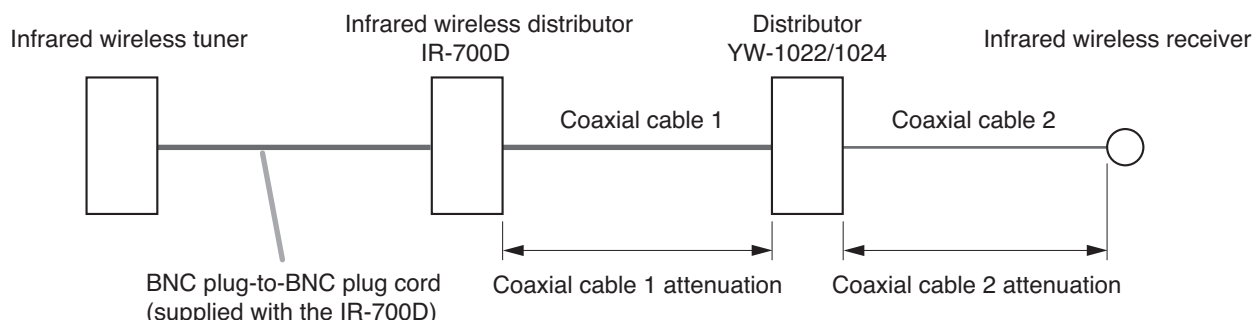
RG-59/U	3.3 dB
RG-6/U	2.7 dB
RG-11/U	2.0 dB

Total attenuation for the connection example illustrated below is as follows:

Cable attenuation = (length/100) x attenuation per 100 m

Total attenuation = Cable 1 attenuation + Cable 2 attenuation + YW-1022/1024 distributor's attenuation

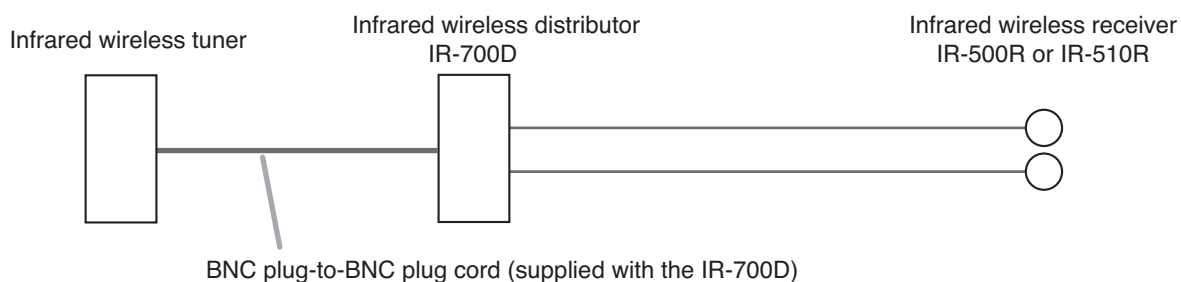
If this total attenuation does not exceed 12 dB, then there should be no problem.



### 9.2. Design Examples

#### [Example 1]

When connecting 2 infrared wireless receivers to a single tuner using 2 coaxial cables



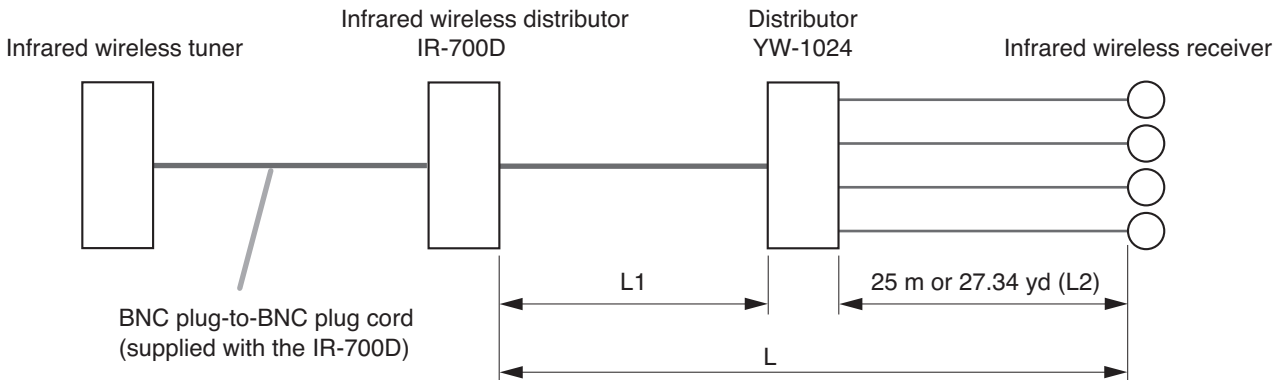
Because no distribution loss is caused by the IR-700D, only the coaxial cable loss determines the maximum cable distance. The table at right shows the relationship of coaxial cable type to maximum cable distance.

RG-59/U	606 m (662.73 yd)
RG-6/U	740 m (809.27 yd)
RG-11/U	1000 m (1093.61 yd)

**[Example 2]**

**When connecting 4 infrared wireless receivers to a single tuner using a single coaxial cable**

Precondition: Cable distance (L2) from the distributor YW-1024 to the receiver is assumed to be 25 m (27.34 yd).



Assuming that the RG-59/U coaxial cable is used in wiring between the YW-1024 and the receiver, the attenuation of this distance is:

$$\text{Attenuation} = 3.3 \text{ dB} \times (25 \text{ m} / 100 \text{ m}) = 0.825 \text{ dB.}$$

Since loss of 8.5 dB results from the YW-1024, the maximum permissible loss from the IR-700D to the YW-1024 stands at 2.675 dB (12 dB – 0.825 dB – 8.5 dB).

If the RG-6/U coaxial cable is used in wiring from the IR-700D to the YW-1024, given the wiring distance between the two is L1,

$$\begin{aligned} L1 &= (\text{coaxial cable attenuation} / \text{coaxial cable attenuation per 100 m}) \\ &= (2.5 \text{ dB} / 2.7 \text{ dB}) \times 100 \text{ m} \\ &= 92 \text{ m (100.61 yd)} \end{aligned}$$

Maximum cable length (wiring distance from the IR-700D to the infrared wireless receiver) can be found from the following equation:

$$\begin{aligned} L &= L1 + 25 \text{ m} \\ &= 92 \text{ m} + 25 \text{ m} \\ &= 117 \text{ m (127.95 yd)} \end{aligned}$$

Similarly, the maximum cable length (wiring distance from the IR-700D to the receiver) calculated relative to the type of coaxial cable used between the IR-700D and the YW-1024 is as shown in the table below:

RG-59/U	348 m (380.58 yd)
RG-6/U	414 m (452.76 yd)
RG-11/U	542 m (592.74 yd)

## 10. SPECIFICATIONS

Power Source	AC mains, 50/60 Hz (supplied from the included AC adapter)
Power Consumption	25 W or less
Input/Output	4 mixing inputs, 2 distribution outputs
Band-Pass Frequency	3.0 – 6.0 MHz
Gain	0 dB ( $\pm 3$ dB)
Infrared Receiver Input	75 $\Omega$ , BNC jack x 4 (Infrared wireless receiver's power source: 24 V DC, 800 mA max. in total of 4 terminals)
Distribution Output	75 $\Omega$ , BNC jack
Operating Temperature	-10 to +50 °C (+14 to +122 °F)
Operating Humidity	30 to 85% RH
Finish	Case: ABS resin, black
Dimensions	210 (w) x 44 (h) x 200.9 (d) mm (8.27" x 1.73" x 7.91")
Weight	640 g or 1.41 lb (unit itself)

**Note:** The design and specifications are subject to change without notice for improvement.

### • Accessories

AC adapter*	1
BNC plug-to-BNC plug cord (50 cm or 1.64 ft)	1
Rubber foot	4

### • Optional products

Rack mounting bracket: MB-WT3  
 Rack mounting bracket: MB-WT4

\* Not supplied with the IR-702T KR. For the usable power supply cord and AC adapter, contact your nearest TOA dealer.

### Traceability Information for Europe (EMC directive 2004/108/EC)

Manufacturer:  
 TOA Corporation  
 7-2-1, Minatojima Nakamachi, Chuo-ku, Kobe, Hyogo,  
 Japan

Authorized representative:  
 TOA Electronics Europe GmbH  
 Suederstrasse 282, 20537 Hamburg,  
 Germany

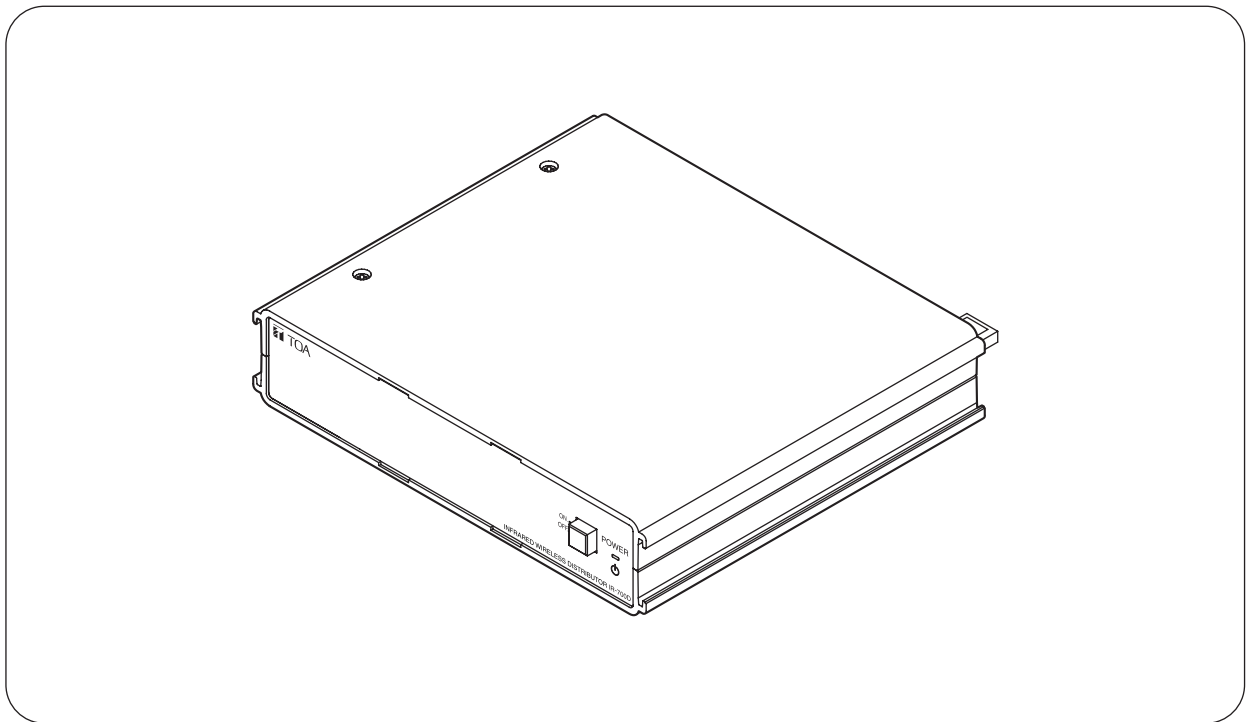




使用说明书

## 红外线分配器

# IR-700D



承蒙您购买TOA红外线分配器。  
请仔细根据本手册的指导使用，以确保设备长期、无故障的运行。

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## 1.安全预防措施

- 安装或使用前，请务必仔细阅读本栏说明，确保正确安全操作。
- 以下所示的注意事项，记录了与安全有关的重要内容，请务必遵守。
- 阅读完毕后，请务必将其妥善保管，以便随时取阅。



**警告**

该标志表示，存在潜在的安全隐患，误操作时可能导致死亡或严重伤害。



**注意**

该标志表示操作不当时，有可能造成中度或轻微的人身伤害和/或财产损失。



**警告**

### 安装设备时

- 请勿将设备置于雨中或可能被水或其他液体浸湿的环境中，否则会引起火灾或触电。
- 仅可在设备指定的电源电压下使用。在超过标示的电源电压下使用可能会引起火灾或触电。
- 请勿剪切、扭绞、损坏或改装电源电缆。此外，请勿在加热器附近使用电源电缆，不得将重物（包括设备本身）放置在电源电缆上，否则会引起火灾或触电。

### 使用设备时

- 如果在使用中出现以下异常情况，请立即切断电源开关，从插座上拔出电源插头，并与离您最近的TOA经销商联系。在此类情况下，请勿继续使用设备，否则可能会引起火灾或触电。
  - 如果设备中产生烟雾或异味。
  - 如果水或任何金属物质进入设备
  - 如果设备摔落或设备外壳破损
  - 如果电源电缆受损（内核暴露，断开等）
  - 运行故障（无音调）
- 为防火灾或触电，请勿打开或拆除设备外壳进行改造。设备内部可能有高压部件。请将维修工作交由合格的维修人员来处理。
- 请勿将茶杯、碗碟或其他液体或金属物容器放置在设备顶部。如果此类物体意外进入设备，则可能引起火灾或触电。
- 请勿在雷电气候中接触插头或天线，否则可能会引起触电。



**注意**

### 安装设备时

- 请勿用湿手插拔电源插头，否则可能会引起触电。
- 当拔下电源电缆时，请确保握住电源插头；不得拉扯电缆本身。使用电源电缆受损的设备则可能引起火灾或触电。
- 当移动设备时，请确保从墙面输出口拆除其电源电缆。在电源电缆与输出口连接的情况下移动设备可能会引起电源电缆损坏，引起火灾或触电。当拆除电源电缆时，请确保握住插头，将其拔下。
- 请勿将设备安装在潮湿或积满灰尘、暴露在阳光直射、靠近灼热器或产生浓烟或蒸汽的位置，否则可能会引起火灾或触电。
- 安装工作寻求购买设备处的经销商来完成。安装需要广泛的技术知识和经验。如果安装有误，可能会导致人身伤害或触电。

### 使用设备时

- 使用设备专用的AC适配器。请注意，使用其他适配器可能会引起火灾。
- 如果在电源插头上或墙面插座中堆积了灰尘，则可能引起火灾。应定期清理。此外，请将插头牢固插入墙面输出口。
- 当设备闲置10天或更长时间不使用时，为确保安全，请关闭电源开关，将电源插头从插座上拔出。否则可能会引起火灾或触电。

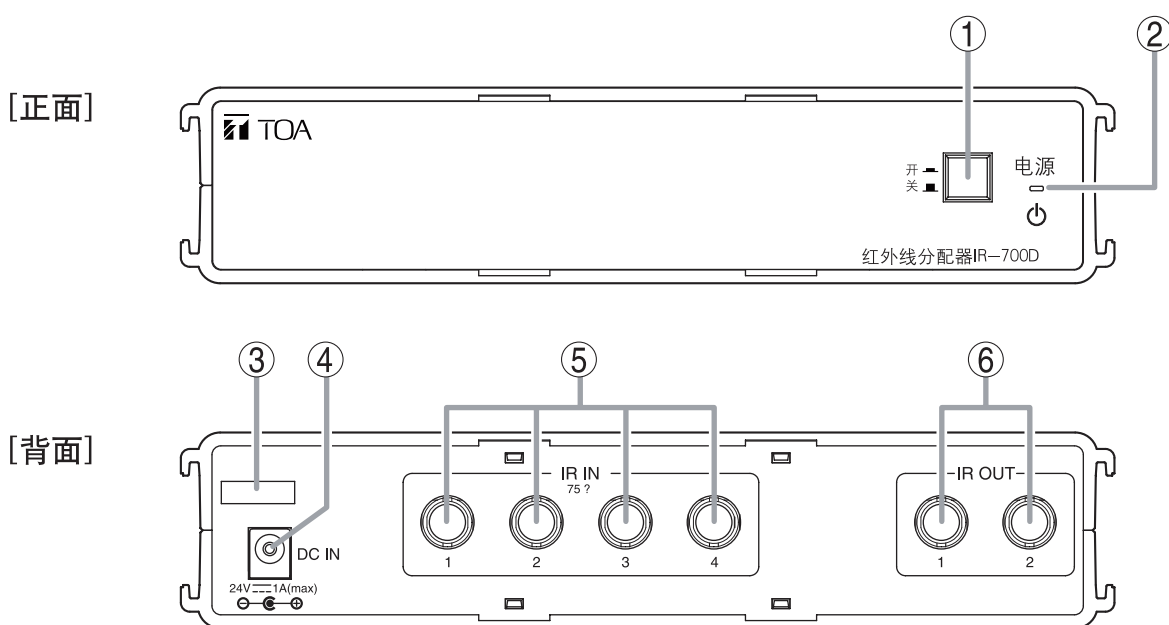
## 2.一般说明

IR-700D是TOA红外线话筒系统中应用的接收机分配器。其采用4个接收机混合输入和2个分配输出。使用IR-700D结合IR-702T红外线调谐器，至多16个红外线接收机可连接至IR-702T。

## 3.使用注意事项

- 将IR-702T安装在离荧光灯、数字设备、PC和其他产生高频率噪音设备尽可能远的位置。
- 对本设备进行清扫时，请务必切断电源，并用干布进行擦拭。对于顽固的污渍使用蘸有中性洗涤剂的布擦拭。绝对不能使用苯、稀释剂或经过化学处理的清洁布等。否则可能会损坏调谐器元件和零件。

## 4.名称和功能



### 1. 电源开关

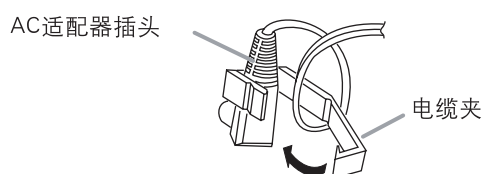
按此开关打开电源。  
要关闭电源，再次按此开关。

### 2. 电源指示器

当电源打开时亮。

### 3. 电缆夹

将AC适配器电缆穿过此夹子以防止插头被拔出。



### 4. DC 插口 [DC IN]

连接随附的AC适配器。

### 5. 接收机混合输入端子[IR IN]

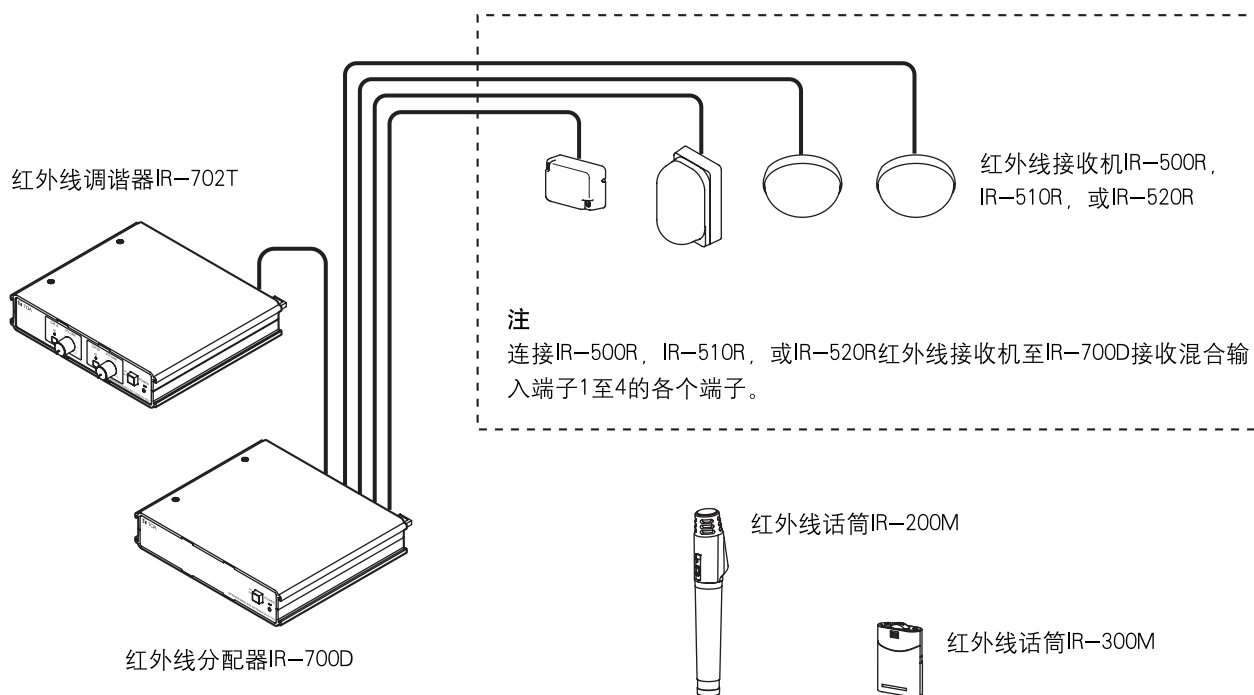
连接红外线接收机或分配器。  
使用选购的YW-1022（2分配器）或YW-1024（4分配器）可连接至多8个红外线接收机。

### 6. 分配输出端子[IR OUT]

连接IR-702T红外线调谐器。



## 5.系统配置示例



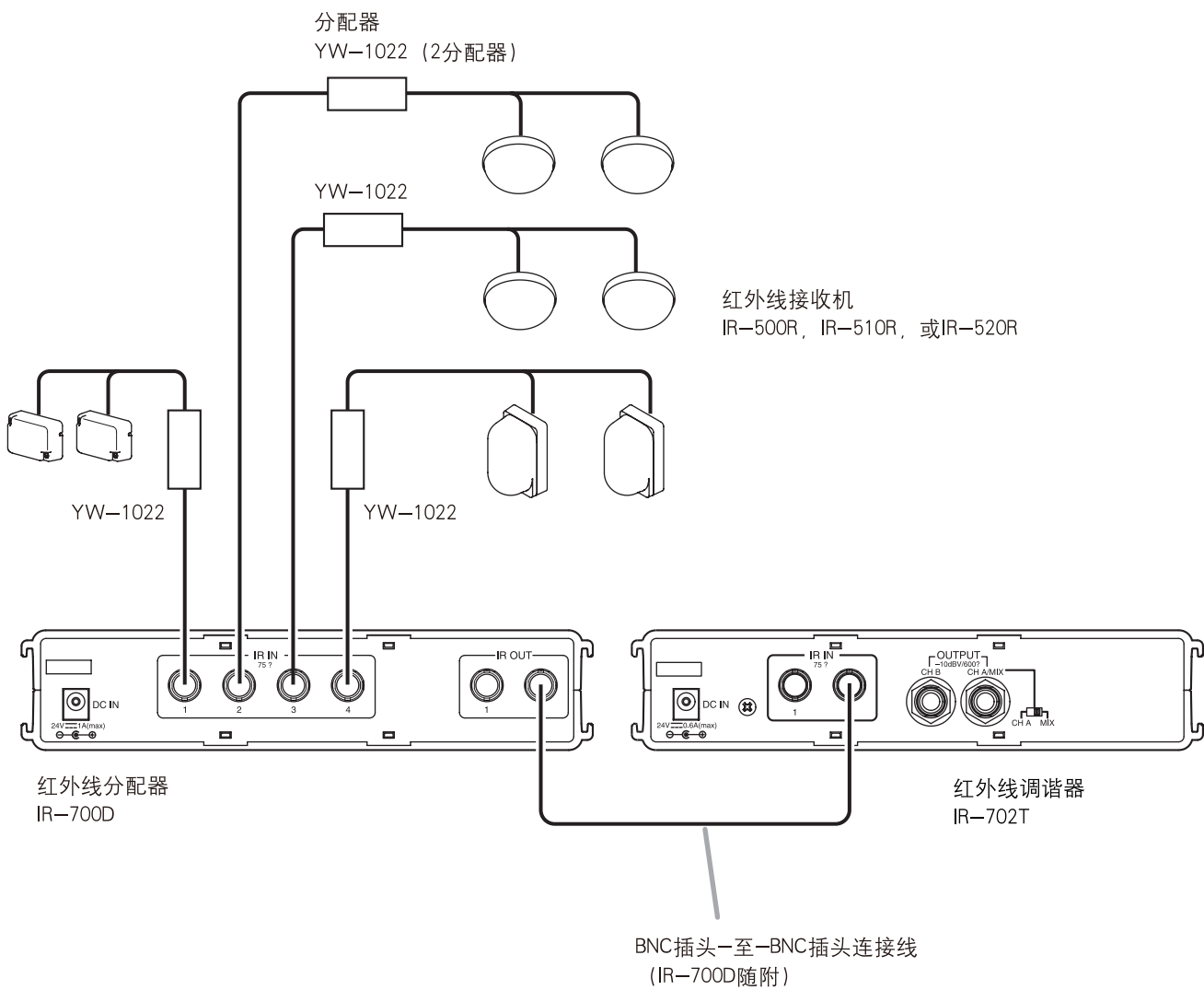
注

1 请勿在同一系统内连接2台以上型号为IR-700D的混合分配器。  
会导致过剩增益，并使系统无法正常运行。

## 6.连接示例

结合IR-700D与IR-702T调谐器一起使用，可增加连接至IR-702T的红外线接收机的数量。

以下连接示例是带有5个或更多接收机连接至IR-702T调谐器的系统。

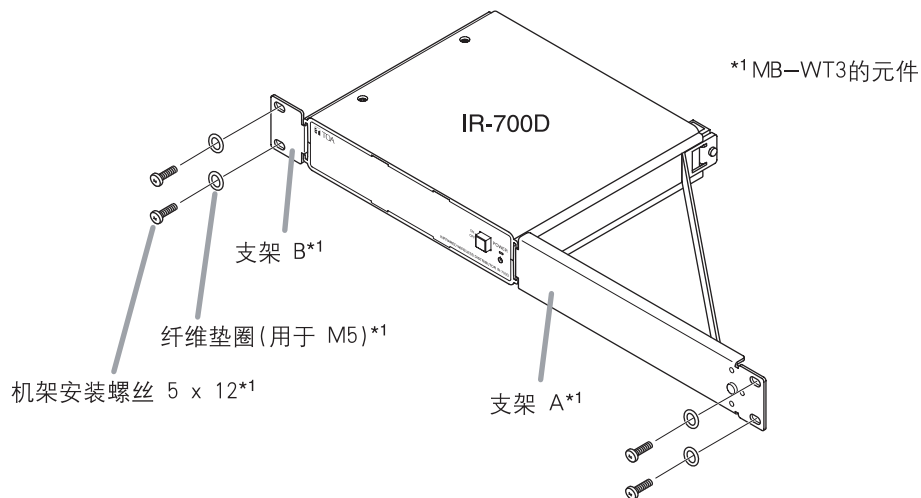


## 7. 安装

### 7.1. 在装置机架上安装单一设备

使用选购的MB-WT3安装支架安装单一的IR-700D设备。

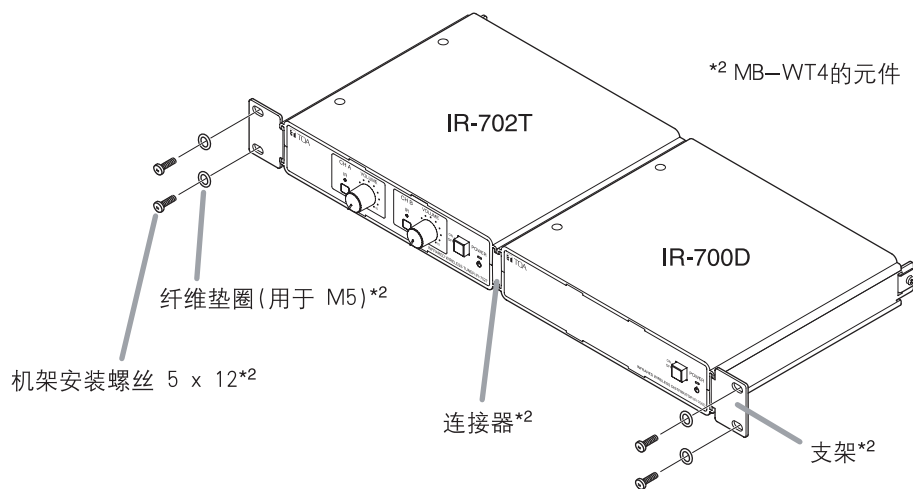
注：有关安装支架的安装信息，请参见MB-WT3附带的使用说明书。



### 7.2. 与IR-702T结合安装在装置机架上

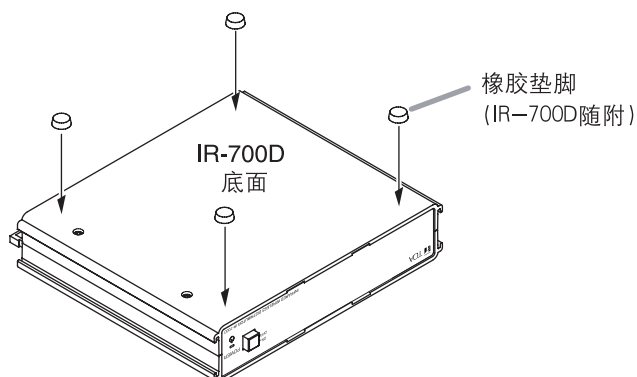
使用选购的MB-WT4机架安装支架。

注：有关MB-WT4安装的信息，请参见MB-WT4附带的使用说明书。



### 7.3. 在桌面上安装

当将设备安装在桌面上时，将4个随附的橡胶垫脚安装在设备的底部。



## 8.红外线接收机配线

### 8.1.配线注意事项

当多个红外线接收机从红外线话筒接收红外线信号时，如果输入到各接收机的信号彼此都在相位之内，则接收电平会增加。但是，如果信号不在相位之内，则接收电平会降低。

- 要匹配相位，使得各对应的电缆为以下长度：

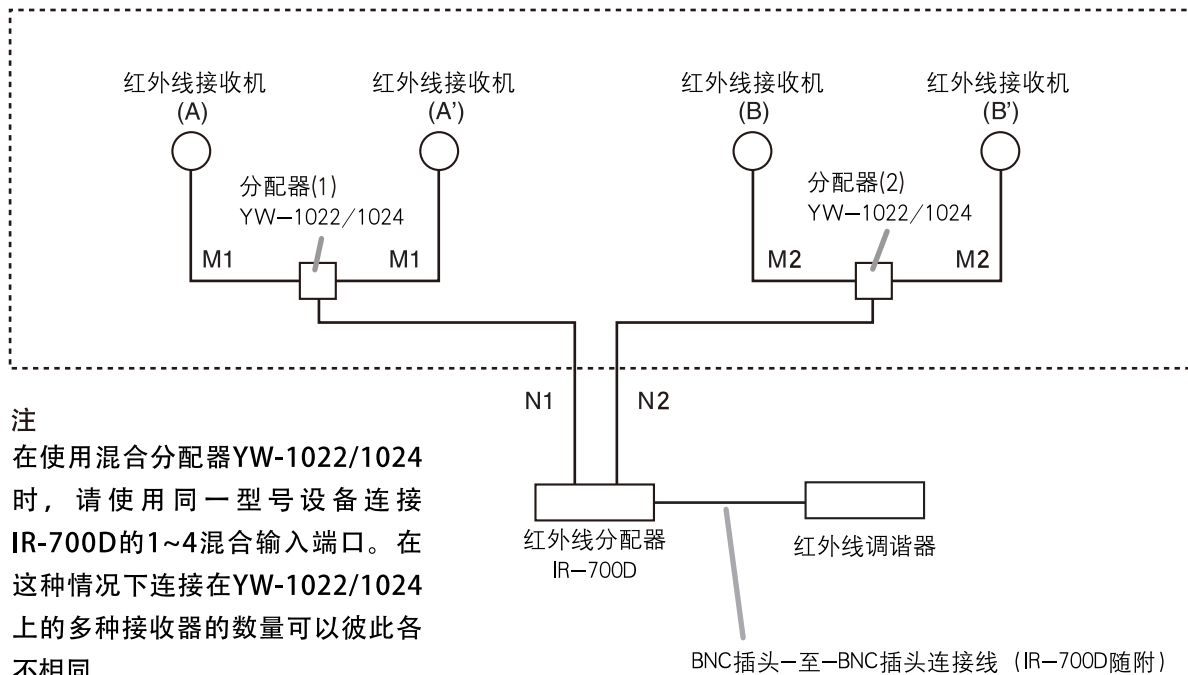
各红外线接收机到IR-700D的电缆长度： $M1 + N1 = M2 + N2$ ，其中M1, N1, M2和N2是：

M1：红外线接收机（A或A'）和YW-1022/1024分配器(1)之间的长度

N1：YW-1022/1024分配器(1)和IR-700D之间的长度

M2：红外线接收机（B或B'）和YW-1022/1024分配器(2)之间的长度

N2：YW-1022/1024分配器(2)和IR-700D之间的长度



- 根据所使用的同轴电缆的类型，各红外线接收机和IR-700D之间的最大电缆长度会存在差异。注意不要超过最大电缆长度。（请参见第10页“补充注意事项”。）

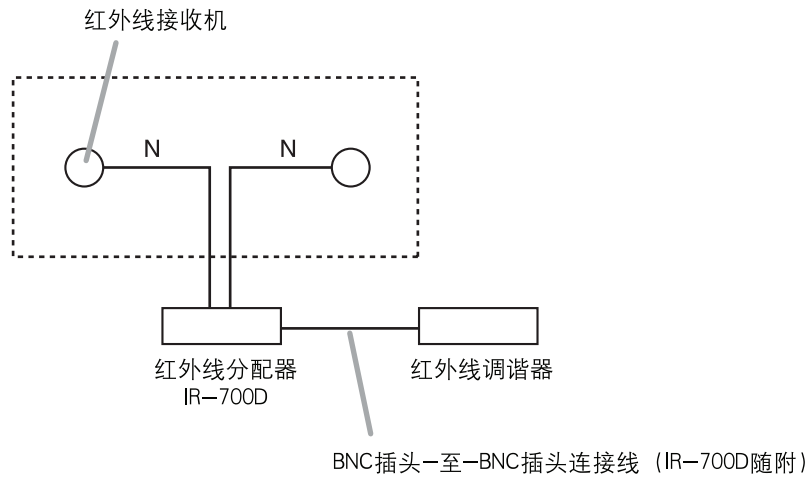
### 8.2.当使用分配器YW-1022/1024时

- YW-1022是2分配器，而YW-1024是4分配器。
- 某些闲置的YW-1024分配端子根据配线不同可能会接触不良，但这并不是故障。
- 避免串联连接2个或多个分配器。串联连接会增加高频信号丢失，可能会导致系统故障。
- 同一系统内的红外接收器，请务必使用相同型号的混合分配器来连接。如果有不同型号的混合分配器混用，或者将连接混合分配器的配线与不连接混合分配器的配线混杂使用的话，就会导致信号覆盖范围减小。

### 8.3.配线示例

#### [示例 1]

当在同一位置安装多个红外线接收机时，使得所有的“N”距离（接收机和IR-700D之间的电缆长度）相同。

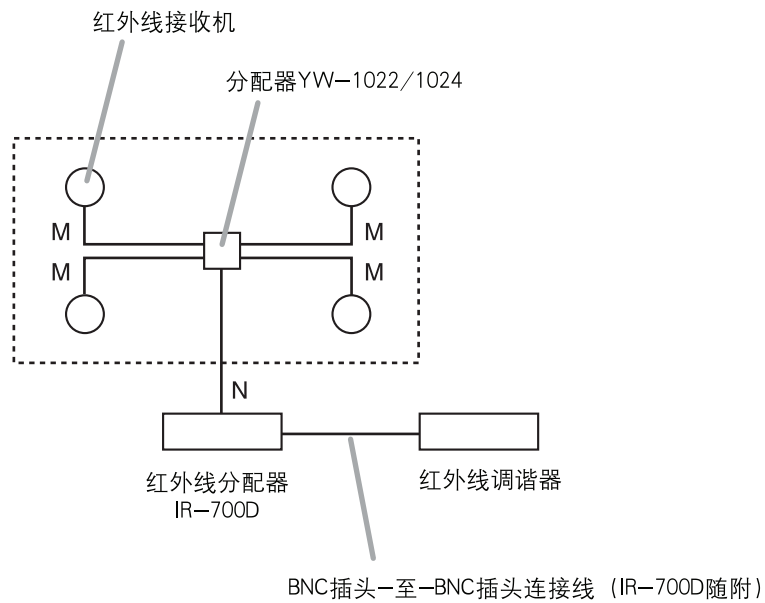


#### [示例 2]

当在同一位置安装红外线接收机和分配器时，使得所有的“M”距离（接收机和分配器YW-1022/1024之间的电缆长度）相同。

#### 注

- 为了便于保持同轴电缆长度的一致性，建议IR-700D至分配器YW-1022/1024的配线应使用单一电缆执行。
- 使用同轴电缆剪切至比所需长度稍长的同等长度会便于实现所有天花板上配线的“M”距离相同。



## 9. 补充注意事项

(如何获取IR-700D至接收机的最大电缆长度)

此处提供的电缆距离值仅作为参考，因为根据建筑物的结构和红外线接收机的环境状况不同，这些值会存在差异。

### 9.1. 配线设计确认

当计算红外线接收机和调谐器之间的配线时，必须考虑电缆路由上的最大允许损耗。电缆路由损耗是由于分配损耗和电缆衰减导致的，两者之和不得超过12 dB。

各损耗值如下所示：

- (1) YW-1022 (2分配器) 损耗: 4.5 dB
- (2) YW-1024 (4分配器) 损耗: 8.5 dB
- (3) 同轴电缆100 m衰减: 如下表所示。

注：IR-700D不会造成分配损耗。

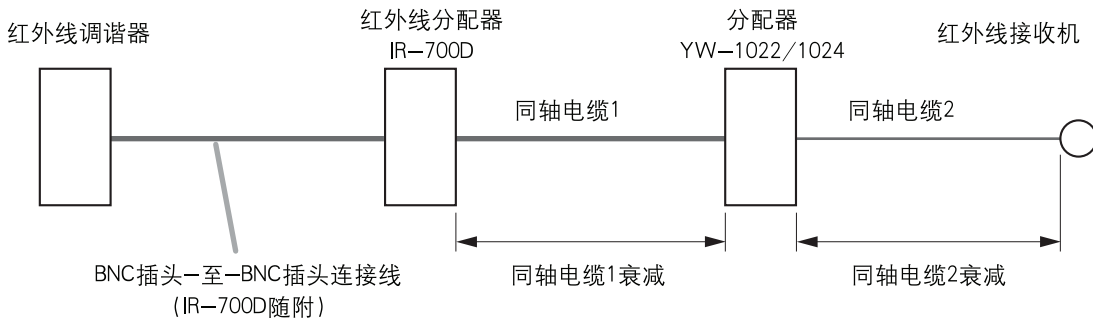
RG-59/U	3.3 dB
RG-6/U	2.7 dB
RG-11/U	2.0 dB

上图连接示例的总衰减如下所示：

电缆衰减 = (长度/100) × 每100 m衰减

总衰减 = 电缆1衰减 + 电缆2衰减 + YW-1022/1024分配器衰减

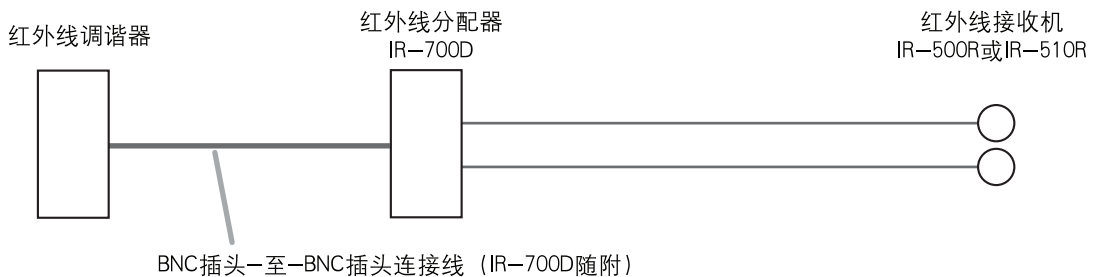
如果总衰减不超过12 dB，则应该没有问题。



### 9.2. 设计示例

[示例 1]

当使用2根同轴电缆连接2个红外线接收机至单一调谐器时



由于IR-700D不会导致分配损耗，仅同轴电缆损耗会决定最大电缆距离。

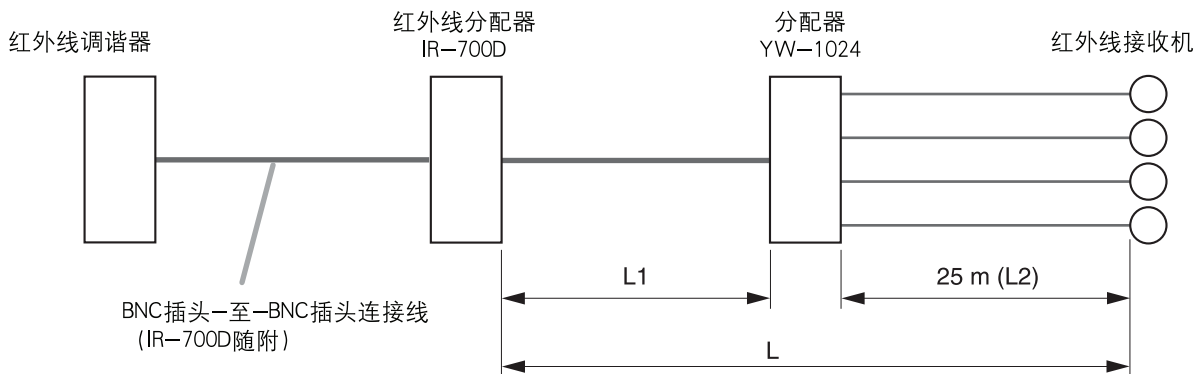
右侧表格显示了同轴电缆类型和最大电缆距离之间的关系。

RG-59/U	606 m
RG-6/U	740 m
RG-11/U	1000 m

[示例 2]

当使用单一同轴电缆连接4个红外线接收机至单一调谐器时

预设条件：分配器YW-1024至接收机的电缆距离（L2）假定为25 m。



假定RG-59/U同轴电缆应用在YW-1024和接收机之间的配线中，此距离的衰减是：

$$\text{衰减} = 3.3 \text{ dB} \times (25 \text{ m}/100 \text{ m}) = 0.825 \text{ dB}.$$

由于YW-1024产生8.5 dB的损耗，IR-700D至YW-1024的最大允许损耗保持在2.675 dB (12 dB - 0.825 dB - 8.5 dB)。

如果RG-6/U同轴电缆应用在IR-700D至YW-1024的配线中，将两者之间的配线距离给定为L1，

$$\begin{aligned} L1 &= (\text{同轴电缆衰减}/\text{每100 m同轴电缆衰减}) \\ &= (2.5 \text{ dB}/2.7 \text{ dB}) \times 100 \text{ m} \\ &= 92 \text{ m} \end{aligned}$$

可从以下等式获取最大电缆长度（IR-700D至红外线接收机的配线距离）：

$$\begin{aligned} L &= L1 + 25 \text{ m} \\ &= 92 \text{ m} + 25 \text{ m} \\ &= 117 \text{ m} \end{aligned}$$

同样，根据IR-700D和YW-1024之间使用的同轴电缆类型而计算的最大电缆长度（IR-700D至接收机的配线距离）如下表所示：

RG-59/U	348 m
RG-6/U	414 m
RG-11/U	542 m

## 10.规格

电源	AC 电源, 50/60 Hz (由随附的AC 适配器供电)
消耗功率	25 W或更少
输入/输出	4个混合输入, 2个分配输出
通带频率	3.0 – 6.0 MHz
收益	0 dB ( $\pm 3$ dB)
红外线接收机输入	75 $\Omega$ , BNC插头 x 4 (红外线接收机电源: DC 24 V, 最大800 mA, 总共4个端子)
分配输出	75 $\Omega$ , BNC插头
运行温度	-10 ~ +50 °C
运行湿度	30 ~ 85% RH
材料	机箱: ABS树脂, 黑色
尺寸	210 (宽) x 44 (高) x 200.9 (深) mm
重量	640 g (仅主机)

注: 设计和规格若有变更, 恕不另行通知。

### • 附件

AC 适配器 .....	1
BNC 插头—至—BNC插头连接线 (50 cm 或 1.64 ft) .....	1
橡胶垫脚 .....	4

### • 选购产品

机架安装支架: MB-WT3

机架安装支架: MB-WT4

