

产品手册

Product Manual

DB 主机+DC 分机系列

DB Host + DC Extension Firing Systems



中 · EN
2026

⚠ 安全警示

- 本系统用于烟花点火控制。烟花燃放具有一定危险性，请由专业人员在安全环境下操作。
- 使用前请仔细阅读本手册，并严格按照操作说明正确使用设备。
- 从开始连接烟花起，请确保人体任何部位不得位于烟花喷射方向或喷射口上方。
- 点火操作前，请确认所有人员已撤离至安全区域，并保持安全距离。
- 操作人员请遵守当地关于烟花燃放的相关法律法规。

⚠ Safety Warning

- The firing system is used for fireworks ignition control. Fireworks displays involve potential hazards and must only be operated by trained personnel in a safe environment.
- Read this manual carefully before use and operate the device strictly according to the instructions.
- From the moment fireworks are connected, ensure that no part of the human body is positioned above or in front of the firing direction.
- Before firing, ensure all personnel have moved to a safe area and remain at a safe distance.
- Operators must comply with local laws and regulations regarding fireworks displays.

系统概述

DB 系列主机搭配 DC 系列分机使用，DB 主机有记忆功能，DC 分机有自检功能，支持多台分机设置为同一编号。一台主机可通过有线或无线连接控制一台或多台分机（最多 100 台）。

基本燃放模式

- **单机点火**（一台主机控制单台或多台相同编码的分机上的 24/36 组）
 - 一对一单点点火
 - 速射（按可调间隔时间顺序燃放）
- **多机特效**（一台主机控制三台及以上不同编码分机上的同一组）
 - 开门（中间向两边）
 - 关门（两边往中间）
 - 从左至右
 - 从右至左
 - 齐上

该系列支持品牌定制与功能定制，满足不同燃放需求。

Overview of the Firing System

DB series hosts are paired with DC series extensions. DB hosts feature memory function, while DC extension include self-test function, multiple extensions can be set to the same number. One host can control one or multiple extensions via wired or wireless connection (max 100 Extensions).

Basic Firing Modes

- **Single-unit firing (One host controls 24/36 channels on one or multiple extensions with the same codes.)**
 - single cue firing
 - sequential firing (firing in sequence with adjustable interval)
- **Multi-unit effects (One host controls a specific channel on three or more extensions with different codes.)**
 - Open Door (Center to sides)
 - Close Door (Sides to center)
 - Left to right
 - Right to left
 - simultaneous firing

This series supports brand customization and function customization to meet different firing requirements.

技术参数

DB 主机

内置电池	3 节 18650 锂电池
充电接口	DC 充电口
电源电压	12V
待机电流	23mA
工作电流	90mA
无线发射距离	≈300m

DC 分机

内置电池	3 节 18650 锂电池
充电接口	DC 充电口
电源电压	12V
待机电流	23mA
工作电流	90mA
无线接收距离	≈300m

- 主机与分机最大有线连接距离：1000m
- 分机连接单个点火头时，连接线长度应 <20m；连接多个点火头时，距离缩短。
- 每组可串联 2-3 个烟花电子点火头。
- 推荐使用有线连接更稳定。

稳定性：有线连接 > L 款无线连接 > 非 L 款无线连接

Technical Specifications

DB Host

Built-in Battery	3pcs 18650 lithium batteries
Charging Port	DC Charging Port
Power Voltage	12V
Standby Current	23mA
Operating Current	90mA
Wireless Transmission Distance	≈300m

DC Extension

Built-in battery	3pcs 18650 lithium batteries
Charging Port	DC Charging Port
Power Voltage	12V
Standby Current	23mA
Operating Current	90mA
Wireless Receiving Distance	≈300m

- Maximum wired connection distance between host and extension: 1000m
- When connecting a single igniter, cable length should be less than 20m. Shorter cable length when connecting multiple igniters.
- Each channel supports 2-3 igniters connected in series.
- Wired connection is recommended for better stability.

Stability: Wired Connection > L-Version Wireless Connection > non-L-version Wireless Connection

主机型号对比 Host Model Comparison

主机型号 Host Model	基础 Basic	升级 Upgraded			
	DB3600W	DB3600WP	DB3600WL	DB3600WFP	DB3600WFL
搭配分机 Compatible with extensions	DC36W DC36WS	DC36WP DC36WSP	DC36WL DC36WSL	DC36WP DC36WSP	DC36WL DC36WSL
功能 Function					
直接选择特效模式 Direct Effect Selection		√	√	√	√
自定义起始分机和结束分机 Adjustable Start Range		√	√	√	√
支持自由组选择 Channel Selection				√	√
无线抗干扰增强 Enhanced wireless anti-interference			√		√

*仅在**有线连接**下，后缀带 P 的主机可控制后缀带 L 的分机，后缀带 L 的主机也可控制后缀带 P 的分机
Only **wired connection**, the Host with the "P" suffix can control Extensions with the "L" suffix, and a Host with the "L" suffix can also control Extensions with the "P" suffix.

分机型号对比 Extension Model Comparison

	DC36W	DC36WS	DC36WP	DC36WSP	DC36WL	DC36WSL
分机可连接编排主机 TX3600-XXX						
Extensions can connected to the			TX3600-P	TX3600-P	TX3600-L	TX3600-L
TX3600-XXX Design Fireworks Show	TX3600	TX3600	TX3600-PY	TX3600-PY	TX3600-LY	TX3600-LY
Hosts			TX3600-PYD	TX3600-PYD	TX3600-LYD	TX3600-LYD

*型号名称带“S”的分机与不带“S”的分机主要区别为点火线夹不同。
Extensions with the suffix “S” differ from standard models mainly in the igniter clip.



不带 S 款分机线夹 Igniter Clip (Non-S)



带 S 款分机线夹 S Version

功能说明

◇直接选择特效模式

- 基础款主机配备单个特效按钮，通过循环切换选择不同特效模式。
- 升级款主机为每种特效分别设置独立按键，可直接选择对应特效，无需切换。

◇可自定义起始分机和结束分机

在多机特效模式下，系统需要设定开始区和结束区以确定参与特效燃放的分机范围。

- 基础款主机的开始区固定为 1 号分机，不可调整。
- 升级款主机支持开始区调整的型号，用户可以根据需要设置起始分机（开始区）和结束分机（结束区）。系统执行多机特效燃放时，将在开始区与结束区之间的分机范围内依次执行燃放。**设置规则：开始区数值必须小于结束区**

◇支持自由组选择

- 非 F 款型号主机 36 组分为三个固定区段：1-12、13-24、25-36。单机点火速射燃放时只能选择一个或多个固定区段。
- F 款型号主机可以选择任意多个连续组速射燃放。例：选择 1 号分机，第 2-5 组速射。

◇无线抗干扰增强

L 款主机与分机配备抗干扰无线模块，可提高无线通信稳定性。无线连接受环境影响，稳定性不如有线连接。

Function Description

◇Direct Effect Mode Selection

- Basic-version hosts are equipped with a single effect button to switch between different effect modes.
- Upgraded-version hosts provide independent buttons for each effect mode, allowing direct selection without switching.

◇Custom Start and Extension Selection

In multi-system effect mode, start and end extension numbers are used to define the firing range.

- Basic-version hosts, the start range is fixed as Extension No.1 and cannot be adjusted.
- Upgraded-version hosts support adjustable start range, the user can set the start extensions (start range) and end extensions as required. **Setting Rule: The Start Extension value must be less than the End Extension value.**

◇Flexible Channel Selection

- In non-F-version hosts, the 36 channels are divided into three fixed sections: 1-12, 13-24, 25-36. During sequence firing in single-system mode, only one or more fixed sections can be selected.
- F-version hosts support flexible channel selection and allow sequence firing across any continuous channel range. Example: Select Extension 1, groups 2-5 for rapid firing.

◇Enhanced wireless anti-interference

L-version host and extensions are equipped with anti-interference wireless modules to improve wireless stability. Wireless connection may be affected by environmental factors and is less stable than wired connection.

燃放模式

单机点火：一台主机控制单台或多台相同编码的分机上的 24/36 组

单机单点	对选定分机的某组进行点火
单机速射	对选定分机的多组按设置的时间间隔进行点火

多机特效：一台主机控制三台及以上不同编码分机上的同一组

开门	按设置间隔时间从中间往两边顺序燃放	↔
关门	按设置间隔时间从两边往中间顺序燃放	→←
左到右	按设置间隔时间从左往右顺序燃放	→
右到左	按设置间隔时间从右往左顺序燃放	→
齐上	多台分机某一组同时燃放	↑

Firing Modes

Single-unit firing: One host controls 24/36 channels on one or multiple extensions with the same codes

single cue firing	Fire a selected channel on selected extension
sequential firing	Sequentially fire multiple channels with preset interval

Multi-unit effects: One host controls a specific channel on three or more extensions with different codes.)

Open Door	Fire sequentially from center to both sides	↔
Close Door	Fire sequentially from both sides to center	→←
left to right	Fire sequentially from left to right	→
right to left	Fire sequentially from right to left	←
simultaneous firing	Fire the same channel simultaneously	↑

使用说明

1. 机器检测

△请不要连接烟花

1.1. 电源检测

主机：打开电源开关，电量指示灯亮，数码管有显示，电源正常；信号指示灯闪，发射信号正常。

分机：打开电源开关，电量指示灯亮，电源正常

主机/分机充电：连接充电器，充电器亮红灯，表示机器正在充电，充电器亮绿灯，充电完毕。

1.2. 分机自检

分机【Safety Switch-安全开关】调到“Fire 点火”位置

分机有自检功能，每次连接点火头前请打开电源自检。
打开电源，36 组对应的 36 个检测灯全部不亮，表示该机器所有点火电路正常；如果某组亮绿灯，则表示该组损坏，禁止使用。

2. 联机

△请不要连接烟花

分机【Safety Switch-安全开关】调到“Test 检测”位置

① 有线联机

用小电线连接主机与分机的接线柱，对码指示灯闪烁，联机成功。无需对码。

② 无线联机

将分机的【Wireless 无线开关】开关拨向“开 ON”→打开主机和分机电源→将主机和分机编号调至一致→长按分机上【Study 对码】按键至指示灯闪烁，再按主机上 1 号按钮→对码指示灯停止闪烁→对码成功。

第二次使用，只需打开【Wireless 无线开关】，无需对码操作。

联机检测

分机【Safety Switch 安全开关】调到“Fire 点火”位置

按主机上各组按钮，分机对应组应亮灯→将主机速射开关全部打开，按主机上速射按钮，分机 1-36 检测指示灯按调节好的时间跑动→联机成功。

3. 连接烟花

分机【Safety Switch 安全开关】调到“Test 检测”位置

连接产品后检测

分机接上产品，对应组指示灯变成红灯，表示该组产品连接正常。

以上步骤适用于该系列所有产品

燃放操作说明

分机【Safety Switch 安全开关】调到“Fire 点火”位置

单机点火

主机处于单机模式下，[Mode 模式]区单机显示灯亮，主机号码设置为需要控制燃放的分机号（多台分机可设置为同一个号码）。

	DB2400W DB3600W	DB3600WP DB3600WL	DB3600WFP DB3600WFL
单点点火	主机红色数字按钮分别对应分机 24/36 组，按下某组直接燃放		① 主机红色数字按钮选择要燃放的某一组 ② 按主机【启动 Start】键燃放
单机速射	① 设置间隔时间 主机[Time(s)速射时间(s)]区：“+”、“-”键设置所需燃放的间隔时间，数码管显示间隔时间。 ② 选择燃放组-固定区段选择 主机[Single Machine 单机]区选择燃放组（1-12、13-24、25-36），选中指示灯变亮。（DB2400W 燃放组为 1-12、13-24） ③ 燃放 按下[Single Machine 单机]区的红色【Sequence 速射】按钮，分机按命令燃放。 时间间隔为 0 时，为多组齐上。	① 设置间隔时间 主机[Time(s)速射时间(s)]区：“+”、“-”键设置所需燃放的间隔时间，数码管显示间隔时间。 ② 选择燃放组-固定区段选择 主机[Single Machine 单机]区选择燃放组（1-12、13-24、25-36），选中指示灯变亮。 ③ 燃放 按下[Single Machine 单机]区的红色【Sequence 速射】按钮，分机按命令燃放。 时间间隔为 0 时，为多组齐上。	① 设置间隔时间 主机[Time(s)速射时间(s)]区：“+”、“-”键设置所需燃放的间隔时间，数码管显示间隔时间。 ② 选择燃放组-自由区间选择 主机数字按钮选择燃放开始组和结束组，选中指示灯变亮。 ③ 燃放 主机数字按钮区选择需要燃放的某多组，按主机【启动 Start】键燃放，分机按命令燃放。 时间间隔为 0 时，为多组齐上。

多机特效

	DB2400W DB3600W	DB3600WP DB3600WL	DB3600WFP DB3600WFL
主机号码设置	多台分机设置为从 1 开始的连续自然数，此时主机号码显示为分机台数，即最后一台分机号。	多台分机设置为连续自然数（可不从 1 开始），此时主机号码开始区为第一台分机号，结束区为最后一台分机号。	
特效燃放	① 设置特效间隔时间 主机[Time(s)速射时间(s)]区：“+”、“-”键设置所需燃放的间隔时间，数码管显示间隔时间。 ② 选择特效模式-单键 [Mode 模式]区红色按钮循环切换特效模式。对应模式指示灯亮起表示当前已选中。 ③ 燃放-数字按钮直接燃放 主机数字按钮区按下需要燃放的某组，分机按命令燃放。	① 设置间隔时间 主机[Time(s)速射时间(s)]区：“+”、“-”键设置所需燃放的间隔时间，数码管显示间隔时间。 ② 选择特效模式-独立按键 [Mode 模式]区按下对应模式按钮即可直接选择特效模式。对应指示灯亮起表示当前已选中。 ③ 燃放-数字按钮直接燃放 主机数字按钮区按下需要燃放的某组，分机按命令燃放。	① 设置间隔时间 主机[Time(s)速射时间(s)]区：“+”、“-”键设置所需燃放的间隔时间，数码管显示间隔时间。 ② 选择特效模式-独立按键 [Mode 模式]区按下对应模式按钮即可直接选择特效模式。对应指示灯亮起表示当前已选中。 ③ 燃放-数字按钮选择 主机数字按钮区选择需要燃放的某一组，按主机【启动 Start】键燃放，分机按命令燃放。

Operating Instructions

1. Systems Check

⚠ DO NOT connect fireworks

1.1. Power Check

Host: Turn ON the power switch. Power indicator ON and digital display active indicate normal power supply; flashing signal indicator indicates normal signal transmission.

Extension: Turn ON the power switch. Power indicator ON indicates normal power supply.

Host/Extension Charging: Connect the charger. Red indicator ON means charging; green indicator ON means charging completed.

1.2. Extension Self-Test

Set the extension 【Safety Switch】 to “Fire” position.

The extension includes a self-test function. Perform self-test before connecting igniters each time.

After turning ON the power, all 36 indicators OFF indicate all firing circuits are normal. If any GREEN indicator is ON, the corresponding channel is damaged and must not be used.

2. Connection

⚠ DO NOT connect fireworks

Set the extension 【Safety Switch】 to “Test” position.

① Wired Connection

Use a connection cable to connect the terminals of the host and extension. Flashing pairing indicator means connection successful. No pairing operation is required.

② Wireless Connection

Set the extension [Wireless Switch] to “ON” → Turn ON the host and extension power → Set the host and extension numbers to the same code → Press and hold the extension [STUDY] button until the indicator flashes → Press number button “1” on the host → Pairing indicator stops flashing → Pairing successful.

For future use, simply turn ON the [Wireless] switch. Re-pairing is not required.

Connection Test

Set the extension 【Safety Switch】 to “Fire” position.

Press the channel buttons on the host, and the corresponding indicators on the extension should light up → Turn ON all sequence switches on the host and press the sequence button → Indicators 1–36 on the extension will light up sequentially according to the preset interval → Connection successful.

3. Connecting Fireworks

Set the extension 【Safety Switch】 to “Test” position.

Connection Check

After connecting igniters, the corresponding channel indicator turns RED, indicating normal connection.

Applicable to all models in this series.

Firing Operation Instructions

Set the extension **【Safety Switch】** to **“Fire”** position.

Single-unit firing

The host is in single-unit mode, the single-machine indicator in the [Mode] section lights up. Set the host number to the extension number to be controlled (multiple extensions can be set to the same number).

	DB2400W DB3600W	DB3600WP DB3600WL	DB3600WFP DB3600WFL
Single Cue Firing	The red number buttons on the host correspond to the 24/36 channels of the extension. Press a channel button to fire directly.		Use the red number buttons on the host to select the channel to be fired → Press the [START] button on the host to fire.
Sequence Firing	① Set Interval Time The host [Time(s)] section: the “+” and “-” buttons to set the firing interval time. The digital display shows the selected interval. ② <u>Select Channels - Fixed Section</u> Select firing sections (1 - 12, 13 - 24, 25 - 36) in the host [Single Machine] section. The indicator lights up when selected. DB2400W, firing sections are 1-12, 13-24. ③ Fire Press the red [Sequence] button in the [Single Machine] section to fire Interval time is set to 0, all selected channels will fire simultaneously.	① Set Interval Time The host [Time(s)] section: the “+” and “-” buttons to set the firing interval time. The digital display shows the selected interval. ② <u>Select Channels - Fixed Section</u> Select firing sections (1 - 12, 13 - 24, 25 - 36) in the host [Single Machine] section. The indicator lights up when selected. ③ Fire Press the red [Sequence] button in the [Single Machine] section to fire Interval time is set to 0, all selected channels will fire simultaneously.	① Set Interval Time The host [Time(s)] section: the “+” and “-” buttons to set the firing interval time. The digital display shows the selected interval. ② <u>Select Channels- Flexible Section</u> Select the required channels using the number buttons, then press [START] to fire. ③ Fire Press the red [Sequence] button in the [Single Machine] section to fire Interval time is set to 0, all selected channels will fire simultaneously.。

Multi-unit effects

	DB2400W DB3600W	DB3600WP DB3600WL	DB3600WFP DB3600WFL
Host Number Setting	Set multiple extensions to continuous numbers starting from 1. The host number display represents the total number of extensions, which is also the number of the last extension.	Set multiple extensions to continuous numbers (not necessarily starting from 1). The host start range is set as the first extension number, and the end range is set as the last extension number.	
Effect Firing	① Set Interval Time The host [Time(s)] section: the “+” and “-” buttons to set the firing interval time. The digital display shows the selected interval. ② <u>Select Effect Mode - Single Button</u> Press the red button in the [Mode] section to cycle through the effect modes. The corresponding indicator lights up to show the currently selected mode. ③ <u>Fire - number button fire directly</u> Press the required channel button in the host number button section, and the extensions will fire according to the command.	① Set Interval Time The host [Time(s)] section: the “+” and “-” buttons to set the firing interval time. The digital display shows the selected interval. ② <u>Select Effect Mode - Independent Buttons</u> Press the corresponding mode button in the [Mode] section to directly select the desired effect mode. The corresponding indicator lights up to show the currently selected mode. ③ <u>Fire - number button fire directly</u> Press the required channel button in the host number button section, and the extensions will fire according to the command.	① Set Interval Time The host [Time(s)] section: the “+” and “-” buttons to set the firing interval time. The digital display shows the selected interval. ② <u>Select Effect Mode - Independent Buttons</u> Press the corresponding mode button in the [Mode] section to directly select the desired effect mode. The corresponding indicator lights up to show the currently selected mode. ③ <u>Fire-number button select</u> Select the required channel in the host number button section, then press the [START] button on the host. The extensions will fire according to the command.

注意

1. 本机为内置锂电池供电，每次燃放后需要充电后保管，每隔一个月请充一次电。
2. 产品不使用时，请关闭电源，以防电池过度放电影响设备性能。
3. 同组连接多个焰火产品时，建议采用串联方式，最多串联 2 - 3 个点火头。请尽量使用同一厂家产品，不同厂家点火头阻值可能存在差异，可能导致点火失败。
4. 请勿将产品放置在潮湿、酸碱等污染环境。

Attention

1. This systems is battery inside, need to charge storage after each set off, every month to charge one time.
2. Turn OFF the power when the device is not in use to prevent excessive battery discharge and performance reduction.
3. When connecting multiple fireworks products to the same channel, series connection is recommended, with a maximum of 2-3 igniters. Use products from the same manufacturer whenever possible, as differences in igniter resistance may cause firing failure.
4. Do not place the device in humid, acidic, alkaline, or other contaminated environments. Do not place the equipment in a polluted environment such as moisture, acid or alkali.