

USER MANUAL

DS18
TECHNOLOGIES

**COMBO SOUND
CONTROL**

SWLDC1.2



WE LIKE IT LOUD!



SWLDC1.2

COMBO SOUND CONTROL

PRESENTATION

The SWLDC1.2 combo steering wheel control lets you control the main functions of the player through two transmitters and one receiver.

Transmitter (A) remote control with a range of 1200 meters in an open area (aimed), the transmitter (B) can be easily attached to the steering wheel of the car, allowing sound control safely while driving.

OPERATION

Transmitter Unit:

Whenever an o button is pressed, an RF (radio frequency) signal will be transmitted to the receiving unit.

Receiving Unit:

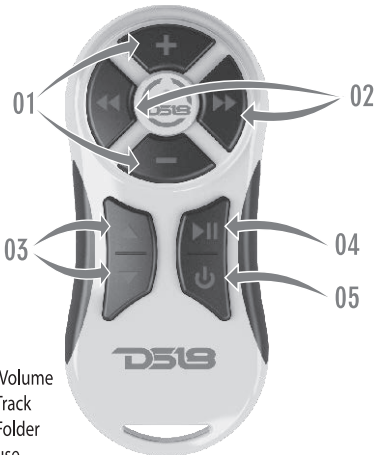
The "led action" will light up indicating the presence of the received signal, and will transmit the code corresponding to the key pressed in IR (infra red). The receiver can operate with two transmitters by performing steps 1 and 2 of "CODING THE CONTROL" for the new transmitter.

NOTES IMPORTANT

- 1 - The control unit will not function if the coding procedure is not performed.
- 2 - To avoid interference, install the receiver in a location where the antenna is near the panel and at least 50cm away from the car alarm receiver.

BASIC INDICATIONS AND COMMANDS

Control A:



01- Controls Volume

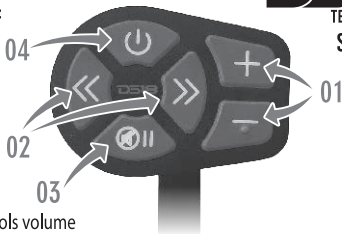
02- Change Track

03- Change Folder

04- Play / Pause

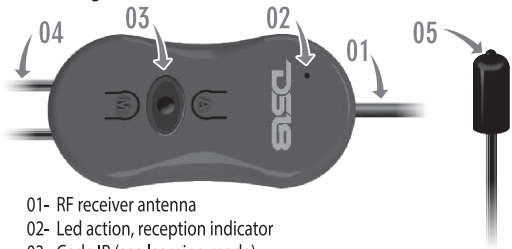
05- Power / Function (switches to aux, cd, usb, radio, etc.)

Control B:



- 01 - Controls volume
- 02 - Change of track and / or radio station
- 03 - Pause or mute
- 04 - Change of function (switches to aux, cd, usb, radio, etc.)
pressing with quick tap, turns off with long press

Receiving Unit:



- 01- RF receiver antenna
- 02- Led action, reception indicator
- 03- Code IR (see learning mode)
- 04- Power supply 12v (black white stripe) and GND (black)
- 05- Infrared transmitter (point to the front of the player)

CODING THE CONTROL

LEARN MODE (Learn the functions of the original control)

Control A:

1. Press the "A" button in Receiving Unit (Indicator 1, Fig. 2), the action led will be steadily on.
2. Press the button of Control A (Indicator 2, Fig. 2), which you wish to record, until the "led action" (indicator 3, Fig. 2) flashes.
3. Point the original control of the player to the code IR input and press the key you want to record (Note 4, Fig. 2) until the action LED blinks rapidly, and then steadily on.
4. Repeat step 2 and 3 for the other keys functions.
5. After completing this process, press the "A" key (Indication 1, Fig. 2) on the receiver or wait 10 seconds to exit the mode.

Control B:

1. Press the "A" button in Receiving Unit (Indication 1, Fig. 2), the "led action" will be steadily on.
2. Repeat step 2 and 3 by recording any of the keys recorded on control 1.

MEMORY MODE (The receiver has stored in its memory the codes of the main models of "player" (see the attached table)).

Control A:

1. Press the "M" key (Note 5, Fig. 2), the action led will be steadily lit;
2. Press the keys on control A (Indicator 2, Fig. 2) corresponding to the model of the player, according to the table. Example: If you want to program the SONY CD, you must perform step 1 and then press the keys sequentially,  +  - control A. Verify that the led will blink 1 time and then 4 times, indicating that model 14 (Sony) has been programmed.
3. After completing this process, press the "M" key (Indication 5, Figure 2) on the receiver or wait 10 seconds to exit the mode.

Control B:

Repeat steps 1 and 2 of memory mode, for the same model of "player" made in control A.

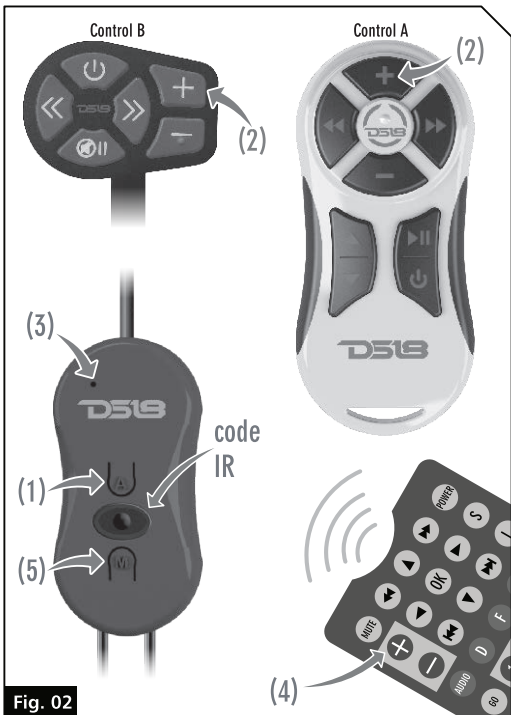


Fig. 02

CODE TABLE 01 MEMORY MODE



SWLDC1.2

NOTE: Keys that must be pressed simultaneously: (◀ ▶) (+ -)

MODEL	CODE	INDICATOR NUMBER
AIKON - SRC (UP)	⏻ - + ✓	43
AR70	⏻ + + ◀	05
BOOSTER KIT MULTIMEDIA - SRC (UP)	⏻ - + ^	42
BOOSTER 01	⏻ + ^ ◀	29
BOOSTER 02	⏻ + ^ ▶	28
BOOSTER 03	⏻ + ▶ ▶	22
BOOSTER 7550, 7650	⏻ + ^ -	26
BOOSTER 7950, 7680, 6850	⏻ + ▶ -	20
BOOSTER 8400	⏻ + ▶ +	21
CYBER1	⏻ + ^ -	26
CYBER2	⏻ + ^ ◀	29
CYBER3	⏻ + ^ ^	30
DSW AUTOMOTIVE DS8705	⏻ - + +	39
GO TO - MODE (UP)	⏻ - - +	45
HBD D2000AV / HBD D3000AVN	⏻ - + ◀	41
HBD 7900 AV - MODE (UP)	⏻ - - ◀	47
HBD 8300 BT - MODE (UP)	⏻ - - ▶	46
HBD 9560 - DVD - SRC (UP)	⏻ - - -	44
HB3000	⏻ + + +	03
HB4000	⏻ + + ▶	04
HB5100	⏻ + + ◀	05
HB5000, HB6000, HB7200, HB8100	⏻ + + ^	06
HB7100	⏻ + + ✓	07
HB8000	⏻ + ^ ✓	31
HB9150	⏻ + - ▶	10
HB9700	⏻ + - ✓	13
HB9750	⏻ + - ^	12
HBDVD	⏻ + - -	08
HBD9200	⏻ + - ◀	11

CODE TABLE 02 MEMORY MODE

DSB TECHNOLOGIES **SWLDC1.2**

NOTE: Keys that must be pressed simultaneously: (◀ ▶) (+ -)

MODEL	INDICATOR NUMBER	
	CODE	
HBD9500, HBD9550AVN, HBD9600AW	⏻ + - ^	12
JVC	⏻ + + -	02
KENWOOD KDC MP2045V	⏻ + ◀ ▼	19
LG	⏻ + ▼ ◀	35
NAPOLI 9000	⏻ + ▶ -	20
NAPOLI 9905	⏻ + ▶ +	21
NAPOLI 8480	⏻ + ▶ ▶	22
NAPOLI 1950, 9981	⏻ + ▶ ◀	23
NAPOLI 4203, 4335, 5333	⏻ + ▶ ^	24
NAPOLI 9912, 9913	⏻ + ▶ ▼	25
NAPOLI 9975, 9485, 9486, 9985	⏻ + ^ -	26
NAPOLI 9480	⏻ + ^ +	27
NAPOLI 5333, 5133	⏻ + ^ ▶	28
NAPOLI 8787	⏻ + ▼ +	33
SONY	⏻ + ◀ -	14
SONY+	⏻ + ◀ +	15
PANASONIC	⏻ + ▼ -	32
PHILCO CD230	⏻ + ◀ ▶	16
PHILCO DVD500	⏻ + ◀ ◀	17
PHILIPS	⏻ + ◀ ^	18
PIONEER	+	01
PIONEER DVH-7380AV	⏻ - - ^	48
POSITRON SP3110	⏻ - + ▶	40
POSITRON SP4120AV	⏻ + ▼ ▼	37
ROADSTAR RS-4136	⏻ + ▶ ^	24
ROADSTAR RS-3750BR	⏻ - - ▼	49
ROADSTAR RS-2709BR	⏻ - ◀ -	50
ROADSTAR RS-2601BR	⏻ - ◀ +	51
WEBOS 1300 - MODE (UP)	⏻ - - +	45

CONTROL INSTALLATION

I - Select the Player model in the control memory (see MEMORY MODE) or learn the code using the original control of the player (see LEARN MODE). These steps are described in the topic CODING THE CONTROL.

II - Position the control in the region where it will be installed (Fig. 03).

III - Clean the whole region where the control will be installed, including the side of the transmitter, with alcohol until it is free of impurities, this procedure must be done carefully to ensure a perfect installation and operation of the control (Fig. 04).

IV - Remove the protective paper from the adhesive partially and stick the control in the previously chosen position (Fig. 05).

V - Remove the protector from the velcro adhesive and attach the transmitter behind the steering wheel underneath it (Fig. 06).

VI - Loosen the Velcro, remove the remaining protective paper from the adhesive and reattach the Velcro (Fig. 07).



Fig. 03

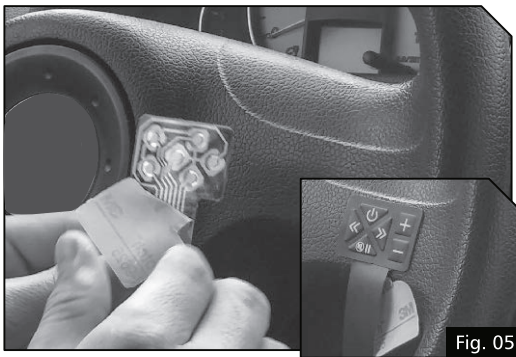




Fig. 06



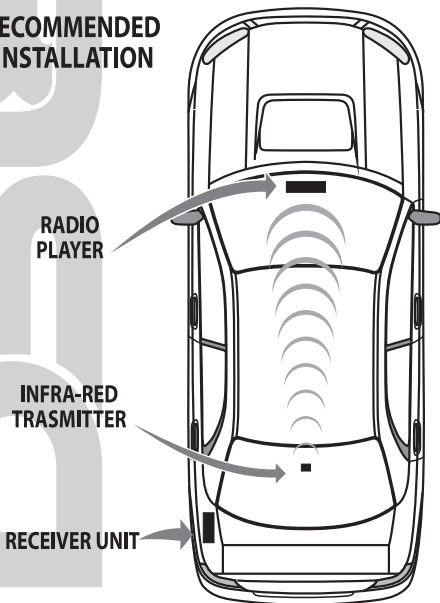
Fig. 07

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RECOMMENDED INSTALLATION



RECOMMENDATIONS AND OBSERVATIONS

1. To avoid interference, install the receiver in a location where the antenna is near the panel and at least 50cm away from the car alarm receiver.
2. For greater reach, the antenna should be kept taut and in place that is both visual and distant from the car bodywork.
3. Supply the receiver unit with 12V.

TECHNICAL CHARACTERISTICS

Name of transmitter control A	LDC1.2T
Name of transmitter control B	SWC1.2
Transmitter power supply A	12V - A23 Battery
Transmitter power supply B	3V - CR2032 Battery
Receiver power	9 to 16Vdc
Operating Frequency	433.92 MHz
Modulation	ASK

SERVICE WARRANTY

Should your LDC1.2 require service please consult with the dealer from which it was purchased, or DS18 Local Dealer.

Do not attempt to return your LDC1.2 directly to us without first calling for a Return Authorization Number.

Units received without an accompanying Return Authorization Number will be processed slower.

Additionally, you must include a copy of your purchase receipt from an authorized dealer for consideration of in-warranty service; otherwise repair charges will apply.

Units received without a receipt will be held for 30 days, all units will be returned to you, unrepared.

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