



www.DEWALT.com

DWST1-75663

DWST1-75664



Fig. A

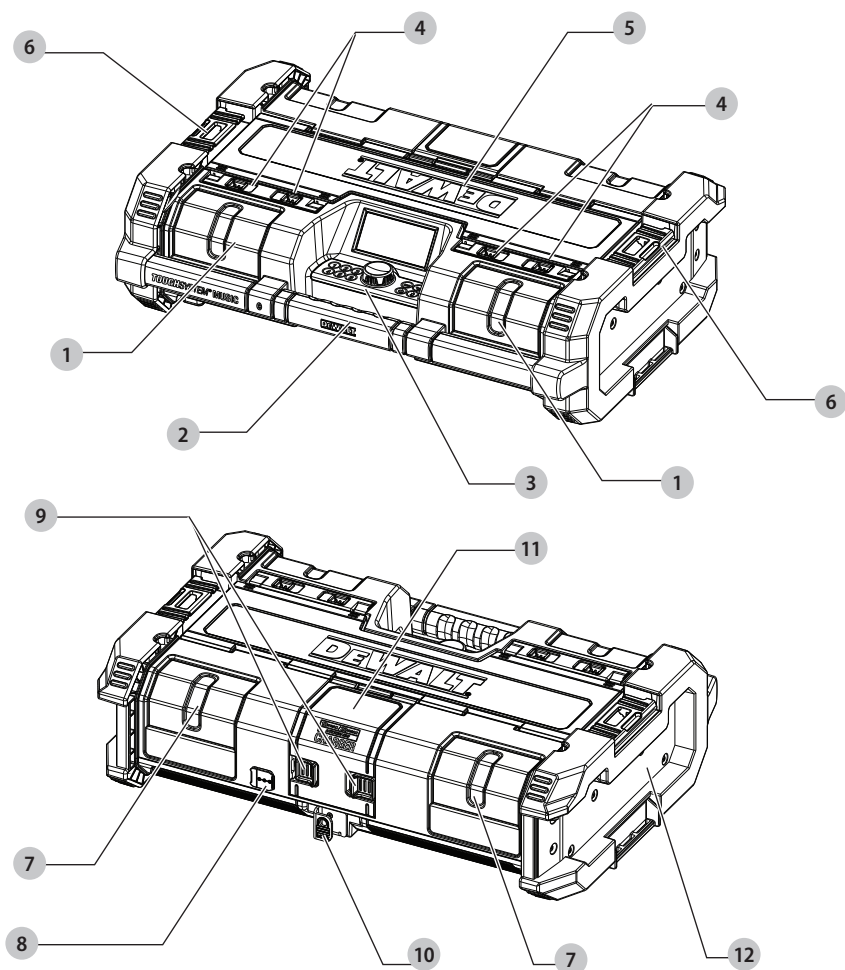


Fig. B

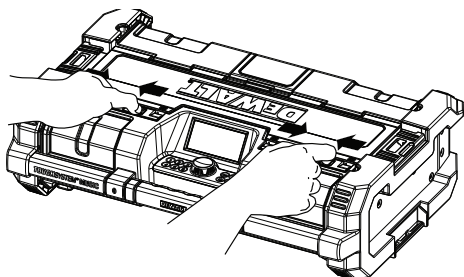


Fig. C

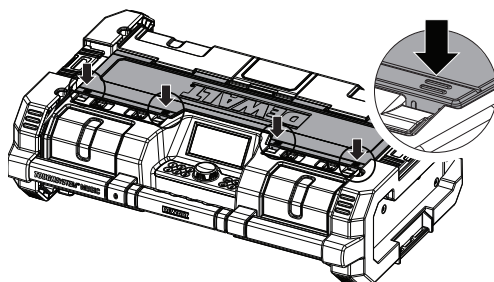


Fig. D

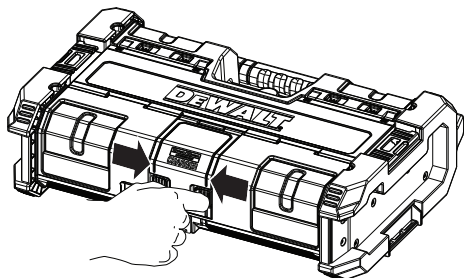


Fig. E

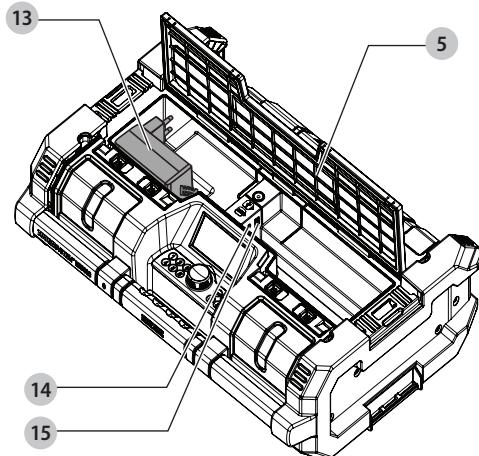


Fig. F

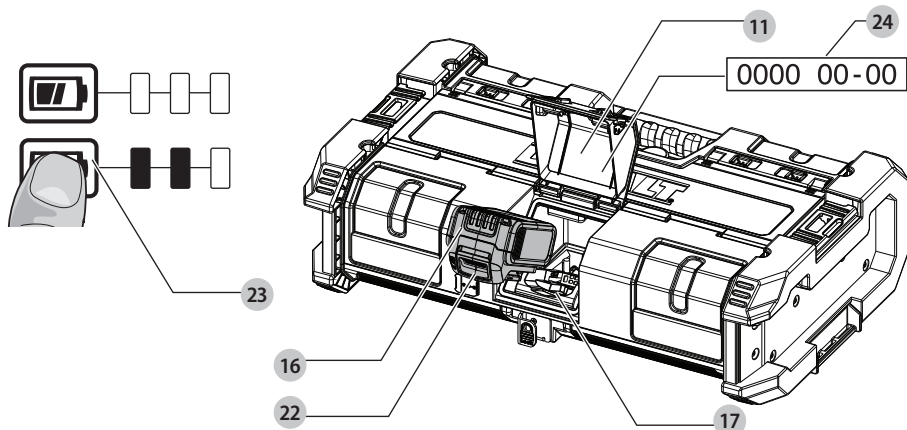


Fig. G

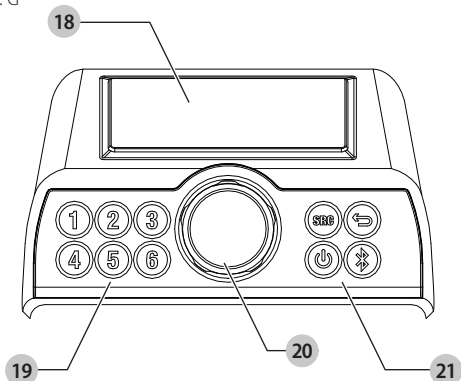


Fig. H



TOUGHSYSTEM® MUSIC + CHARGER

DWST1-75663, DWST1-75664

Congratulations!

You have chosen a DEWALT tool. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

	DWST1-75663	DWST1-75664
Power Supply (AC/DC Power Adaptor)		
Model	S048HM2400200	
Input voltage (Class II)	V _{AC}	100–240
Input AC frequency	Hz	50/60
Output voltage	V _{DC}	24
Output current	A	2
Output power	W	48
Average active efficiency	%	>87.77
Efficiency at low load (10%)	%	>84.4
No-load power consumption	W	< 0.1
Weight	kg	0.3
Appliance		
Battery voltage	V _{DC}	10.8/12/18
Power input	V _{DC}	24
Power output (USB Type A)	A	1
	V	5
IP Rating	IP54*	
Weight (without battery pack)	kg	6.9
Stacking weight (gross)	kg	60
*Protects from worksite dust, debris and light rain		
Audio characteristics		
Audio source	DAB+/FM, 3.5 mm	
	Auxiliary input jack, Bluetooth	
Sound SPL	100 dB @ 1 m	
Sound power (class D)	W	40
Operation time	8 hours (approx.) for a fully-charged Premium 18 V Li-ion battery	

EU-Declaration of Conformity

Radio Equipment Directive



ToughSystem® Music + Charger DWST1-75663, DWST1-75664

DEWALT hereby declares that the DEWALT Radio DWST1-75663, DWST1-75664 is in compliance with the Directive 2014/53/EU and to all applicable EU directive requirements.

The full text of the EU declaration of conformity can be requested at DEWALT, Richard-Klinger-Straße 11, 65510, Idstein, Germany or is available at the following internet address:

www.2helpu.com Search by the Product and Type Number indicated on the nameplate.



WARNING: To reduce the risk of injury, read the instruction manual.

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.



DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.



WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.



CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.



Denotes risk of electric shock.



Denotes risk of fire.

Important Safety Instructions Radio/Charger



The lightning flash with arrow head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the user manual supplied with the appliance.



WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to direct rain or moisture. Use only in dry locations.

Batteries				Chargers/Charge Times (Minutes)									
Cat #	V _{DC}	Ah	Weight (kg)	DCB104	DCB107	DCB112	DCB113	DCB115	DCB116	DCB117	DCB118	DCB132	DCB119
DCB181	18	1.5	0.35	22	70	45	35	22	22	22	22	22	45
DCB182	18	4.0	0.61	60/40**	185	120	100	60	60/45**	60/40**	60/40**	60	120
DCB183/B/G	18	2.0	0.40	30	90	60	50	30	30	30	30	30	60
DCB184/B/G	18	5.0	0.62	75/50**	240	150	120	75	75/60**	75/50**	75/50**	75	150
DCB185	18	1.3	0.35	22	60	40	30	22	22	22	22	22	40
DCB187	18	3.0	0.54	45	140	90	70	45	45	45	45	45	90
DCB189	18	4.0	0.54	60	185	120	100	60	60	60	60	60	120

*Date code 201811475B or later

**Date code 201536 or later

CAUTION: To prevent electric shock, match the wide blade of the adaptor plug to the wide slot and fully insert.

1. Read these instructions.
2. Keep these instructions.
3. Pay attention and follow all warnings.
4. Follow all instructions.
5. DO NOT use this appliance near water.
6. Read and understand all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
7. This appliance shall not be exposed to direct water and no objects filled with liquids, such as bottles, shall be placed on the appliance.
8. Clean only with a dry or damp cloth.
9. To protect the appliance from water or dust, always close the compartment cover, and the rubber cover of the DC power input port.
10. Use in accordance with the manufacturer's instructions.
11. DO NOT place near any naked flame sources, such as lighted candles, heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
12. Protect the power cord from being walked on or pinched particularly at plug and receptacle.
13. Only use attachments/accessories specified by the manufacturer.
14. When a cart is used, use caution when moving the cart/appliance combination to avoid injury from tip-over. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
15. The AC/DC power adaptor should only be used as the power source for the appliance and for battery charging. To disconnect the appliance completely, the AC/DC power adaptor should be disconnected from the outlet.
16. Unplug this appliance during lightning storms or when unused for long periods of time.
17. The AC/DC power adaptor should be easily accessible and not obstructed while in use.
18. Refer all servicing to qualified service personnel. Servicing is required when the appliance has been damaged in any way, such as power-supply cord or plug is damaged, liquid or direct

rain has reached the connectors, the appliance has been exposed to extensive moisture, does not operate normally, or has been dropped and does not operate.

19. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
20. Children should be supervised to ensure that they DO NOT play with the appliance.
21. Cleaning and user maintenance shall not be made by Children without supervision
22. Use only with specifically designated DEWALT battery packs (see **Battery Type** for DEWALT-approved battery packs). Use of any battery packs other than those approved by DEWALT may create a risk of injury and fire.
23. **The radio/charger is designed to operate on 24 V_{DC}. Do not attempt to use it with any other power supply AC/DC power adaptor other than that supplied with the appliance.**
24. This product is intended for use only with the adaptor provided.



Brand name: DEWALT

Model: S048HM2400200



The double insulation symbol (a square within a square) indicates a Class II electrical appliance and is intended to alert qualified service personnel to use only identical replacement parts in this appliance.

Chargers

DEWALT chargers require no adjustment and are designed to be as easy as possible to operate.

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the battery pack voltage corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.



Your DEWALT charger is double insulated in accordance with EN60335; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced only by DEWALT or an authorised service organisation.

Mains Plug Replacement (U.K. & Ireland Only)

If a new mains plug needs to be fitted:

- Safely dispose of the old plug.
- Connect the brown lead to the live terminal in the plug.
- Connect the blue lead to the neutral terminal.



WARNING: No connection is to be made to the earth terminal.

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 3 A.

Using an Extension Cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see **Technical Data**). The minimum conductor size is 1 mm²; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

Important Safety Instructions for All Battery Chargers

SAVE THESE INSTRUCTIONS: This manual contains important safety and operating instructions for compatible battery chargers (refer to **Technical Data**).

- Before using charger, read all instructions and cautionary markings on charger, battery pack, and product using battery pack.



WARNING: Shock hazard. Do not allow any liquid to get inside charger. Electric shock may result.



WARNING: We recommend the use of a residual current device with a residual current rating of 30mA or less.



CAUTION: Burn hazard. To reduce the risk of injury, charge only DEWALT rechargeable batteries. Other types of batteries may burst causing personal injury and damage.



CAUTION: Children should be supervised to ensure that they do not play with the appliance.

NOTICE: Under certain conditions, with the charger plugged into the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.

- **DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual.** The charger and battery pack are specifically designed to work together.

- **These chargers are not intended for any uses other than charging DEWALT rechargeable batteries.** Any other uses may result in risk of fire, electric shock or electrocution.
- **Do not expose charger to rain or snow.**
- **Pull by plug rather than cord when disconnecting charger.** This will reduce risk of damage to electric plug and cord.
- **Make sure that cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.**
- **Do not use an extension cord unless it is absolutely necessary.** Use of improper extension cord could result in risk of fire, electric shock, or electrocution.
- **Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.** Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.
- **Do not operate charger with damaged cord or plug—** have them replaced immediately.
- **Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.** Take it to an authorised service centre.
- **Do not disassemble charger; take it to an authorised service centre when service or repair is required.** Incorrect reassembly may result in a risk of electric shock, electrocution or fire.
- In case of damaged power supply cord, the supply cord must be replaced immediately by the manufacturer, its service agent or similar qualified person to prevent any hazard.
- **Disconnect the charger from the outlet before attempting any cleaning.** This will reduce the risk of electric shock. Removing the battery pack will not reduce this risk.
- **NEVER** attempt to connect two chargers together.
- **The charger is designed to operate on standard 230V household electrical power. Do not attempt to use it on any other voltage.** This does not apply to the vehicular charger.

Charging a Battery (Fig. F)

1. Plug the charger into an appropriate outlet before inserting battery pack.
2. Insert the battery pack **16** into the charger, making sure the battery pack is fully seated in the charger. The red (charging) light will blink repeatedly indicating that the charging process has started.
3. The completion of charge will be indicated by the red light remaining ON continuously. The battery pack is fully charged and may be used at this time or left in the charger. To remove the battery pack from the charger, push the battery release button **22** on the battery pack.

NOTE: To ensure maximum performance and life of lithium-ion battery packs, charge the battery pack fully before first use.

Charger Operation

Refer to the indicators below for the charge status of the battery pack.

Charge Indicators

	Charging		
	Fully Charged		
	Hot/Cold Pack Delay*		

*The red light will continue to blink, but a yellow indicator light will be illuminated during this operation. Once the battery pack has reached an appropriate temperature, the yellow light will turn off and the charger will resume the charging procedure.

The compatible charger(s) will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light.

NOTE: This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorised service centre.

Hot/Cold Pack Delay

When the charger detects a battery pack that is too hot or too cold, it automatically starts a Hot/Cold Pack Delay, suspending charging until the battery pack has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery pack life.

A cold battery pack will charge at a slower rate than a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery pack warms.

Electronic Protection System

XR Li-Ion tools are designed with an Electronic Protection System that will protect the battery pack against overloading, overheating or deep discharge.

The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the lithium-ion battery pack on the charger until it is fully charged.

Wall Mounting

These chargers are designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner or other obstructions which may impede air flow. Use the back of the charger as a template for the location of the mounting screws on the wall. Mount the charger securely using drywall screws (purchased separately) at least 25.4 mm long with a screw head diameter of 7–9 mm, screwed into wood to an optimal depth leaving approximately 5.5 mm of the screw exposed. Align the slots on the back of the charger with the exposed screws and fully engage them in the slots.

Charger Cleaning Instructions



WARNING: Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Battery Packs

Important Safety Instructions for All Battery Packs

When ordering replacement battery packs, be sure to include catalogue number and voltage.

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below. Then follow charging procedures outlined.

READ ALL INSTRUCTIONS

- **Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery from the charger may ignite the dust or fumes.
- **Never force battery pack into charger. Do not modify battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.**
- Charge the battery packs only in DeWALT chargers.
- **DO NOT** splash or immerse in water or other liquids.
- **Do not store or use the tool and battery pack in locations where the temperature may fall below 4 °C (39.2 °F) (such as outside sheds or metal buildings in winter), or reach or exceed 40 °C (104 °F) (such as outside sheds or metal buildings in summer).**
- **Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium-ion battery packs are burned.
- **If battery contents come into contact with the skin, immediately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- **Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persists, seek medical attention.



WARNING: Burn hazard. Battery liquid may be flammable if exposed to spark or flame.



WARNING: Never attempt to open the battery pack for any reason. If battery pack case is cracked or damaged, do not insert into charger. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (i.e., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution

may result. Damaged battery packs should be returned to service centre for recycling.



WARNING: Fire hazard. Do not store or carry the battery pack so that metal objects can contact exposed battery terminals. For example, do not place the battery pack in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, etc.



CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.

Transportation



WARNING: Fire hazard. Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit. **NOTE:** Lithium-ion batteries should not be put in checked baggage.

DeWALT batteries comply with all applicable shipping regulations as prescribed by industry and legal standards which include UN Recommendations on the Transport of Dangerous Goods; International Air Transport Association (IATA) Dangerous Goods Regulations, International Maritime Dangerous Goods (IMDG) Regulations, and the European Agreement Concerning The International Carriage of Dangerous Goods by Road (ADR). Lithium-ion cells and batteries have been tested to section 38.3 of the UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria.

In most instances, shipping a DeWALT battery pack will be excepted from being classified as a fully regulated Class 9 Hazardous Material. In general, only shipments containing a lithium-ion battery with an energy rating greater than 100 Watt Hours (Wh) will require being shipped as fully regulated Class 9. All lithium-ion batteries have the Watt Hour rating marked on the pack. Furthermore, due to regulation complexities, DeWALT does not recommend air shipping lithium-ion battery packs alone regardless of Watt Hour rating. Shipments of tools with batteries (combo kits) can be air shipped as excepted if the Watt Hour rating of the battery pack is no greater than 100 Wh. Regardless of whether a shipment is considered excepted or fully regulated, it is the shipper's responsibility to consult the latest regulations for packaging, labeling/marketing and documentation requirements.

The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with the applicable regulations.

Storage Recommendations

1. The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold. For optimum battery performance and life, store battery packs at room temperature when not in use.

2. For long storage, it is recommended to store a fully charged battery pack in a cool, dry place out of the charger for optimal results.

NOTE: Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.

Labels on Charger and Battery Pack

In addition to the pictographs used in this manual, the labels on the charger and the battery pack may show the following pictographs:



Read instruction manual before use.



See **Technical Data** for charging time.



Do not probe with conductive objects.



Do not charge damaged battery packs.



Do not expose to water.



Have defective cords replaced immediately



Charge only between 4 °C and 40 °C.



Only for indoor use.



Discard the battery pack with due care for the environment.



Charge DeWALT battery packs only with designated DeWALT chargers. Charging battery packs other than the designated DeWALT batteries with a DeWALT charger may make them burst or lead to other dangerous situations.



Do not incinerate the battery pack.

Battery Type

The following tools operate on a 18 volt battery pack:

DWST1-75663, DWST1-75664

These battery packs may be used: DCB181, DCB182, DCB183, DCB183B, DCB183G, DCB184, DCB184B, DCB184G, DCB185, DCB187, DCB189. Refer to **Technical Data** for more information.

Package Contents

The package contains:

- 1 Radio/Charger
- 1 Instruction manual

NOTE: Battery packs, chargers and kitboxes are not included with N models. Battery packs and chargers are not included with NT models. B models include Bluetooth® battery packs.

NOTE: The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth®, SIG, Inc. and any use of such marks by DEWALT is under license. Other trademarks and trade names are those of their respective owners.

- Check for damage to the tool, parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

Markings on Tool

The following pictograms are shown on the tool:



Read instruction manual before use.

- V Volts
- A Amperes
- W Watts
- h Hours



Direct current



Class II Construction (double insulated)



CE Mark



Safety alert symbol

Date Code Position (Fig. F)

The date code **24**, which also includes the year of manufacture, is printed into the housing.

Example:

2021 XX XX

Year and Week of Manufacture

Description (Fig. A–H)



WARNING: Never modify the radio or any part of it. Damage or personal injury could result.

- 1 Front speakers (2x)
- 2 Carrying handle
- 3 Control panel
- 4 Top compartment latches (4x)
- 5 Top compartment cover
- 6 Stacking latches (2x)
- 7 Rear loudspeakers (2x)
- 8 Power-in port (24V_{DC})
- 9 Battery pack cover latches (2x)
- 10 Cart locking back hook
- 11 Battery pack cover
- 12 Slots for cart

- 13 AC/DC power adaptor
- 14 Auxiliary jack (3.5 mm)
- 15 USB power/charging port
- 16 Battery pack (not included)
- 17 Battery pack receptacle
- 18 LCD Display
- 19 Radio preset buttons
- 20 Selection dial
- 21 Mode buttons
- 22 Battery release button
- 23 Fuel gauge
- 24 Date code

- To open the compartment cover, release the four locking latches **4** below the compartment yellow cover and open it. (Fig. B)
 - To close the compartment cover **5**, push down on all four corners of the yellow cover. (Fig. C)
- NOTE:** When correctly closed, the compartment protects its contents from dust, debris and light rain.
- To open the battery cover **11**, release the two locking latches **9** of the compartment yellow cover and open it. (Fig. D)
 - To close the compartment, push the cover closed.

Intended Use

The DEWALT ToughSystem® Music + Charger is a combination of a DAB+ and FM radio, Bluetooth and auxiliary music player. The system includes charging capabilities for DEWALT slide pack batteries. The ToughSystem® Music + Charger will charge most DEWALT Li-ion batteries. Batteries sold separately.

DO NOT use under wet conditions or in the presence of flammable liquids or gases.

DO NOT let children come into contact with the tool.

Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

Key Features

- FM-stereo with manual/auto scanning and memory preset of stations.
- Bluetooth audio connectivity
- Auxiliary jack for connecting external audio devices
- USB power/charging port (5V/1A)
- Large LCD display with illumination
- Illuminated, soft-touch buttons
- Four tweeter drivers and two subwoofers for rich sound performance

- Volume control and sound tone adjustment
- Heavy-duty design
- Mounts and locks to the DeWALT DWST08210 ToughSystem® L-Card Carrier
- Stackable onto any ToughSystem® unit
- Water and dust resistant – IP54 tested
- DAB+ advanced digital audio broadcasting with information display as broadcast by the station
- DRC dynamic range compression allows quiet sounds to be comparatively louder, and loud sounds to be comparatively quieter
- Favorites – preset digital stations

ASSEMBLY AND ADJUSTMENTS



WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments or accessories. An accidental start-up can cause injury.



WARNING: Use only DeWALT battery packs and chargers.

Inserting and Removing the Battery Pack from the Radio (Fig. F)

NOTE: Make sure your battery pack **16** is fully charged.

To Install the Battery Pack into the Radio

1. Align the battery pack **16** with the rails inside the battery receptacle **17**.
2. Slide it into the receptacle until the battery pack is firmly seated in the tool and ensure that you hear the lock snap into place.

To Remove the Battery Pack from the Radio

1. Press the release button **22** and firmly pull the battery pack out of the battery receptacle.
2. Insert battery pack into the Radio as described in the charger section of this manual.

Fuel Gauge Battery Packs (Fig. F)

Some DeWALT battery packs include a fuel gauge which consists of three green LED lights that indicate the level of charge remaining in the battery pack.

To actuate the fuel gauge, press and hold the fuel gauge button **23**. A combination of the three green LED lights will illuminate designating the level of charge left. When the level of charge in the battery is below the usable limit, the fuel gauge will not illuminate and the battery will need to be recharged.

NOTE: The fuel gauge is only an indication of the charge left on the battery pack. It does not indicate tool functionality and is subject to variation based on product components, temperature and end-user application.

OPERATIONS

Instructions for Use



WARNING: Always observe the safety instructions and applicable regulations.



WARNING: Do not place the radio in locations where it may be exposed to dripping or splashing.

Charging a Battery Pack in the Radio (Fig. A, D–F)

The ToughSystem® Music + Charge includes a large storage compartment. This compartment also stores and protects the AC/DC power adaptor when not in-use.

1. Open the top compartment cover **5** to take out the AC/DC power adaptor.
2. Plug the charger AC/DC power adaptor into an appropriate outlet and connect it to the power-in port **8** before inserting the battery pack **16**.
3. Open the battery pack cover **5** by releasing its locking latches **6**.
4. Insert the battery pack (not included) into the battery receptacle, making sure the pack is securely held in the receptacle. The battery indicator will blink continuously, indicating that battery charging is in process.
NOTE: Close the cover and check it is tightly closed.
5. The charging completion will be indicated by a steady battery indicator. The pack is fully charged and may be used at this time or left in the charger.

LCD Indicators (Fig. G)

When the appliance is turned OFF

When charging a battery pack while the appliance is turned off, a large battery image is displayed in the center of the LCD screen **18** showing the battery pack charging status.



Battery pack is empty



Battery pack level is low



Battery pack is partially charged



Battery pack is fully charged



Hot/Cold Delay

This charger has a hot/cold delay feature: when the charger detects a battery that is hot, it automatically starts a delay, suspending charging until the battery has cooled. After the battery has cooled, the charger automatically switches to the pack charging mode. This feature ensures maximum battery life.



Faulty Battery Packs

This charger will not charge a faulty battery pack. The charger will indicate faulty battery pack by displaying an X on the LCD battery image. If this occurs, re-insert the battery pack into the charger. If the problem persists, try a different battery pack to determine if the charger is working properly. If the new pack charges correctly, then the original pack is defective and should be returned to a service center or other collection site for recycling. If the new battery pack elicits the same trouble indication as the original, have the charger and the battery pack tested at an authorized service center.

NOTE: This could also mean a problem with a charger.

When the appliance is turned ON

When the appliance is turned on, indicators for the power supply and the battery status are displayed on the lower right portion of the LCD screen **18**.



Appliance is operating via the AC/DC power adaptor



Battery level is low



Battery is partially charged



Battery is fully charged



Hot/Cold delay of charging



Problem with the battery pack or charger

OPERATION

This appliance is equipped with memory capacity in order to store the selected radio channels and paired Bluetooth devices.

NOTE: The music mode will operate when connected with the AC/DC power adaptor and/or when operated solely on battery power.

NOTE: When the appliance is connected by the supplied power supply unit to the outlet it will charge the installed battery. Unplugged, the appliance can run up to 8 hours on a fully charged battery using a premium 2A/h XR Li-ion battery. Using batteries of lower voltage and amp hours will yield less run time. This appliance can be operated in the vertical or horizontal position.

NOTE: This product has two internal aerials that contribute to its ruggedness by omitting an external aerial that can be bent or broken. These aerials work together to provide 360 degree radio reception without the need of extending and tuning an extruding antenna as required by other radios. In order to improve reception in very low signal areas we recommend placing the ToughSystem Music in the vertical position so the handle is facing upwards, or moving the radio closer to a window or opening.

Button Functions (Fig. G)

The front panel includes a selection dial and mode buttons **21**. Selection dial **20** (the selection dial has more than one function)



Power On/Off



Back button



Source selection button



Bluetooth button



Radio preset buttons

Powering ON and OFF (Fig. G, H)

Press the power button  for 1 second. The appliance turns on to the last selected audio source.

Press the power button  for 3 seconds. The appliance turns off.

Volume Adjustment



WARNING: Excessive sound level can cause hearing loss.

NOTE: The volume is set and saved separately for each of the audio source types.

Turn the dial **20** clockwise to increase the volume. To decrease the volume, turn counterclockwise.

Back Button ()

After entering any one of the screens, press the back button  to return to the previous screen.

Audio Source Select ()

To choose one of the audio sources (DAB+, FM, AUX or Bluetooth) push the source selection button  until the desired source is found. For example, if the radio is on FM, seen in upper left portion of LCD display, push the source button to change to AUX

MAIN MENU (General Setup)

General Setup can be accessed from each of the selected audio sources by:

1. Pressing the selection dial **20**.
2. Rotating the selection dial clockwise until **Main Menu** is reached.
3. Pressing the selection dial to access the **Main Menu**.

From the main menu the following actions can be performed:

- **Sound:** tone adjust: Bass, Treble and Mid
- **Language:** select the interface Language
- **Brightness:** adjust the screen Brightness
- **Restore to default.**

FM TUNER SETUP

The appliance can be tuned to DAB+ / FM radio frequencies with the option of saving up to (6) DAB+ and (6) FM preset stations. After setting and saving the preset stations, pressing a preset button **1-6** instantly changes the frequency to the desired station.



Finding a desired frequency can be performed in one of two methods: Auto Scan or Manual Tune.

Auto Scan

1. Press the audio source button  until the required source is reached.
2. Press the selection dial **20** to enter the **Main Menu** (see **General Setup**).
3. Rotate the selection dial clockwise until **Auto Scan** is reached and press to select. The **Auto Scan** begins searching for the closest strong, clear signal.
 - Rotate the dial clockwise to scan up the frequencies.
 - Rotate the dial counterclockwise to scan down the frequencies.
4. Once a desired frequency is found, save it to one of the channel preset buttons (see **Setting the Preset Buttons**).

Manual Tune

1. Select the required audio source and enter the **Main Menu** (see **General Setup**).
2. Rotate the selection dial **20** clockwise and press it to select **Manual Tune**.
3. Rotate the selection dial clockwise to go up the frequencies or counterclockwise to go down the frequencies, until the desired frequency is reached.
4. Once a desired frequency is found, save it to one of the channel preset buttons (see **Setting the Preset Buttons**).

Setting FM Presets

1. Set the radio to the desired station/frequency (see **Auto Scan** or **Manual Tune**).
2. Press and hold the desired preset button **1-6** until a message >> P# is displayed. The station is saved to the displayed preset button number (#).
3. Repeat steps 1 and 2 to set additional preset stations.
4. Press the back button  to return to the **Audio Source** screen.
5. The selected station is indicated on the LCD screen (button 2 in the example).

DAB+ OPERATION

1. When first turned on or after restoring to default settings, the appliance will automatically run a full station scan to find broadcasting stations.
2. Use the selection dial **20** to scroll through the stations.

DAB+ MENU

Full Scan

1. Press the Selection Dial **20**, and turn it to browse through the menu.
2. When **Full Scan** is chosen, the appliance will run a full band scan, displaying the number of stations found.
3. When complete, the appliance will play the first station on the band.

Stations List

When selected, the appliance will display the full list of available stations. Browse the list using the selection dial **20** and press to select a station.

NOTE: When moving locations or if reception was poor in the original scan, this may result in an empty or incomplete list of available stations. Manually running an **Full Scan** will find all available broadcast stations.

Setting Favorites (Presets)

1. Set the radio to the desired station (see Full Scan).
2. Press and hold the desired preset button **1-6** until a message >> P# is displayed. The station is saved to the displayed preset button number (#).
3. The selected station is indicated on the LCD screen.

Information Display

The following information can be selected to be displayed on screen:

Scrolling Text – loop through all types of information, 3 seconds each.

Frequency - the playing station's frequency.

Type - the type of media broadcast made by the current station.

Data rate - the resolution that is broadcast by the station.

NOTE: The information is provided by the stations, and not controlled by the appliance.

DAB Settings

1. **Prune stations** - Some stations previously received by your radio that might no longer be available will display blanks in place of the station name. To remove these stations from the station list press the Selection Dial **20**. You will be asked to confirm your choice (similar to "Restore to Default").
2. **DRC (dynamic range compression)** - This function reduces the difference between the loudest and quietest audio being broadcast. Effectively, this makes quiet sounds comparatively louder, and loud sounds comparatively quieter. The following options are available:
 - DRC off
 - DRC low
 - DRC high

NOTE: DRC only works if it is enabled by the broadcaster

Important Radio Notes

1. Reception will vary depending on location and strength of radio signal.
2. Running the radio while connected to certain generators may cause background noise.

Adjusting the Sound Preferences

Sound preferences can be adjusted by changing the equalization of the **Bass**, **Treble** or **Mid**.

1. Press the selection dial **20**.
2. Rotate the selection dial clockwise until **Main Menu** is reached.
3. Press the selection dial to access the **Main Menu**.

4. Press the selection dial again to enter the **Sound** settings screen.
5. Adjust to the desired setting by rotating the selection dial clockwise/counterclockwise.
6. Press the selection dial to scroll through the sound setup options. Pressing  saves the selected setup.

Playing Audio from an External Device (AUX/Bluetooth)

The appliance can be used to play sound from an external device, through its built-in speakers, in one of two connection options:

- Auxiliary
- Bluetooth

NOTE: The top compartment can also be used to store, protect and charge some portable audio devices, such as a smart phone or MP3 player. The USB power port can charge/power most devices that can accept power through a USB charging port (5V/1A).

Connecting an Auxiliary Device

1. Connect a 3.5 mm audio cable between the auxiliary input jack and the output jack of your audio device.
2. Press the audio source button  until AUX is displayed.
3. Operate the audio through the connected device.

Connecting a Device through Bluetooth

The appliance can connect to Bluetooth capable audio devices through Bluetooth communication.

NOTE: The Bluetooth mode can store up to 8 users.

1. Enable the Bluetooth of the audio device to be connected.
 2. Press the audio source button  until the Bluetooth symbol is displayed , or press the Bluetooth button . This operation enters the Bluetooth mode. The Bluetooth button  blinks slowly.
 3. Press the Bluetooth button  for 3 seconds to make it discoverable. A discoverable signal sounds and the Bluetooth button  blinks fast.
 4. Look for the appliance (display name: ToughSystem Music) on the audio device to be connected, and select it. Once connected a connected signal sounds. The Bluetooth symbol is displayed on the LCD screen and the Bluetooth button lights in steady blue.
 5. Operate the audio through the connected device. The next time this device is in its Bluetooth ON mode, it will automatically discover and connect to the appliance.
- NOTE:** The appliance connects to the last connected device. A connected signal sounds. If the last connected device is not available, the Bluetooth button blinks until found by one of the other previously connected devices. **NOTE:** To disconnect from a device and become discoverable for other devices, press the Bluetooth button  for 3 seconds, or press the selection dial and select **Make Discoverable**.

MAINTENANCE

Your radio has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.



WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments or accessories. An accidental start-up can cause injury.

The radio/charger and battery pack are not serviceable.



Lubrication

Your power tool requires no additional lubrication.



Cleaning



WARNING: Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.



WARNING: Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Optional Accessories



WARNING: Since accessories, other than those offered by DeWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DeWALT recommended accessories should be used with this product.

Consult your dealer for further information on the appropriate accessories.

Protecting the Environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at www.2helpU.com.

Rechargeable Battery Pack

This long life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- Run the battery pack down completely, then remove it from the tool.
- Li-Ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.

Troubleshooting

Low State of Charge

Low state of charge will continue to function but may not perform as well. When the appliance is powered by a battery pack and its state of charge falls below 20%, the low battery indicator is displayed.

Battery Pack Protection

To protect the life of the battery pack, the appliance will shut off when the battery's state of charge reaches a safe limit. If this happens, connect the DWST1-75663, DWST1-75664 to an outlet with the AC/DC power adaptor and charge the battery pack.

Audio Stops

When dropping the appliance in its vertical position the battery pack may disconnect from its receptacle. If the radio/charger is powered by the battery, the audio output will stop. To resume, open the cover and reposition the battery pack.



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