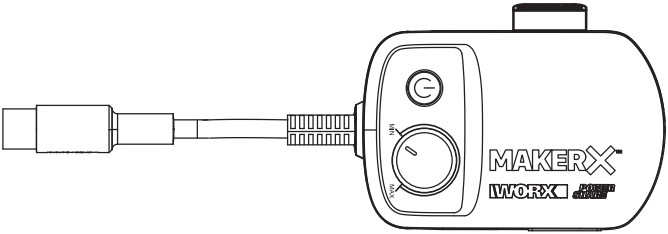
WORX®



MAKERX®

SAFETY AND OPERATING MANUAL
ORIGINAL INSTRUCTIONS

20V Hub/HubX **WA7160 WA7161**

PRODUCT SAFETY
GENERAL POWER TOOL SAFETY WARNINGS

WARNING Read all safety warnings and instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR CHARGER

1. Before charging, read the instructions.
2. Do not use chargers for works other than those for which they are designed.
3. The charging device must be protected from moisture.
4. Do not use the charging device outdoors.
5. Do not open the unit and keep it out of the reach of children.
6. Ensure that the connection between the charger and your equipment is correctly positioned.
7. Keep charger's slots free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
8. When charging your equipment, ensure that the charger is in a well-ventilated area and away from inflammable materials. Ensure that your equipment and charger are not left unsupervised during charging.
9. Longer life and better performance can be obtained if your equipment is charged when the air temperature is between 15°C and 25°C. Do not charge your equipment in air temperatures below 0°C, or above 45°C.
10. Disconnect from your equipment when not charging or the charging is over.

20V Hub/HubX is specially designed to work with 20V MakerX series tools BELOW, so do not attempt to use any other devices.

Category	Model
20V Cordless Rotary Tool	WX739 WX739.X
20V Cordless Angle Grinder	WX741 WX741.X
20V Cordless Air Brush	WX742 WX742.X
20V Cordless Mini Heat Gun	WX743 WX743.X
20V Cordless Wood & Metal Crafter	WX744 WX744.X

20V Cordless Rotary Cutter	WX745 WX745.X
20V Cordless Glue Gun	WX746 WX746.X
20V Cordless Mini Blower	WX747 WX747.X

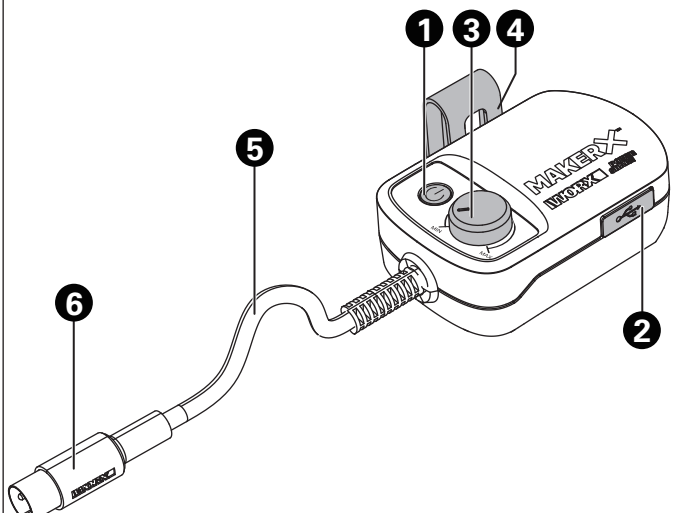
SAFETY WARNINGS FOR BATTERY PACK

a) **Do not dismantle, open or shred cells or battery pack.**
b) **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
c) **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
d) **Do not subject battery pack to mechanical shock.**
e) **In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
f) **Seek medical advice immediately if a cell or battery pack has been swallowed.**
g) **Keep battery pack clean and dry.**
h) **Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
i) **Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
j) **Do not maintain battery pack on charge when not in use.**
k) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
l) **Recharge only with the charger specified by Worx. Do not use any charger other than that specifically provided for use with the equipment.**
m) **Do not use any battery pack which is not designed for use with the equipment.**
n) **Keep battery pack out of the reach of children.**
o) **Retain the original product literature for future reference.**
p) **Remove the battery from the equipment when not in use.**
q) **Dispose of properly.**
r) **Do not mix cells of different manufacture, capacity, size or type within a device.**
s) **Do not remove battery pack from its original packaging until required for use.**

t) Observe the plus (+) and minus (–) marks on the battery and ensure correct use.

SYMBOLS

	Read the operator's manual.
	Caution
	For indoor use only
	Do not burn
	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.
Li-Ion	Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.
	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice


1
3
4
5
6
2
MAKERX
MAKERX
MIN
MAX

COMPONENT LIST

1.	**ON/OFF SWITCH**
2.	**USB PORT ***
3.	**SPEED CONTROL BUTTON**
4.	**BELT CLIP ***
5.	**FLEXIBLE POWER CORD**
6.	**POWER CONNECTOR**

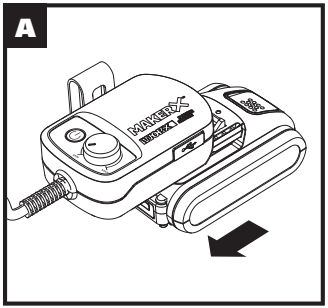
*** Not all the accessories illustrated or described are included in standard delivery.**

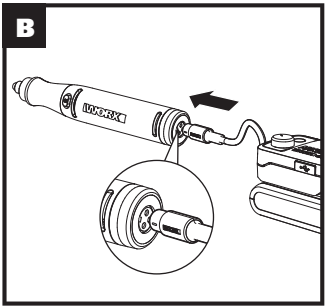
TECHNICAL DATA

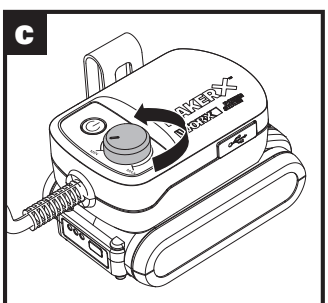
	WA7160	WA7161
Output	20 V ⎓ 10 A, Max.	Output: 20 V ⎓ 10 A, Max. Or Output: 5 V ⎓ 2 A (USB port)
Input	20 V ⎓ 10 A, Max.	
Battery type	Lithium battery	
Battery pack voltage	20 V	
Weight	80 g	

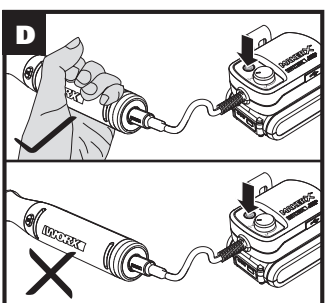
Category	Model	Capacity
20V Battery	WA3551	2.0Ah
	WA3551.1	2.0Ah
	WA3014	4.0Ah
	WA3556	5.0Ah

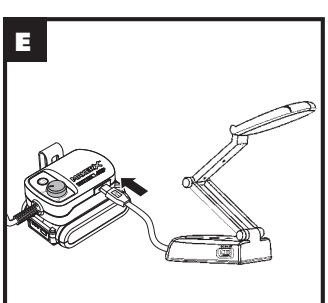
We recommend that you purchase your accessories listed in the above list from the same store that sold you the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.


A
MAKERX
MAKERX


B
MAKERX


C
MAKERX
MAKERX


D
MAKERX
MAKERX


E
MAKERX

OPERATING INSTRUCTIONS

NOTE: Before using the tool, read the instruction book carefully.

ASSEMBLY

1. Insert battery pack into the hub. (See Fig. A)

2. Connect the hub and MakerX series tools. (See Fig. B)

WARNING: Before operation, make sure the speed control button on the hub is at the"Min" position. (See Fig. C)

OPERATION

1. Confirm the speed control button is set to "Min". Grasp the tool by the grip.Press the on/off switch to start. (See Fig. D)

2. Adjust the variable speed as needed for the tool and application.

3. Press the on/off switch on the hub to turn off after use.
NOTE: For sake of safety, disconnect from the hub and adjust the speed control to "Min" position once completing the operation.

4. With a USB port (output: 5 V, 2 A) (only for specific models), your hub can be connected to a LED light, or used to charge small electronics or tools such as cell phones, cordless screwdrivers, tablets, etc.. (See Fig. E)

MAINTENANCE

There are no repairable parts in your hub.
For adjustment, repair or maintenance, please leave it to the professional. Do not try to repair the hub yourself.
Your hub does not need to be lubricated or otherwise maintained. Don't clean the hub with water or chemical cleaning agent, just wipe it with a dry cloth. Store in a dry environment.

ENVIRONMENTAL PROTECTION

Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

DECLARATION OF CONFORMITY

We,
Positec Germany GmbH
Postfach 32 02 16, 50796 Cologne, Germany

On behalf of Positec declare that the product
Description **20V Hub/HubX**
Type **WA7160 WA7161**

Complies with the following Directives:
2011/65/EU&(EU)2015/863
2014/30/EU

Standards conform to
EN 55014-1
EN 55014-2
EN 62368-1 (Only for WA7161)

2021/12/31
Allen Ding
Deputy Chief Engineer,Testing & Certification
Positec Technology (China) Co., Ltd
18, Dongwang Road, Suzhou Industrial
Park, Jiangsu 215123, P. R. China

DECLARATION OF CONFORMITY

We,
Positec (UK & Ireland) Ltd.
PO Box 6242, Newbury, RG14 9LT, UK

On behalf of Positec declare that the product
Description **20V Hub/HubX**
Type **WA7160 WA7161**

Complies with the following Directives:
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations

Standards conform to
BS EN 62368-1 (Only for WA7161)
BS EN 55014-1
BS EN 55014-2

UK
CA

2021/12/31
Allen Ding
Deputy Chief Engineer,Testing & Certification
Positec Technology (China) Co., Ltd
18, Dongwang Road, Suzhou Industrial
Park, Jiangsu 215123, P. R. China

you've got the power

After-sales Service and Application

At www.worx.com you can order spare parts or arrange the collection of a product in need of servicing or repair.
Tel. Service: 0345 202 9679
E-Mail: customerservices@worxtools.com

www.worx.com

Copyright © 2021, Positec. All Rights Reserved.
AR01538002