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1 by one

Digital TV Converter Box

Instruction Manual



Introduction

Thank you for purchasing 1byone Digital TV Converter Box. This instruction manual contains important information about safety, usage, and disposal. Use the product as described and keep this manual for future reference. If you sell this converter box or pass it on, also give this manual to the new owner.

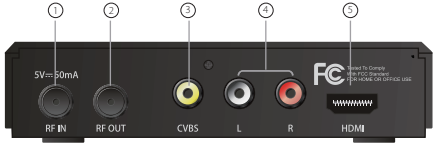
Appliance Description

Front View



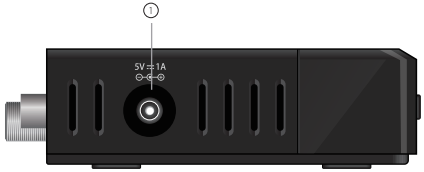
① On/Standby
② Channel Buttons
③ Display
④ Remote Sensor
⑤ Power Indicator
⑥ USB Port (supports USB flash disks only)

Rear View



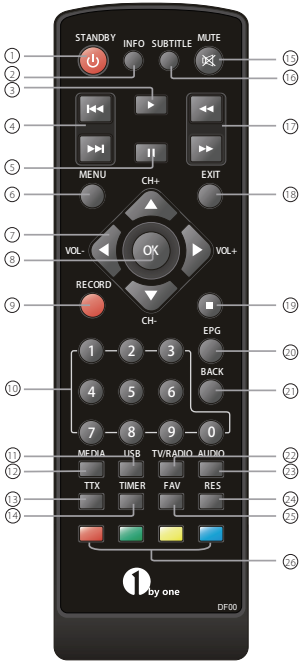
① RF IN (for an external TV antenna/aerial)
② RF Out
③ Composite Video Broadcast Signal
④ Audio Output
⑤ HDMI Output

Side View



① DC Input

Remote Control



① STANDBY: Switch the digital converter box between On and Standby
② INFO: Display current channel information/operation guide
③ PLAY
④ Previous/Next
⑤ PAUSE: Pause/activate Timeshift function
⑥ MENU: Open and close menu
⑦ CH+/- (Channel up and down); VOL+/- (Volume up and down); Cursor: Move selection up and down within menus and lists
⑧ OK button: Confirm a selection
⑨ RECORD: Record a TV program
⑩ Numeric keys: Enter numeric information and select specific channels
⑪ USB: Enter media player
⑫ MEDIA: Enter recorder menu
⑬ TTX: Open interactive service
⑭ TIMER: Timer wake-up
⑮ MUTE: Turn on/off the volume
⑯ SUBTITLE: Turn on/off subtitles
⑰ Search backward/forward
⑱ EXIT: Quit menu

⑲ STOP: Stop program playback or recording
⑳ EPG: Open Electronic Program Guide
㉑ BACK: Switch to previous channel
㉒ TV/RADIO: Switch between TV and radio
㉓ AUDIO: Select audio mode and audio track
㉔ RES: Switch HDMI resolution
㉕ FAV: Open favorites list
㉖ RED/GREEN/YELLOW/BLUE Buttons: For interactive function/submenu function

Note: Some features on this remote rely on the feature being available during the broadcast. The buttons may not respond if function is not available.

Safety Instructions

Operating Environment

- Place the digital TV converter box on a stable, even surface. Do not place any heavy objects on the converter box.
- Operate the converter box in normal room temperatures. Do not operate the converter box in high temperature environments to avoid damage.
- Use this converter box in well-ventilated areas. Do no place the box on shelves, thick carpet, beds, sofas, or anywhere else that obstructs the ventilation slot.
- The converter box should not be exposed to dripping or splashing water. Keep it far away from water, particularly near sinks, baths, or other similar areas.

Power and Cables

- This digital TV converter box is supplied with a DC power adapter. To prevent electric shock, ensure the power adaptor is inserted correctly into the power outlet.
- Do not overload wall outlets or extension cords as this will be a fire hazard and may cause electric shock.
- Only connect the converter box to a power outlet type as indicated in the "Specifications" section of this manual.
- Do not place the power cord where people will step on or trip over it.
- Installing an outdoor antenna can be hazardous and should be handled only by professional technicians.
- To protect against electrical shock or fire, do not make modifications to the power cord unless done so by qualified technicians.

Disconnecting From Power

- When there is the danger of lightening from stormy weather, disconnect the converter box from power.
- To avoid risk of fire, disconnect from power if the converter box will not be used for a long period of time.

Servicing

- Do not attempt to service this digital TV converter box yourself. The box should be checked and repaired by qualified technicians only.
- Conditions requiring service:
  - A. When the DC power adaptor or connected power cord is damaged.
  - B. When liquid has been spilled, or objects have fallen into the converter box.
  - C. When the converter box has been exposed to rain or water.
  - D. When the converter box does not operate properly despite following the operating instructions.
  - E. When the converter box has been dropped or damaged.
  - F. When the converter box shows a visible change in performance.
  - G. When replacement parts are required.

Cleaning

Unplug the digital TV converter box from power before cleaning.
Only use a clean, dry cloth for cleaning. Never use corrosive liquids.
Do not attempt to open the converter box's housing, as this will void your warranty.

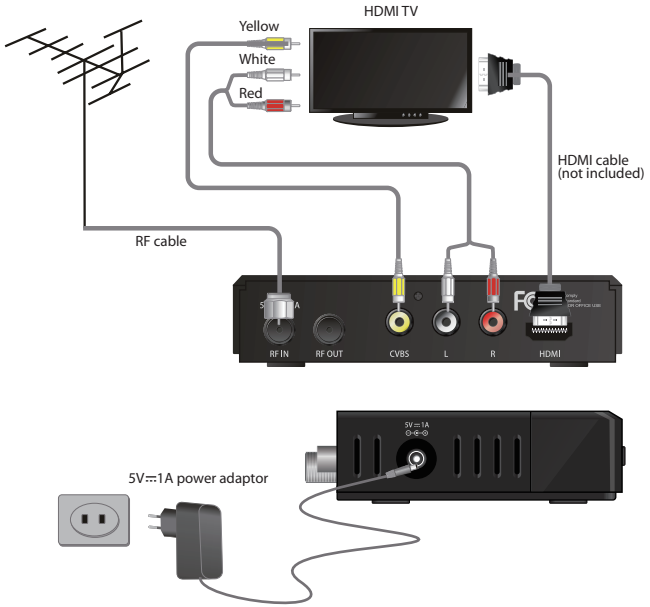
Operation

Included Items:

1 x Digital TV Converter Box
1 x Remote Control
1 x Power Adaptor
1 x Audio & Video Cable
1 x Instruction Manual

Before using the digital TV converter box for the first time, check the package contents to ensure all parts are free of visible damage.

Connecting the Conversion Box to a Television



Basic Operation

- Opening and Navigating Submenus
  Press the Cursor buttons to toggle between the main menu and the submenu items. Press the OK button to highlight the desired submenu item and then press the OK button again to open it.
- Closing the Menus
  You can close all opened submenus sequentially by pressing the EXIT button multiple times.

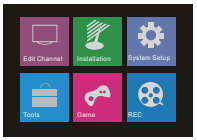
Welcome



If you are using the converter box for the first time or have restored the converter box to factory default, the Welcome menu will appear on your TV screen.

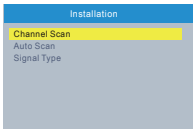
Here you can set Region, Language, Display Mode, and Aspect Mode.
Display Mode: 1080i/1080p_60/480i/480p/720p
Aspect mode: Auto/4:3PS/4:3LB/16:9
Note: The screen will re-start automatically after choosing a different display mode.
Highlight "OK" and press the OK button to start channel search.

Main Menu

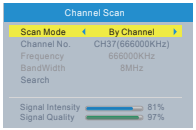


Press the MENU button to display the menu. Here you can change settings.

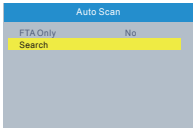
Installation Guide



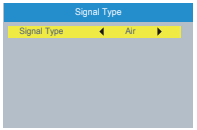
The Installation menu allows you to set Channel Scan and Signal Type options.



Channel Scan
The Channel Scan menu allows you to set channel search manually.
1. Select "Channel Scan" and press the OK button to enter the Channel Scan menu.
2. Press the Cursor button to set Scan Mode, Channel No., Frequency, and Bandwidth, then highlight "Search" and press the OK button to start channel scanning manually.



Auto Scan
The Auto Scan menu allows you to perform an automatic channel search.
1. Select "Auto Scan" and press the OK button to enter the Auto Scan menu.
2. Press the Cursor button to set the "FTA Only" option.
3. Highlight "Search" and press the OK button to start auto scan.



Signal Type
Air: Switch to Air mode.
Cable: Switch to Cable mode and you can search all channel sources, including QAM-B channels.

Changing Channels

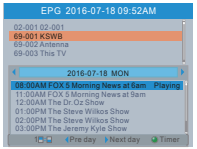
There are three methods to change channels: manually changing channels, inputing channel numbers, and using the on-screen channel list.

① Manually changing channels:
Press the CH+ or CH- buttons on the remote control to manually change channels.

② Inputing the channel number:
Enter the channel number directly by pressing the numeric buttons and press the OK button to confirm.

③ Using the on-screen channel list:
Select the desired channel directly from the on-screen channel list. This can be accessed from the main menu. See the "Edit Channel" section for instructions.

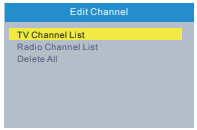
Accessing the Electronic Program Guide (EPG)



Accessing the EPG of all channels:
① Press the EPG button to enter the EPG menu. Press the numeric "1" button to switch between the channel list and the event list.
② Press the UP or DOWN button to select the desired channel or event. Press the LEFT and RIGHT buttons to select the date.
③ Press the GREEN button to set the Timer. Press the OK button to display information about the selected event.
④ Press the EXIT button to go back to the previous menu.

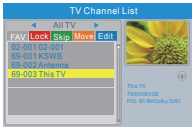
EDIT CHANNEL

Edit Channel Menu



This menu allows you to edit the TV channel list and radio channel list. You can also delete all lists.

TV / Radio Channel List





This menu allows you to favorite, lock, skip, move, sort, delete, and rename selected TV/radio channels.

① In the Edit Channel menu, select "TV Channel List" or "Radio Channel List" and press the OK button. You will be asked to input a password (the default password is "0000").

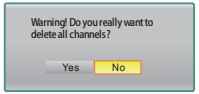
② Press the UP or DOWN button to highlight the desired channel and press the OK button. A preview of the channel will be displayed in the upper right corner of the screen.

- Press the FAV button and then press the OK button to set favorite channels.
- Press the Red button to activate the "Lock" function. You will be asked to input a password (the default password is "0000").
- Press the OK button to lock the selected channels.
- Press the Green button to activate the "Skip" function, then press the OK button to skip the selected channel.
- Press the Yellow button to activate the "Move" function. Highlight the desired channel and press the OK button to confirm. Press the UP or DOWN button to select a new position and press the OK button. The channel will move to the new position.
- Press the Blue button to enter the "Edit Channel" submenu.
- Press the OK button again to cancel the corresponding function.
- Press the color buttons again to exit the corresponding function.

③ Press the Exit button to save and go back to the Edit Channel menu.

Note: The basic operation of the "Radio Channel List" is the same as the "TV Channel List" except for one big difference: In "Radio Channel List" mode, there is no video information, so the radio logo will always be displayed in the preview window to the right.

Delete All

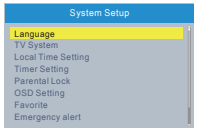


① In the Edit Channel menu, select "Delete All" and press the OK button.
You will be asked input a password (the default password is "0000").

② A warning window will appear.
Select "Yes" and press the OK button to delete all channels.
Select "No" and press the OK button to cancel deletion.

System Setup

System Setup Menu



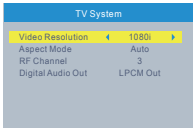
This menu allows you to change settings for the following items:
Language, TV System, Local Time Setting, Timer Setting, Parental Setting, Parental Lock, ODS Setting, Favorite, Emergency alert, Caption, and Other.

Language



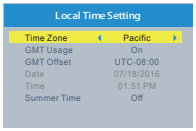
This menu allows you to set the language of the system and audio.
Optional languages: English/French/German/Spanish/Portuguese/Russian/Turkish/Polish/Arabic/Persian
In the Language menu, press the OK button and all optional languages will be displayed. Press the Cursor button to highlight the desired language and press the OK button to confirm the change of language.

TV System



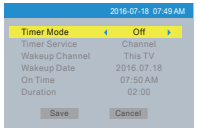
This menu allows you to set Video Resolution, Aspect Mode, RF Channel, and Digital Audio Out.
Video Resolution: Set various video resolutions.
Aspect Mode: Auto/4:3PS/4:3LB/16:9
RF Channel: 3/4
Digital Audio Out: BS Out/LPCM Out

Local Time Setting



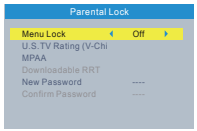
This menu allows you to set the time zone and local time.
Time Zone: Change the time zone.
GMT Usage: Turn usage of GMT On/Off.
GMT Offset: This menu is valid only when the GMT Usage has been turned On.
The GMT offset range is "UTC-11:30 ~ UTC+12:00," increasing every half hour each time.
Date/Time: "Date" and "Time" menus are valid only when GMT Usage has been turned Off.
Press the numeric buttons to adjust the time.
Summer Time: Open/Close "Summer Time" to enable/disable the automatic daylight saving function.

Timer Setting



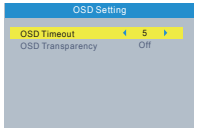
This menu allows you to set the program timer.
You can set up to 8 timers.
Timer Mode: Off/Once/Daily
Timer Service: Channel/Record
Wakeup Channel: Set a desired channel as the wakeup channel.
Wakeup Date: Set Wakeup Date by pressing the numeric buttons.
Wakeup Time: Set Wakeup Time by pressing the numeric buttons.
Duration: Set Duration by pressing the numeric buttons.

Parental Lock



This menu allows you to protect your satellite receiver against unauthorized access.
In the System Setup menu, select "Parental Lock" and press the OK button. You will be asked to input a password (the default password is "0000").
Menu Lock: On/Off
U.S. TV Rating (V-Chip): Set rating lock
MPAA: Set level lock of MPAA
Downloadable RRT:
New Password: To change the password by using the numeric buttons. (4 digits only)
Confirm Password: To confirm the new password.

OSD Setting



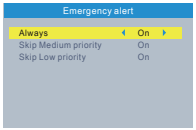
This menu allows you to set the time of OSD Timeout and OSD Transparency.
OSD Timeout: 1-10.
OSD Transparency: Off/10%/20%/30%/40%.

Favorite



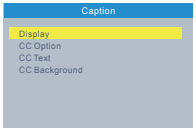
This menu allows you to rename favorite groups.
① In the System Setup menu, select "Favorite" and press the OK button to enter the Favorite menu.
② Select the favorite group you want to rename and press the OK button to open the virtual keypad. Input letters and numbers by pressing the Cursor buttons to highlight and Blue or OK button to select each letter and number.
③ Press the EXIT button to quit the Group Rename menu.

Emergency Alert



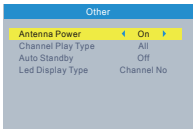
This menu allows you to activate or deactivate the "Emergency alert" function.
Always: On/Off
Skip Medium priority: On/Off
Skip Low priority: On/Off

Caption



This menu allows you to activate "Caption" and set the color, font, and background of captions.
Display: On/Off
CC Option: Auto/User
CC Text: Font Size/Font Style/Font Color/Font Opacity/Font Location
CC Background: Background Color/Background Opacity

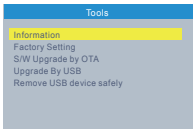
Other



This menu allows you to set Antenna Power, Channel Play Type, Auto Standby, and LED Display Type.
Antenna Power: On (digital TV converter box will provide 5V power to antenna).
Off (digital TV converter box will not provide 5V power to antenna).
Channel Play Type: All/Free/Scrambled
Auto Standby: On/Off
Led Display Type: Time/Channel No.

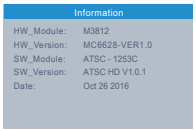
TOOLS

Main Menu



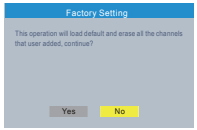
This menu allows you to check Information about the converter box, restore Factory Setting, upgrade the software, and Remove a USB Device Safely.

Information



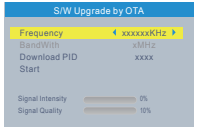
You will find important information about the hardware and software of the converter box here.

Factory Setting



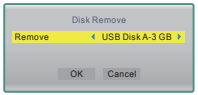
Warning: Restoring factory defaults will erase all saved channel information, settings, and scheduled recordings. Please use with care. To execute this command, press the OK button to begin and then input a password (the default password is "0000").
① Select "Yes" to confirm or select "No" to cancel this operation.
② Press the EXIT button to exit.
Select "No" to cancel the operation.
③ Press the EXIT button to exit.

Software Upgrade



There are two methods to upgrade software: OTA or USB.
① In the Tools menu, select "S/W Upgrade by OTA" or "Upgrade by USB," then press the OK button to enter the Software Upgrade menu.
② Press the Cursor button to select the desired item, then highlight "Start" and press the OK button to start the upgrade.
③ Press the EXIT button to exit.

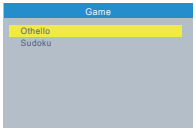
Remove USB Device Safely



This menu allows you to remove the external USB device safely.
① Select "Remove USB device safely."
② Press the OK button to confirm. Select "OK" to remove the USB device.
Select "Cancel" to cancel this operation.

GAMES

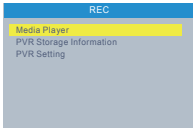
Game



This menu allows you to play games.
Optional games: Othello, Sudoku

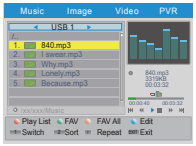
REC

Main Menu



Insert an external mass storage device into the USB port.
This menu allows you to access the media player, check PVR storage information, and change the PVR setting.

Media Player



This function allows you to play the media files from a USB or HDD.

The Media Player menu is clearly structured and any buttons that you may need to press to adjust a setting will be shown on the screen.

① In the "REC" menu, select "Media Player."
② Press the OK button to enter the Media Playback menu.
③ Press the "1" numeric button to switch menus among Music/Image/Video/PVR.
④ Press the OK button to play the files.
⑤ Press the EXIT button to exit.

Function of buttons in the Music/Image/Video menu

"RED" button	Show and edit the playlist.
"GREEN" button	Add the selected file to favorite file and playlist. Press again to cancel favorite and delete the file from playlist.
"YELLOW" button	Set all the files of current directory to favorite files and add to playlist. Press again to cancel favoring and delete all file of the current directory from the playlist.
"Blue"button ①	Edit the submenu for the selected file.
"1" button	Switch menu among Music/Image/Video/Record.
"2" button	Sort the files of the current directory by Name/Time/Size/favorite.
"3" button	View image in multi-view mode (for "Images" only).
"INFO" button	Set repeat mode (Repeat Folder/ Random Folder/Repeat One).
"EXIT" button	Return to the upper directory.

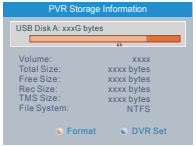
① When you are allowed to add a folder, and also name the folder by pressing numeric buttons, the numbers stand for:

0: _ - 0		
1: . - ?!@1	2: abc2	3: def3
4: ghi4	5: jkl5	6: mno6
7: pqrs7	8: tuv8	9: wxyz9

Function of buttons in the PVR menu

"RED" button	Rename the selected recording file.
"GREEN" button	Lock the selected recording file (a password is necessary for this operation). Press again to unlock the recording file.
"YELLOW" button	Delete the selected recording file.
"1" button	Switch menu among Music/Image/Video/Record.
"EXIT" button	Return to the upper directory.

PVR Storage Information



This menu allows you to check the parameters of the removable HDD.

① In the "REC" menu, select "PVR Storage Information" and press the OK button to open PVR Storage information window.

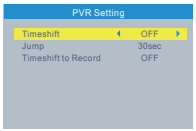
② Press the EXIT button to exit.





"YELLOW" button: Set format option (FAT32/NTFS).
"BLUE" button: Set DVR Type (REC & TMS/Record/-Timeshift).

PVR Setting



This menu allows you to set the PVR Settings.
Timeshift: On/Off
Jump: 30sec/1min/5min/10min/30min
Timeshift to Record: On/Off

Timeshift/Record

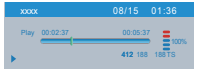
Inserting an external HDD into the USB port gives you access to Timeshift (recording a broadcast program).

- Pause a broadcast program and start watching it later (Timeshift).
- Record a broadcast program.
- When the HDD runs out of storage, the recording will stop.

Note:

- Please use a USB 2.0 disk for recording or Timeshift.
- For Timeshift and recording features, you need to use a USB drive or HDD with more than 2GB.
- The digital TV converter box supports USB flash disks and compatible with FAT32 and NTFS system only.

Timeshift



Initiate:

Press the "Pause" button to activate Timeshift in full screen mode.

- Press the RIGHT or LEFT Cursor button to select the time you want to start.
- Press the OK button to start Timeshift playback.

Playback:

During playback, it is possible to perform the following actions:

- "PAUSE": pause playback.
- "FORWARD": fast forward playback.
- "BACKWARD": rewind playback.
- "STOP": to stop Timeshift playback and go back to the Live program.

Record

Instant Record:

In full screen mode, press the RECORD button to record the current program.

- Press the "RECORD" button again to set duration.
- Press the "STOP" button to stop recording. A new window will open for confirmation.
- Select "Yes" to stop recording. Select "No" to continue recording.

Timer Record:

Enter the Timer Setting menu to set a timer record using the EPG or System setup option.

Troubleshooting

In some regions, the digital terrestrial signal may be weak. To reach channels with weak signals weak signals, you should use an antenna/aerial with a build-in booster.

Problem	Possible Cause	Solution
Standby light not lit.	Power is unplugged. Power fuse is blown.	Check the power cord. Check the fuse box.
No signal found.	Aerial is disconnected. Aerial is damaged/mis-aligned. Out of digital signal area.	Check aerial lead. Check aerial. Check with dealer.
No picture or sound.	HDMI/AV is not selected on your TV.	Switch to another channel.
Scrambled channel message.	Channel is scrambled.	Select alternative channel.
The remote control is not working.	(1) The batteries in remote control need replacing. (2) There is an obstruction blocking the signal path between the remote control and the box. (3) Box is off.	(1) Replace the batteries. (2) Make sure there is nothing blocking the path between the remote control and the box's remote sensor. (3) Plug in and turn on the digital TV converter box.
Digital signal cannot be received after moving the digital TV converter box to another room.	Before getting signal at a new place, the antenna/aerial may need to go through a signal transmitter system, which may reduce the digital signal received by the box.	Try to get signal directly from the aerial.
Forgotten channel lock code.		Re-install channels to cancel channel lock.

Specifications

TUNER & CHANNEL	• RF INPUT CONNECTOR x 1(F-Type jack) • RF OUTPUT CONNECTOR x 1(F-Type jack) • FREQUENCY RANGE:57-803MHz • Input impedance: 75 ohm
Demodulation • Standard • Guard interval Modes • FEC Modes Rate • Carriers/Constellation • Demodulation • Channel bandwidth	 • NTIA standard, 8VSB • 1/32, 1/16, 1/8, 1/4 Active Symbol duration • 1/2, 2/3, 3/4, 5/6, 7/8 • All modes supported including non-hierarchical QAM • COFDM (QPSK/QAM16/QAM64) 2K and 8K • 6 MHz
Video • Standard • Transport stream Video decoding • Aspect ratio	 • ISO/IEC 13818-2 and ISO/IEC 14496-10 • ISO/IEC 13818-1 MPEG-2 SD/HD (MP@ML, MP@L3 and HP@L4), MPEG-4 H.264/AVC SD/HD, DivX 4.X~5.X JPEG, BMP, PNG, Motion jPEG, AVI, VOB, MOV, MKV • 4:3, 16:9
Audio • Standard • Video decoding	 • ISO/IEC 13818-3 TS101154 • MPEG-1 and MPEG-2 Layer 1 & 2, Dolby D plus and Dolby D
CONNECTION • TUNER • DATA PORT • HDMI • RCA OUTPUT	 • ANTENNA INPUTx 1, RF OUTPUT x 1 • USB slot • HDMI Output x 1 • CVBS/L/R x 1
POWER SUPPLY • DC INPUT • POWER CONSUMPTION	 • 5V ⎓ 1A • MAX. 6W

DOLBY DIGITAL PLUS

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Disposal

Disposal of the appliance



Under no circumstances should you dispose of the appliance in normal domestic waste. This product is subject to the provisions of European Directive 2012/19/EU.

Dispose of the appliance via an approved disposal company or your municipal waste facility. Please observe currently applicable regulations. Please contact your waste disposal center if you need any further information.

Disposal of batteries



Used batteries may not be disposed of in household waste.

All consumers are statutorily required to dispose of batteries at a collection point provided by their local municipality or retail store.
The purpose of this obligation is to ensure batteries are disposed of in a non-polluting manner. Only dispose of batteries when they are fully discharged.



The appliance's packaging is made from environmentally friendly material and can be disposed of at your local recycling plant.

Customer Service/Kundenservice
Service Clients/Atención al cliente
Assistenza Clienti/カスタマーサービス

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To ensure speedy handling of your issue, please call or email us for assistance.
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Email: ushelp@1byone.com

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UK
To ensure speedy handling of your issue, please call or email us for assistance.
Phone: +44 158 241 2681
(Mon-Fri 9:00am - 6:00pm UTC)
Email: ukwebhelp@1byone.com

DE
Für eine zügige Bearbeitung ihres Problems, melden Sie sich bei uns wie folgt.
Email: euhelp@1byone.com

FR
Pour vous assurez une assistance rapide en cas de problème, veuillez envoyer un e-mail.
Email: euhelp@1byone.com

ES
Para garantizar una rápida atención de su problema, favor envíenos un email para ayudarle.
Email: euhelp@1byone.com

IT
Per supporto immediato in caso di bisogno, la invitiamo a contattarci via email.
Email: euhelp@1byone.com

JP
お客様の問題が直ちに解決されるため、ぜひメールにて弊社までご連絡ください。
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