



# Hunter E-Light Bluetooth<sup>®</sup> 140/155MHz

User manual



## **Introduction**

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Congratulations on choosing the Hunter E-Light Bluetooth! We are confident that this analogue/digital radio will give you many years of trouble-free use.

The Hunter E-Light Bluetooth is a professional radio that can handle both analogue and digital (DMR) communication. It has built-in Bluetooth, is very easy to use and has all the necessary features for secure and interference-free communication.

The radio complies with the Radio Equipment Directive 2014/53/EU (RED), the RoHS Directive 2011/65/EU and its amending directive (EU) 2015/863, and is IP54 rated.

Please read the user manual carefully before using your radio. We reserve the right to correct any typographical errors.

## **The package should contain the following:**

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- Hunter E-Light Bluetooth 140/155MHz
- Rechargeable battery
- Charging cup and mains adapter
- Two antennas (Norwegian 140MHz / Swedish 155MHz)
- Belt clip
- User manual

If anything is missing, please contact your retailer.

## Important information!

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- Only use Hunter original accessories that are designed for the radio. Incorrect accessories may damage the radio and void the warranty.
- If accessories are not used, ensure that the cover protects the accessory connector.
- Do not carry the radio by the antenna, as this may damage both the antenna and the radio's antenna connector.
- Do not transmit with the radio if the antenna is not connected.
- Do not short-circuit the battery terminals, as this may cause a fire or explosion.
- Never dispose of batteries in an open fire. Used batteries should be recycled.
- Do not attempt to repair the radio yourself. The radio may be damaged and any warranty will be void. If you have problems with the radio, contact your dealer.
- Clean the radio with a slightly damp cloth; do not use solvents or other strong chemicals.
- This device can be used by children aged 8 years and above and by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, provided they are supervised or have been given instructions on how to use the device safely and understand the risks involved. Children should not play with the device. Cleaning and maintenance may be performed by children aged 8 years and above if supervised by an adult.
- The radio must be switched off when charging.
- The charger and mains adapter are intended for indoor use only.
- RF exposure: The device meets RF exposure requirements when used 25 mm from your face and 0 mm from your body with the belt clip.
- AC adapter: Should be installed near the equipment and should be easily accessible.
- Lithium battery. There is a risk of explosion if the battery is replaced with an incorrect type; dispose of used batteries according to the instructions.
- To avoid interference with other devices or systems, turn off the radio in areas where this is required.
- Do not use the radio in environments that are sensitive to electromagnetic radiation, such as hospitals, aeroplanes, etc.
- Do not use the radio in environments where there is a risk of explosion, such as petrol stations or where there is gas, dust, smoke, etc.

## Radio

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### 1. On/Off/Volume knob

Turn on/Turn off/Adjust the volume

### 2. Channel/Function knob

Select channel/Select function in the menu

### 3. Antenna

155 MHz for Swedish and Danish channels, 140 MHz for Norwegian channels

### 4. Transmit button (PTT)

Press and hold to transmit

### 5. Key lock

Press and hold for 2 seconds to lock or unlock the front keys

### 6. Private channel (Dual channel)

Activate transmission/reception on the private channel for 7 seconds.

### 7. Menu / OK

To access the menu/ Select menu function and save settings

### 8. Back (↶)

Exit submenu/menu

### 9. Dual

#### (dual channel matching)

A short press starts or stops dual channel matching, hold for 2 seconds to select private channel.

### 10. PL tone/ Encryption

Shortcut key for PL tone (analogue)/ Encryption (digital)

### 11. Battery capacity

A short press shows the battery capacity in the display for 3 seconds

### 12. Speaker

The radio's built-in speaker

### 13. Microphone

The radio's built-in microphone

### 14. Accessory connector

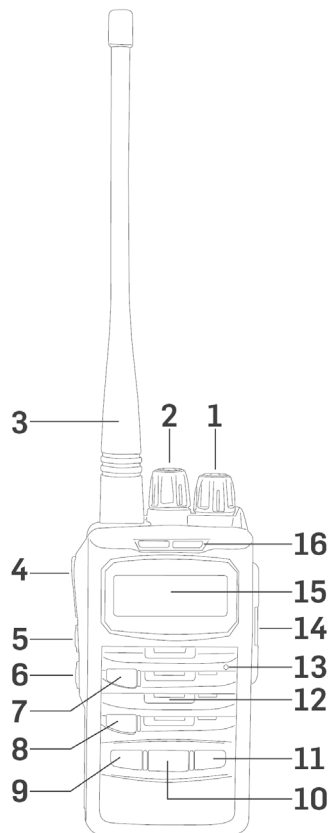
The earpiece socket is 3.5 mm and the microphone/PTT is 2.5 mm

### 15. Display

Shows the selected channel and set functions.

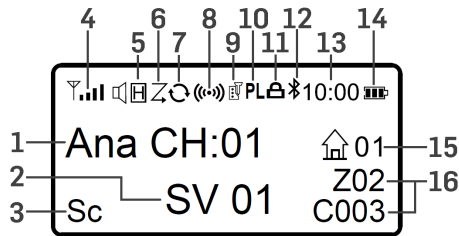
### 16. LED indicator

Green – reception  
Red – transmission  
Red flashing – low battery warning



## Display

1. Analogue/Digital channel and channel number
2. Channel name
3. Scanning list
4. Output power and field strength
5. High output power
6. Scanning (Channel matching)
7. Two-channel tuning
8. Whispering mode
9. Encryption
10. PL tone 11. Key lock
12. Bluetooth
13. Time
14. Battery capacity
15. Channel group
16. Private channel (channel group/channel number)

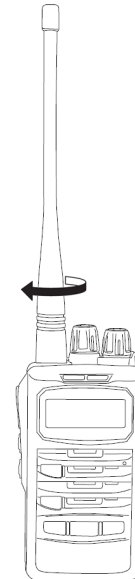


## Antenn

Screw the antenna onto the antenna connector until it is flush with the radio. Do not screw it in any tighter than necessary.

*Note! The radio comes with two antennas, a Norwegian 140 MHz antenna and a Swedish 155 MHz antenna (see the markings on the antenna). For best range and performance, select the correct antenna depending on the channels you are using. For Danish channels, the Swedish 155MHz antenna is recommended.*

Read Restrictions on page 40 before using the radio.



## Battery

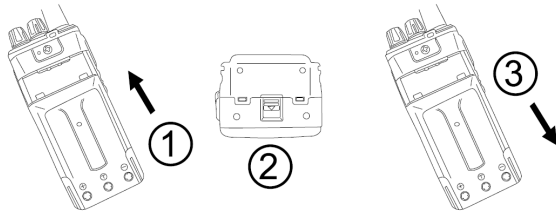
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The battery is installed on the back of the radio. Place the battery against the radio (1) and gently slide it up until you hear a click.

To remove the battery, press down on the battery lock on the bottom of the radio (2).

The battery will now come loose at the bottom and can be slid out (3).

The battery is a rechargeable Lithium-Ion (Li-Ion) battery. For best life and performance, follow the charging instructions.



## Charging

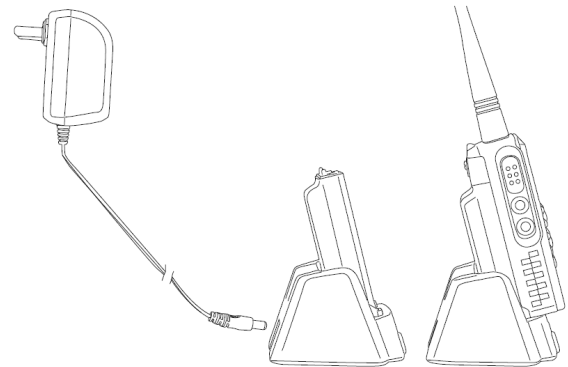
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Connect the mains adapter to the socket on the back of the charging cup and then connect the mains adapter to a 230V AC mains supply.

Place the battery or radio with battery in the charging cup. Charging will start and the charging indicator will light up red.

The battery will be fully charged after a few hours of charging. Charging will then stop and the charging indicator will change from red to green.

If the battery is completely discharged, it will be pulse charged for approximately three minutes before charging starts. The charging indicator will flash red during this period. If the charging indicator does not stop flashing, the battery is faulty and needs to be replaced.



## Note!

- The battery is a rechargeable Lithium-Ion (Li-Ion) battery, which means that you do not need to completely drain it between charges. Charging can be done at any time.
- A discharged battery takes approximately 6 hours to charge.
- Remove the radio/battery from the charger when the battery is fully charged. Charging for more than 3 days may reduce the battery life due to overcharging.
- The recommended temperature range for charging is +5°C to +40°C.
- For long-term storage, the battery should be charged every three months to maintain its capacity. The radio must be turned off; for safety reasons, remove the battery from the radio.
- The battery's life and capacity decrease both with use and over time. If the battery only lasts for a short time after charging, you need to buy a new battery.
- Only use the original charger supplied to avoid damaging the battery.
- The charger only charges Lithium-Ion (Li-Ion)/ Lithium-Polymer (Li-Poly) batteries.
- The radio must be switched off when charging.

## Accessory connector

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The external speaker/microphone sockets are located under the cover on the right-hand side of the radio.

The earpiece socket is 3.5 mm and the microphone/PTT socket is 2.5 mm.

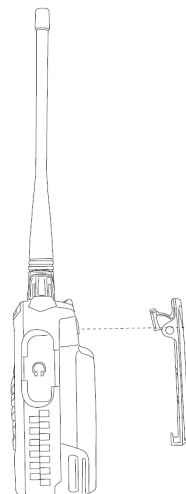
If accessories are not in use, ensure that the cover protects the accessory connector

## Belt clip

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The belt clip is screwed on.

First unscrew the screw from the back of the radio, then place the belt clip against the radio and screw the screw back in.



## On/Off/Volume

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Turn the volume knob clockwise to turn on the radio. The radio will now perform a short self-test, after which the last settings will be shown on the display.

Adjust the volume to a suitable level, normally to half volume. The volume will be adjusted to the correct level during reception. When adjusting, the display shows the volume level.

To turn off the radio, turn the volume knob counterclockwise until you hear a click.

## Display lighting

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The lighting is automatic and turns on when any button is pressed or the channel/volume is changed. It then stays on for 15 seconds. The lighting does not turn on when the PTT (transmit button) is pressed.

## Menu

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The radio's front buttons and channel/function dial can be used to set and activate the radio's functions. Each function is described in detail in separate chapters further on.

To access the radio's functions, press the menu button [M].

You can then use the function dial or the [◀] / [▶] buttons to select a function or setting.

The [OK] button activates the selected function submenu or saves the function setting, and [Back] exits the submenu/menu.

All settings are saved in the radio until a new setting is made. This also applies when the radio is turned off.

If no button is pressed for 15 seconds, the radio returns to normal mode.

## Language

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The radio has two display languages, Swedish and Norwegian.

1. Press [M] to access the menu.
2. Turn the function knob, select 'Language' and press [OK].
3. Turn the function knob, select "Swedish" or 'Norwegian' and press [OK] to save the setting.

## Time and Date

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1. Press [M] to access the menu.
2. Turn the Function knob, select 'Time/Date' and press [OK].

### Time:

3. Turn the Function knob, select 'Time' and press [OK].
  - To set the hours and minutes, turn the Function dial.
  - To change the position, press the [◀] or [▶] key.
4. Press [OK] to save the setting.

### Date:

5. Turn the Function dial, select 'Date' and press [OK].
  - To set the Year, Month and Day, turn the Function dial.
  - To change the position, press the [◀] or [▶] key.
6. Press [OK] to save the setting.
7. Finish by pressing [Back].



## Selecting a channel group

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The radio has 6 pre-programmed channel groups.

1. SV Analog – 7 analogue Swedish hunting channels
2. SV Digital – 28 digital Swedish hunting channels
3. NO Analogue – 6 analogue Norwegian hunting channels / 2 analogue hunting channels / 16 analogue security channels
4. NO Digital – 12 digital Norwegian hunting channels
5. DK Analogue – 1 analogue Danish hunting channel
6. DK Digital – 4 digital Danish hunting channels
  1. Press [M] to access the menu.
  2. Turn the Function knob, select 'Channel group' and press [OK].
  3. Turn the Function knob, select a new channel group and press [OK] to save the setting.

It is important to use the correct channel group for each country and the correct antenna for the best range and performance.

## Selecting a channel

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Turn the Channel knob clockwise or counterclockwise to select a channel. The selected channel is shown in the display.

Refer to the *Frequency Table* on page 35 and *Restrictions* on page 40 before using the radio.

## Transmission and reception

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Check that no one else is transmitting on the channel.

Press PTT (transmit button) to transmit. Hold the radio vertically 5–10 cm from your mouth and speak in a normal tone of voice. When the PTT is released, the receiver is activated.

The radio has a transmission limit that switches off the transmitter after 60 seconds. This is to avoid problems and interference if the PTT is accidentally held down for a longer period of time.

## Output power

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The output power of the radio is 5W and is fixed to prevent accidental changes. This is indicated by 'H' in the display.

## LED indicator

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The indicator shows the following:

- Solid green light – reception
- Solid red light – transmission
- Flashing red light – low battery warning

## Key lock

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The front buttons, channel knob and volume knob can be locked to prevent the radio settings from being accidentally changed, for example when carrying the radio in a pocket or backpack.

### To lock/unlock:

Press the Key Lock button for 2 seconds; 'L' appears in the display when the buttons are locked.

## Dual (Two-channel monitoring)

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Two-channel monitoring allows you to monitor radio calls on two channels simultaneously. You can choose which two channels to monitor by selecting a home channel and a private channel. These can be two analogue channels, two digital channels or one analogue and one digital channel.

The radio automatically monitors the two channels. If a conversation is in progress on either channel, monitoring stops and you can hear the conversation. Monitoring then restarts automatically after 7 seconds. During these 7 seconds, you also have the option to respond.

The symbol 'Ⓞ' appears in the display when the function is activated on the radio.

### Note!

- *If PL tone is enabled on an analogue channel or encryption on a digital channel, monitoring will only stop if the correct PL tone or encryption key is received.*
- *The home channel is the radio's preset channel shown on the display. The selected private channel is shown in the right corner of the display with the channel group and channel number.*
- *The private channel and home channel cannot be the same.*
- *If you press PTT (transmit button) during monitoring, the radio transmits on the home channel.*
- *If you start the function without selecting a private channel, 'Select Dual Channel First!' appears on the display.*
- *The private channel is common to the channel group.*
- *Operating time is reduced because the radio consumes more power when the function is activated.*

## Selecting/changing a private channel:

1. Press [Dual] for 2 seconds.
2. Turn the Function dial, select the channel group and press [OK].
3. Turn the Function dial, select the private channel and press [OK] to save the setting.

## Start/stop dual channel operation:

Press the [Dual] key.

## Transmit on private channel

Press the Private Channel key (bottom side key).

The private channel is now activated for 7 seconds for transmission or reception.

Press PTT (transmit key) to transmit; when PTT is released, the receiver is activated.


If there is no activity on the private channel (no transmission or reception) for 7 seconds, the radio will return to dual channel mode.

## Delete private channel:

1. Press [Dual] for 2 seconds.
2. Press [OK] twice.


## PL tone/Encryption (Quick key)

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The quick key [PL ] can be used to quickly switch on/off or change the PL tone on an analogue channel or encryption on a digital channel. For more information, see PL tones (CTCSS) on page 23 and Encryption on page 28.

## PL tone (analogue channel)

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1. Press [PL ].
2. Turn the Function dial, select PL tone '67.0 – 254.1Hz' to enable/change or select 'Off' to disable.
3. Press [OK] to save the setting.

## Encryption (digital channel):

1. Press [PL ].
2. Turn the Function knob, select Encryption 'On', "Off" or 'Key' to change the encryption key.
3. Press [OK] to save the setting.


## Battery capacity

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A short press on the battery capacity key [] shows the battery capacity in the display for 3 seconds.

## Low battery voltage warning

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Low battery voltage is indicated by '' appearing in the display and the red LED indicator starting to flash.

The battery must then be recharged as soon as possible. If you want to continue using the radio, the battery must be replaced with a fully charged one (optional accessory).

## Battery saving function

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The radio has a battery saving function that reduces battery consumption to a minimum, thereby extending operating time. If no signal is received for 10 seconds, the function is automatically activated.

## Scanning (Channel matching)

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The scanning function allows you to monitor radio calls on several channels simultaneously. You can choose which channels to monitor by creating a scanning list. The list can be a mixture of analogue and digital channels and from different channel groups.

The radio automatically monitors the channels you have selected. If a call is in progress on one of the channels, monitoring stops and you hear the call. Monitoring then resumes automatically after seven seconds. During these seven seconds, you also have the option to respond.

The symbol 'Sc' appears in the display on the channels included in the scanning list.

The symbol 'Z' appears in the display when the function is activated on the radio.

### Note!

- If PL tone is connected to an analogue channel or encryption on a digital channel, monitoring will only stop if the correct PL tone or encryption key is received.
- If you press PTT (transmit button) during monitoring, the radio will transmit on the home channel.
- If there are no channels or only one channel on the scan list, scanning will not start and 'No channels!' will appear in the display.
- Operating time will be shorter because the radio consumes more power when this function is activated.

### **Adding/removing channels from the scan list:**

1. Select Channel Group and channel.
2. Press [M] to enter the menu.
3. Turn the Function knob, select 'Scan list' and press [OK].
4. Turn the Function knob, select 'On' or 'Off' and press [OK] to save the setting.

### **Starting scanning:**

1. Press [M] to access the menu.
2. Turn the Function dial, select 'Scan' and press [OK].

### **Stop scanning:**

Press the [Back] key.

### **Whispering mode**

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The whispering mode function increases the microphone sensitivity of the radio so that you can speak very quietly and still be heard loud and clear on the receiving radio.

The symbol '«»' appears in the display when the function is activated on the radio.

### **Enable/disable stealth mode:**

1. Press [M] to access the menu.
2. Turn the Function dial, select 'Stealth mode' and press [OK].
3. Turn the Function dial, select 'On' or 'Off' and press [OK] to save the setting.

### **PL tones (CTCSS) – Analogue**

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The radio is equipped with an engageable and disengageable pilot tone (PL tone) per channel.

This means that if several hunting teams in close proximity to each other are using the same channel, they can avoid interference from each other's radio traffic by using different PL tones. It also avoids interference from other equipment that transmits digitally, such as dog locators or digital hunting radios.

The PL tone works by blocking the speaker in your own radio until the correct PL tone is received on the radio's set channel.

The symbol 'PL' appears in the display when the PL tone is enabled on the channel.

#### *Note!*

- *If the PL tone is activated, check that the channel is free before transmitting. If the channel is busy, the LED indicator will light up green.*
- *All radios within the same hunting team must have the same PL tone set in order to hear each other.*
- *The radio has 51 PL tones to choose from (38 standard and 13 extended).*
- *Some radio manufacturers display the PL tone with a number instead of a frequency. See the pilot tone table.*

### **Turn the PL tone on/off/change it:**

1. Select a channel.
2. Press [M] to access the menu.
3. Turn the Function knob, select 'PL Tone' and press [OK].
4. Turn the Function dial, select PL tone '67.0 – 254.1Hz' to turn on/change or select 'Off' to turn off.
5. Press [OK] to save the setting.

## Pilot table

No	Frequ.	No	Frequ.	No	Frequ.	No	Frequ.
01	67.0	14	107.2	27	167.9	40	69.3
02	71.9	15	110.9	28	173.8	41	159.8
03	74.4	16	114.8	29	179.9	42	165.5
04	77.0	17	118.8	30	186.2	43	171.3
05	79.7	18	123.0	31	192.8	44	177.3
06	82.5	19	127.3	32	203.5	45	183.5
07	85.4	20	131.8	33	210.7	46	189.9
08	88.5	21	136.5	34	218.1	47	196.6
09	91.5	22	141.3	35	225.7	48	199.5
10	94.8	23	146.2	36	233.6	49	206.5
11	97.4	24	151.4	37	241.8	50	229.1
12	100.0	25	156.7	38	250.3	51	254.1
13	103.5	26	162.2	39	62.5		

## Search PL tone (PL Scan) – Analogue

If you do not know which PL tone the hunting team is using, you can easily search for another radio's PL tone.

1. Select a channel.
  2. Press [M] to access the menu.
  3. Turn the Function knob, select 'PL-Scan' and press [OK].
    - Ask someone in the hunting party to transmit on the channel with their radio.
    - When the correct pilot tone is received, the tone frequency is shown in the display and you can hear the transmitting radio in the speaker.
  4. Press [OK] to save the PL tone.
- To exit the search function without saving, press [Back].

## Noise filter level – Analogue

Depending on the level of interference in your surroundings, the noise filter may need to be adjusted. The noise filter can be set to ten different levels. At 'Level 1' the noise filter opens most easily and at 'Level 9' it is most closed. If you select 'Level 0', the squelch is continuously open.

Be careful not to set the level higher than necessary, as this affects the radio's reception range. If the level is set too low, noise may be heard in the speaker, while if the level is set too high, weak signals will not be heard.

### Change noise filter level:

1. Press [M] to access the menu.
2. Turn the Function Dial, select 'Short Circuit Lock' and press [OK].
3. Turn the Function Dial, select a new level '1 – 9' or '0' for continuously open.
4. Press [OK] to save the setting.

## Radio ID – Digital

Each radio supplied has a unique 8-digit ID number so that it can be identified during digital transmission/reception.

When receiving, the transmitting radio's ID number is shown on the display. If you want the radio to display names instead of numbers, you must store the transmitting radio's ID number and name in the contact list.

The ID number is fixed on the radio to prevent accidental changes. If two radios accidentally have the same ID number, it will not be possible to know who is transmitting.

### Radio ID number:

1. Press [M] to access the menu.
2. Turn the Function knob, select 'Radio ID' and press [OK]. The radio ID number is displayed for 15 seconds.

## Contacts – Digital

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To facilitate operation and view the name of the transmitting radio in the display or make individual calls, you need to add contacts to the contact list.


### Adding a contact:

1. Press [M] to access the menu.
2. Turn the Function knob, select 'Contacts' and press [OK].
3. Turn the Function knob, select 'New Contact' and press [OK].

### Number:

4. Turn the Function dial, select 'Number' and press [OK].
  - To set the highlighted digit, turn the Function dial.
  - To change position, press the [◀] or [▶] key.
5. Press [OK] to continue.

### Name:

6. Turn the Function Dial, select 'Name' and press [OK].
  - Press [OK] to proceed. To set the first letter, press [OK].
  - Turn the Function Dial to set the second letter and press [OK], etc.
  - Press [Back] to delete a letter.
  - Press [PL ] to switch between upper and lower case letters or numbers.
7. Press [OK] to continue.

### Save:

8. Turn the Function dial, select 'Save' and press [OK].
9. Finish by pressing [Back].

### Edit/Delete contact:

1. Press [M] to access the menu.
2. Turn the Function dial, select 'Contacts' and press [OK].
3. Turn the Function dial, select 'Contact list' and press [OK].
4. Turn the Function dial, select the contact from the list and press [OK].

### Edit:

5. Turn the Function dial, select 'Edit' and press [OK].
6. Edit the Number and Name and save the setting.

### Delete:

7. Turn the Function dial, select 'Delete' and press [OK]. 'Are you sure?' appears in the display.
8. Press [OK] to delete or [Back] to cancel.
9. Finish by pressing [Back].

## Individual calls (Radio to Radio) – Digital

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To make individual calls (radio to radio), you must first add contacts to the contact list. Then select the contact in the contact list and press PTT (transmit key) to transmit.

1. Press [M] to access the menu.
2. Turn the Function Dial, select 'Contacts' and press [OK].
3. Turn the Function knob, select 'Contact List' and press [OK].
4. Turn the Function knob, select the contact in the list and press PTT (transmit key) to transmit.

### Note!

*When an individual call is made, you have seven seconds to respond, after which the radio returns to normal mode. The seven seconds are reset each time the radio receives or transmits individually.*

## Encryption – Digital

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Radio is equipped with an encryption function that can be switched on and off for each channel. When transmitting, the transmitting radio encodes the voice using a secret key. The receiving radio must then have the same secret key to decode and hear the conversation. This provides tap-proof and interference-free communication.

The symbol '🔒' appears in the display when encryption is enabled on the channel.

### Note!

- All radios within the same hunting team must have the same key set on the channel in order to hear each other.
- The radio key is in hexadecimal form with 4 characters, which gives 65,536 different combinations.
- If encryption is enabled, check that the channel is free before transmitting. If the channel is busy, the LED indicator will light up green.

### Connect/disconnect/change the encryption key:

1. Select a channel.
2. Press [M] to access the menu.
3. Turn the Function dial, select 'Encryption' and press [OK].

### On:

4. Turn the Function Dial, select 'On' and press [OK] to switch on and save.

### Off:

5. Turn the Function Dial, select 'Off' and press [OK] to switch off and save.

### Key:

6. Turn the Function dial, select 'key' and press [OK] to change the encryption key for the channel.
  - To set the selected number, turn the Function dial.
  - To change the position, press the [◀] or [▶] key.
7. Press [OK] to save the key and enable the encryption function on the channel.

## Bluetooth

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Before you can use Bluetooth, the radio must be paired with a headset or hearing protection.

Read the headset/hearing protection manual for the pairing procedure.

🔗 This symbol appears in the display when Bluetooth is activated on the radio.

📞 This symbol appears in the display when the radio is connected to a headset/hearing protection.

### Turn Bluetooth on/off:

1. Press [M] to access the menu.
2. Turn the Function dial, select 'Bluetooth' and press [OK].
3. Press [OK] to turn the Bluetooth function "On" or turn it 'Off'.
4. Finish by pressing [Back].

### **Pairing with headset / earphones:**

1. Press [M] to access the menu.
2. Turn the Function dial, select 'Bluetooth' and press [OK].
3. If Bluetooth is 'Off', press [OK] to switch it to 'On'.
4. Turn the Function knob, select 'Headset' and press [OK]; 'Search' appears in the display.

*Note! If a previously paired headset/earphones is displayed, turn the Function knob and select 'Search'.*

5. Press [OK] to start the pairing procedure on the radio, then start the pairing procedure on the headset/earphones. 'Searching' is shown in the display.
6. When the radio detects the headset/earphones, its name will appear.
7. Press [OK] to pair and save the headset/earphones. 'Connecting' will appear in the display. 8. Finish by pressing [Back].

#### **Note!**

- *Pairing only needs to be done once. When you turn the radio off and on again, it will automatically connect to the headset/ear defenders.*
- *If pairing fails, repeat the pairing procedure.*
- *Keep the radio and headset/ear defenders close to each other. Pairing works best when communication between the devices is strongest.*
- *The radio can only be paired with one headset or hearing protector. If you pair it again, the old headset/hearing protector will be replaced.*

### **Delete the headset/earphones:**

1. Press [M] to access the menu.
2. Turn the Function dial, select 'Bluetooth' and press [OK].
3. If Bluetooth is 'Off', press [OK] to switch it to 'On'.
4. Turn the Function dial, select 'Headset' and press [OK]; the name of the paired headset/earphones will be displayed.
5. Press [OK]; 'Delete' will be displayed.
6. Press [OK] again to delete.
7. Finish by pressing [Back].

### **Transmission and reception**

Press the PTT (push-to-talk) button on the radio or headset/ear muffs (if it has a PTT button) to transmit. When the PTT is released, the receiver is activated. The volume is adjusted using the radio's volume control.

The volume can also be adjusted on the headset/earmuffs if they have this function.

#### **Note!**

- *If the headset/earpiece has a transmit button with PTT support, the radio transmits as long as the button is pressed, just like the radio's transmit button. All Hunter models have this support.*
- *Mobile headsets without PTT support require you to press the BT button once to start and then once again to stop the transmitter. In this case, it is advantageous to press the radio's transmit button.*
- *The range for Bluetooth is normally around 10 metres but may vary depending on the environment in which the device is used.*



## Microphone

You can select which microphone to use when transmitting.

**External:** The headset/earmuffs microphone is used.

**External+Internal:** The headset/earmuffs and the radio's internal microphone are used.

**Internal:** The radio's internal microphone is used

*Note!*

· *External+Internal: The headset/earmuffs microphone and the radio's internal microphone work simultaneously only if the transmit button on the radio is pressed.*

· *Internal: The radio's internal microphone works only if the transmit button on the radio is pressed.*

## To select the microphone

1. Press [M] to access the menu.
2. Turn the Function dial, select 'Bluetooth' and press [OK].
3. If Bluetooth is 'Off', press [OK] to switch it to 'On'.
4. Turn the Function dial, select 'Microphone' and press [OK].
5. Turn the Function dial, select 'External', 'External+Internal' or 'Internal' and press [OK] to save the setting.
6. Finish by pressing [Back].

## Resetting to factory settings

If you have accidentally changed a setting and do not know how to reset it, or if the radio is not working as you want it to, you can reset it to factory settings.

1. Press [M] to access the menu.
2. Turn the Function knob, select 'Reset' and press [OK]. 'Are you sure?' appears in the display.
3. Press [OK] to reset or [Back] to cancel.

*Note! All saved settings will be reset and disappear from the radio.*

## Warranty terms

The warranty period is 24 months, unless otherwise stated, from the date the product was purchased from the retailer. The validity of the warranty must be verified with an invoice or receipt stating the date of purchase. In addition to the provisions of the Consumer Sales Act, the warranty covers only the radio unit, excluding the battery and antenna.

Rechargeable batteries are classified as consumables and are covered by a 6-month functional warranty.

**If a fault is discovered in the product during the warranty period, contact your retailer.**

The warranty does not cover faults caused by negligence or incorrect use of the product.

The warranty does not cover faults caused by accidents, abnormal use, neglected maintenance, incorrect care, incorrect voltage or current, modifications, interventions or repairs not carried out by an authorised service agent.

The warranty also does not apply if the device's serial number has been removed/altered or if the fault is caused by non-original accessories.

If the receipt or fault description is missing, the product is not covered by the warranty.

## Responsible disposal



This symbol indicates that this product should not be disposed of with household waste. This applies throughout the EU. To prevent any damage to the environment or health risks due to incorrect waste disposal, the product should be recycled so that the material can be disposed of responsibly. When recycling your product, take it to your local waste disposal facility or contact the place of purchase. They will ensure that the product is disposed of in an environmentally friendly manner.

## Technical specification

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### General

Model:	Analogue/Digital (DMR)
Frequency range:	136 – 174 MHz
Number of channel slots:	4000 (16 channel groups with 250 channel slots)
Number of PL tones:	51 selectable per channel
Channel spacing:	12,5kHz / 25kHz
Temperature range:	From –20° C to +55° C
Power supply:	7.4V / 2600mAh Lithium-Ion battery
Operating time 5-5-90%:	More than 17 hours (5% transmission, 5% reception, 90% standby)
Digital Vocoder:	AMBE+2™
Digital Standard:	TDMA (ETSI-TS102 361-1, -2, -3)

### Transmitter

Output power:	5W (H)
Analogue modulation (FM):	12,5kHz – 11K0F3E 25kHz – 16K0F3E
Digital modulation (4FSK):	12,5kHz Data – 7K60F1D & 7K60FXD 12,5kHz Audio – 7K60F1E & 7K60FXE 12,5kHz Data & Audio – 7K60F1W

### Recipient

Sensitivity:	Analog (12dB SINAD) – bättre än 0,20µV Digital (5% BER) – better than 0,20µV
LF effect:	800 mW

### Bluetooth

Frequency:	2,4GHz
Class:	2
Range:	10m
Profiles:	Hands Free Profile (HFP), Headset Profile (HSP)
Version:	5.0

### Mechanics

Dimensions:	118 x 60 x 44 mm (including battery)
Weight:	280 g (including battery and antenna)
Environmental resistance:	IP54

## Frequency table

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The radio has 6 pre-programmed channel groups. If you want channels other than the pre-programmed ones, please contact your dealer.

### 1. SV Analogue

7 analogue Swedish hunting channels

	Frequency
Channel (Receiving/Transmitting)	
SV 01	155.425 MHz
SV 02	155.475 MHz
SV 03	155.500 MHz
SV 04	155.525 MHz
SV 05	156.000 MHz
SV 06	155.400 MHz
SV 07	155.450 MHz

## 2. SV Digital

14 digital Swedish hunting channels (Swedish Digital Hunting  
Radio Standard 2023) 14 digital Swedish hunting channels (extra)



Channel	Frequency (Receiving/Transmitting)	TS (Time slot)	CC (Color code)	CT / ID (Call type /Contact ID)	TDMA (DCDM)
SV DMR 01	155.418750 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 02	155.431250 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 03	155.468750 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 04	155.481250 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 05	155.493750 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 06	155.506250 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 07	155.518750 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 08	155.531250 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 09	155.993750 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 10	156.006250 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 11	155.393750 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 12	155.406250 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 13	155.443750 MHz	1	1	All Cat/ 16777215	OFF
SV DMR 14	155.456250 MHz	1	1	All Cat/ 16777215	OFF
SV D1	155.425 MHz	1	1	All cat/ 16777200	ON
SV D2	155.475 MHz	1	1	All cat/ 16777200	ON
SV D3	155.500 MHz	1	1	All cat/ 16777200	ON
SV D4	155.525 MHz	1	1	All cat/ 16777200	ON
SV D5	156.000 MHz	1	1	All cat/ 16777200	ON
SV D6	155.400 MHz	1	1	All cat/ 16777200	ON
SV D7	155.450 MHz	1	1	All cat/ 16777200	ON
SV D8	155.425 MHz	2	2	All cat/ 16777200	ON
SV D9	155.475 MHz	2	2	All cat/ 16777200	ON
SV D10	155.500 MHz	2	2	All cat/ 16777200	ON
SV D11	155.525 MHz	2	2	All cat/ 16777200	ON
SV D12	156.000 MHz	2	2	All cat/ 16777200	ON
SV D13	155.400 MHz	2	2	All cat/ 16777200	ON
SV D14	155.450 MHz	2	2	All cat/ 16777200	ON

## 3. NO Analogue

6 analogue Norwegian hunting channels  
2 analogue hunting channels  
16 analogue security channels

Channel	Frequency (Receiving/Transmitting)	Channel	Frequency (Receiving/Transmitting)
NO 01	143.900 MHz	Sikr. 05	143.700/ 139.200 MHz
NO 02	139.400 MHz	Sikr. 06	139.375 MHz
NO 03	143.350 MHz	Sikr. 07	143.750/139.250 MHz
NO 04	138.850 MHz	Sikr. 08	143.775/ 139.275 MHz
NO 05	143.250 MHz	Sikr. 09	143.775 MHz
NO 06	138.750 MHz	Sikr. 10	143.675/ 139.175 MHz
Sank 01	143.125 MHz	Sikr. 11	143.550/ 139.050 MHz
Sank 02	138.625 MHz	Sikr. 12	143.850/ 139.350 MHz
Sikr. 01	143.875 MHz	Sikr. 12A	143.625/ 139.125 MHz
Sikr. 02	143.800/ 139.300 MHz	Sikr. 12B	143.825/ 139.325 MHz
Sikr. 03	139.225 MHz	Sikr. 12C	143.575/ 139.075 MHz
Sikr. 04	143.725 MHz	Sikr. 13	143.525/ 139.025 MHz

#### 4. NO Digital

12 digital Norwegian hunting channels



<b>Channel</b>	<b>Frequency</b>	<b>TS</b>	<b>CC</b>	<b>CT / ID</b>	<b>TDMA</b>
(Receiving/Transmitting)	(Time slot)	(Color code)	(Call type /Contact ID)	(DCDM)	
NO 01 DMR	143.893750 MHz	1	1	Group cal/ 100000	OFF
NO 02 DMR	143.906250 MHz	1	1	Group cal/ 100000	OFF
NO 03 DMR	139.393750 MHz	1	1	Group cal/ 100000	OFF
NO 04 DMR	139.406250 MHz	1	1	Group cal/ 100000	OFF
NO 05 DMR	143.343750 MHz	1	1	Group cal/ 100000	OFF
NO 06 DMR	143.356250 MHz	1	1	Group cal/ 100000	OFF
NO 07 DMR	138.843750 MHz	1	1	Group cal/ 100000	OFF
NO 08 DMR	138.856250 MHz	1	1	Group cal/ 100000	OFF
NO 09 DMR	143.243750 MHz	1	1	Group cal/ 100000	OFF
NO 10 DMR	143.256250 MHz	1	1	Group cal/ 100000	OFF
NO 11 DMR	138.743750 MHz	1	1	Group cal/ 100000	OFF
NO 12 DMR	138.756250 MHz	1	1	Group cal/ 100000	OFF

#### 5. DK Analogue

1 analogue Danish hunting channel

<b>Channel</b>	<b>Frequency</b>
(Receiving/Transmitting)	
DK 01	164.350 MHz

#### 6. DK Digital

4 digitala danska jaktkanaler



<b>Channel</b>	<b>Frequency</b>	<b>TS</b>	<b>CC</b>	<b>CT / ID</b>	<b>TDMA</b>
(Receiving/Transmitting)	(Time slot)	(Color code)	(Call type /Contact ID)	(DCDM)	
DK DMR 01	164.343750 MHz	1	1	All Cal/ 16777215	OFF
DK DMR 02	164.356250 MHz	1	1	All Cal/ 16777215	OFF
DK D1	164.350 MHz	1	1	All cal/ 16777200	ON
DK D2	164.350 MHz	2	2	All cal/ 16777200	ON

## Restrictions



The radio is pre-programmed with Swedish, Norwegian and Danish hunting channels according to the frequency table.

Make sure you know what applies in each country before using your radio.

- Swedish channels are only permitted for use in Sweden and do not require a licence.
- Norwegian channels are only permitted for use in Norway and require a licence from the Norwegian Hunting and Fishing Association (NJFF) and Sikringsradioen AS.
- Danish channels are only permitted for use in Denmark; contact the national authority in Denmark regarding use.
- For use in other countries, contact the relevant country's authority.

## Declaration of conformity

Hunter Sales i Stockholm AB hereby declares that this type of radio equipment, the Hunter E-Light Bluetooth 140/155MHz, complies with the Radio Equipment Directive 2014/53/EU and the RoHS Directive 2011/65/EU and its amending directive (EU) 2015/863.

The full text of the EU declaration of conformity is available at the following web address: <https://hunterworld.se/wp-content/uploads/2024/07/hunter-jaktradio-e-light-bluetooth-140-155-doc.pdf>

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