PACKTALK SKI
MANUAL

cardo
communication in motion

POWERED BY
DMC

scala rider PACKTALK™

For easy reference while on the slope, download the Pocket Guide from www.cardosystems.com/wp-content/uploads/guides/pocket/en/packtalkSki.pdf.

This is version 1.0 of the PACKTALK SKI Manual. The latest version of the manuals in your preferred language and various tutorials can be found at

www.cardosystems.com/wp-content/uploads/guides/manual/en/packtalkSki.pdf.

Register your PACKTALK SKI

Registering your PACKTALK SKI allows you to download software patches, enjoy new features that are offered from time to time, and most importantly, assures smooth handling of any warranty issues you may have. In the future, your registered PACKTALK SKI may also be eligible for free product upgrades.

It's easy, just visit www.cardosystems.com/update and you'll be done in no time. Also, rest assured: Cardo does not share your details with others.

Be SMART, register your PACKTALK SKI.

CONTENTS

1. INTRODUCTION

Thank you for choosing the Cardo PACKTALK SKI communication and entertainment system for winter sports helmets.

We wish you a great PACKTALK SKI experience and encourage you to visit www.cardosystems.com/support/packtalk-ski/ regarding any questions, suggestions or comments you may have.

If you have not yet installed the PACKTALK SKI unit on your helmet, please install it as described in the Installation Guide provided in the package.

And don't forget to register your PACKTALK SKI at www.cardosystems.com/update.

2. GETTING STARTED
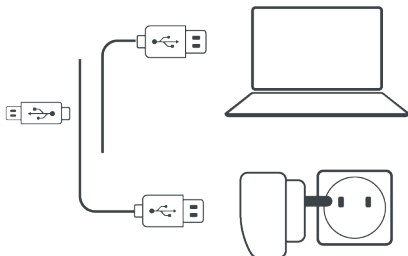
2.1 GETTING TO KNOW YOUR PACKTALK SKI
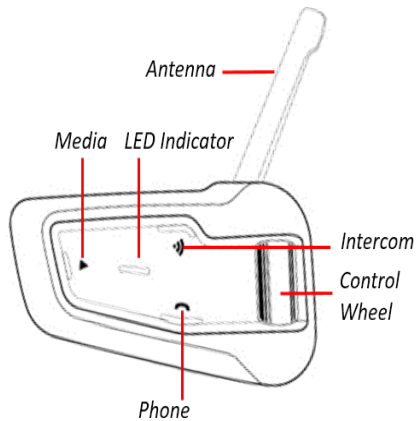
2.2 CHARGING THE PACKTALK SKI

> Make sure that your PACKTALK SKI battery is charged for at least 4 hours before initial use.

To charge the unit:

1. Using the supplied USB cable, connect your computer or wall charger to the USB port on your PACKTALK SKI.

> - Charging with the wall charger is faster than via a computer USB port.
> - Charging your unit switches it off automatically. To use your unit while it is being charged, switch it on. (see Switching Your Unit On/Off on page 5).

While charging, the LED indicates the charging status as follows:

- Red LED on – charging

- Red LED off – charging complete

2.3 SWITCHING YOUR UNIT ON/OFF

To switch your PACKTALK SKI on:

- Press both ▶ and ☾ for **1 second**.
  The speaker plays an ascending tone and a voice message greets you.

  The LED confirms your PACKTALK SKI is on:

- Normal and low battery – LED flashes blue three times, then green.

- Charging – LED flashes red and purple three times.

To switch your PACKTALK SKI off:

- Press both and .
  The LED flashes red three times, confirming that your unit is switching off. The speaker plays a descending tone and a voice message, "Goodbye".

2.4 USING YOUR PACKTALK SKI

You can operate the various features of your PACKTALK SKI in the following ways:

- Press a button or combination of buttons on the unit.

- Use the Cardo Mobile App on your mobile device (once it is paired with the unit).

2.5 PAIRING YOUR UNIT TO BLUETOOTH DEVICES

To connect your unit to a Bluetooth device, you must first pair them. Once paired, they automatically recognize each other whenever they are within range.

To pair your Bluetooth channel to a mobile phone:

1. Enable Bluetooth on the mobile phone.

2. On the unit in standby mode, press for **5 seconds**.
   The LED flashes red and blue.

3. On your mobile phone, search for Bluetooth devices.

4. When your PACKTALK SKI appears in the list of available devices, select it.
   If prompted for a PIN or Passkey, enter 0000 (four zeros).

   The phone confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

> - If pairing is not completed within 2 minutes, the unit automatically returns to Standby.
>
> - Not all Bluetooth mobile phones broadcast Bluetooth Stereo music (A2DP) even if the phone has an MP3 player function. Consult your mobile phone's user manual for more information.

To cancel the pairing process:

- Press for **2 seconds**.
  The LED stops flashing red and blue/green.

3. ON THE SLOPE

PACKTALK SKI makes it easy for you to receive phone calls and listen to music in a convenient and safe manner.

3.1 BASIC AUDIO FUNCTIONS

The basic audio functions are the same whether you are listening to music, speaking on the intercom, or having a phone conversation.

To turn the volume up:

- Roll the Control Wheel inward.
  An increasingly louder tone is played on the speaker until you reach the maximum volume, as indicated by the maximum volume tone.
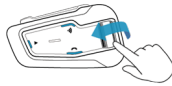
To turn the volume down:

- Roll the Control Wheel outward.
  An increasingly quieter tone is played on the speaker until you reach the minimum volume, as indicated by the minimum volume tone.
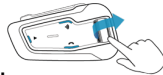
To mute/unmute the microphone only:

- Tap the Control Wheel.

To mute/unmute the group:

- Press the Control Wheel for 2 seconds.

3.2 MAKING AND RECEIVING PHONE CALLS

You can use your mobile phone to make and receive phone calls while paired to your PACKTALK SKI.

To make a phone call:

- To dial using your mobile phone's voice dial option, tap 🔘 .

To answer a call:

- Tap 🔘 or 🔘 or 🔘 , or tap the Control Wheel.

To reject a call:

- Press 🔘 or 🔘 or 🔘 for 2 seconds.

To end a call:

- Tap 🔘 or 🔘 or 🔘 , or tap the Control Wheel.

3.3 STREAMING MUSIC

You can stream music from your paired device to your PACKTALK SKI.

To start music streaming from your paired device:

- Tap ▶️ ."

To stop music streaming:

- Press ▶️ for 2 seconds.

To skip to the next track (while streaming):

- Tap ▶️ .

To skip back to the previous track (while streaming):

- Tap ▶️ twice.

4. SKIING WITH OTHERS

Your PACKTALK SKI features two distinct intercom communication modes: the traditional Bluetooth protocol and the Cardo's Dynamic Mesh Communications (DMC) technology.

DMC is the best way to communicate in a group. In DMC mode, you can instantly create or join a dynamically fluid network of up to 15 skiers and snowboarders to communicate in full conference mode. Unlike Bluetooth, DMC allows anyone in the group to roam freely, overtake each other or even leave the group altogether, without affecting the ongoing conversations of the remaining group members. You can also use the DMC intercom to communicate privately with another skier/snowboarder.

Of course, you can still use Bluetooth to connect to devices, such as your smartphone.

How Does DMC Work?

Anyone can start a new DMC group.

In DMC intercom mode, skiers and snowboarders can join, leave, and rejoin existing DMC groups without affecting the ongoing conversation among the other group members. If a group member goes out of range, the remaining group members are automatically re-connected within split seconds to a closer group member, bypassing the absent or remote member. This way, all active skiers and snowboarders remain connected to each other.

4.1 DMC INTERCOM

You can use the DMC intercom to speak with other skiers or snowboarders in your DMC group. For more information on creating DMC intercom groups, see Setting Up DMC intercom Groups on page 9.

Using the DMC intercom, all members in a group speak hands-free. A group member performs no additional operation to speak to or hear other people in the group.

Using the DMC intercom, you can also:

- Mute/unmute DMC intercom groups, see Muting/Unmuting DMC Intercom Groups on page 11
- Delete DMC intercom groups, see Deleting DMC intercom Groups on page 10
- Listen to music while in DMC intercom groups, see Background Audio Level and Audio Source Priorities on page 11

4.1.1 SETTING UP DMC INTERCOM GROUPS

You can manage DMC intercom groups to suit your individual requirements, this includes creating groups, joining groups, leaving and rejoining groups, or changing your active group.

DMC intercom groups are created by a group creator. Each group can have up to 15 members: one group creator/admin and a maximum of 14 group members.

When creating a group, all members should be within 3 meters (10 feet) of the creator. The group continues functioning even if the creator is no longer available.

If a group member's connection is lost, he/she remains part of the group and reconnects automatically once in range.

4.1.1.1 CREATING DMC INTERCOM GROUPS

When creating a DMC group, you must coordinate with the other skiers/snowboarders who will be the group creator.

To create a DMC group:

1. Confirm your PACKTALK SKI is in DMC intercom mode (LED flashes green slowly).

2. The group creator and all group members: Press (⋅))) for 5 seconds. The LED flashes green quickly.

3. Only the group creator: Tap (⋅))). The LED flashes red and green quickly.

4. Other members can join the group within 2 minutes.

5. After each member joins successfully, the LEDs of the joined unit and the creator's unit flash purple.

   After grouping is completed, the DMC intercom conference starts automatically.

4.1.1.2 JOINING DMC INTERCOM GROUPS

You can join or rejoin a DMC intercom group created by another skier/snowboarder.

If your DMC group connection is lost, you remain part of the group. Once in range of any other group member, you automatically reconnect.

If your DMC group splits with some group members remaining in range of each other but not in range of all group members, you can continue speaking with the members still in range. Once in range of any other group member, you automatically reconnect.

If you join a new DMC group, you automatically leave your existing DMC group.

To join an existing DMC group:

1. Confirm your PACKTALK SKI is in DMC intercom mode (LED flashes green slowly).

2. Both you and the group creator: Press (⋅))) for 5 seconds. The LED flashes green quickly.

3. Only the group creator: Tap (⋅))). The LED flashes red and green quickly.

   The color of the flashing LED indicates whether you have been added to the group:

   - **Purple**: You have successfully joined the group.
   - **Yellow**: You cannot join the group because it has already reached the maximum number of members.
   - **Red**: Failed to join.

4.1.1.3 DELETING DMC INTERCOM GROUPS

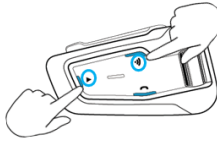> If you delete a DMC intercom group, you must rejoin it if you want to connect to it again in the future.

To delete a DMC group:

1. Confirm your PACKTALK SKI is in DMC intercom mode (LED flashes green slowly).

2. Press (⋅))) for 5 seconds. The LED flashes green quickly.

3. Press and for 2 seconds.

4.1.2 USING DMC INTERCOM

4.1.2.1 MUTING/UNMUTING DMC INTERCOM GROUPS

Muting the DMC intercom mutes your microphone and speaker. Unmuting the DMC intercom restores sound to your microphone and speaker.

To mute/unmute the DMC group:

1. Confirm your PACKTALK SKI is in DMC intercom mode (LED flashes green slowly).

2. On your unit, press the control wheel for 2 seconds.

4.1.2.2 BACKGROUND AUDIO LEVEL AND AUDIO SOURCE PRIORITIES

The PACKTALK SKI can use parallel audio streaming to stream audio from two connected sources simultaneously, so that you can listen to your music while holding a DMC intercom conversation. PACKTALK SKI automatically manages your music volume while using DMC intercom. PACKTALK SKI also automatically manages DMC intercom volume with mobile phone calls.

5. TROUBLESHOOTING

5.1 SOFT RESET

If your PACKTALK SKI stops responding, reset it in one of these ways:

- Turning it off and then on again (see Getting Started on page 5).
- Using the supplied USB cable, connect your unit to the computer or wall charger for 30 seconds.

5.2 RESET TO FACTORY SETTINGS

This option deletes all paired units, devices and all configuration settings.

To perform a factory reset through the unit:

1. Check that your PACKTALK SKI is in Standby mode (see LED Indications on page 14).

2. Simultaneously press ⓐ + ⓑ + ⓒ for **5 seconds**.
   The LED flashes purple 5 times slowly, confirming that pairing has been reset.

5.3 FAQ

Additional answers to common problems can be found at https://www.cardosystems.com/support/packtalk-ski-support/.

6. PERSONALIZING YOUR DEVICE

Get the most out of your PACKTALK SKI by changing the settings and customizing your unit according to your own personal preferences, using the Cardo Mobile App on iOS or Android devices.

> Cardo recommends you customize your settings before going out on the slopes. You can adjust any of these settings as required after experiencing them under on-slope conditions.

Object	Default Value	Description	Cardo Mobile App (iOS/Android)
AGC sensitivity (Off/Low/Medium/High)	Medium	AGC automatically adjusts speaker volume according to ambient noise and riding speed. For example, when set to Low, higher ambient noise will cause the volume increase to kick in at a higher level.	✓
Background Audio Level	N/A	Sets the background audio volume when parallel audio streaming is on.	✓
Create, join or leave a group of skiers/snowboarders	Empty	DMC intercom groups. For more information, see Setting Up DMC intercom Groups on page 9.	✓
Spoken Status Announcements (Enable/Disable)	Enable	Voice announcements inform you to whom or to what device you are connected.	✓

7. LED INDICATIONS

Your PACKTALK SKI operates in various modes. Each mode consists of a group of features currently available for your use. For example, when PACKTALK SKI plays music, it will be in music playing mode, enabling features related to playing music such as skipping to the next and previous tracks.

Events are considered to occur whenever you operate a feature and when PACKTALK SKI responds. For example, turning on music is an event.

PACKTALK SKI's current mode is indicated by the unit LEDs. You also hear voice announcements on your unit for mode changes and events.

The following table shows LED indications for modes and events according to the current battery state.

LED	Flashing	Battery State	Mode or Event
Green	Fast (three times)	Normal Low Battery Charging	• Power on
Green	Slow (repeated at 3-second intervals)	Normal	• Standby
Green	Slow twice (repeated at 3-second intervals)	Normal	• Audio active (A2DP)
Green	Fast twice (repeated at 1-second intervals)	Normal or Low Battery	• Active DMC intercom call
Green	Fast (repeating)	Normal or Low Battery	• Pairing DMC intercom
Purple	For 2 seconds	Normal Low Battery Charging	• Mobile pairing successful • Mobile connected
Red	For 2 seconds	Normal or Low Battery	• DMC intercom pairing failed
Red	Fast (repeated at 3-second intervals)	Low Battery	• Standby DMC intercom
Red	Fast (repeated at 3-second intervals)	Low Battery	• Standby
Red	Fast (3 times)	Normal Low Battery Charging	• Power off
Red	Remains on	Charging	• Off
Red/Blue	Alternating fast	Normal Low Battery Charging	• Pairing Mobile
Yellow	For 2 seconds	Normal Low Battery Charging	• Intercom call attempted without microphone or audio kit connected

8. GLOSSARY

Term/Abbreviation	Description
A2DP	Advanced Audio Distribution Profile (for music). A protocol for playing music over Bluetooth.
AGC sensitivity	AGC (Automatic Gain Control) automatically adjusts speaker volume and microphone sensitivity according to ambient noise and riding speed.
Device	Mobile phone or music player.
DMC	Dynamic Mesh Communications.
Language	Voice announcements and voice commands language.
Unit	Cardo or non-Cardo Bluetooth Communication system.

9. SUPPORT

For additional information:

🖥 www.cardosystems.com/support/packtalk-ski/

To avoid potential problems and to receive our support and warranty coverage, we strongly recommend buying our products only from authorized Cardo sellers.

Your favorite brick-and-mortar store is always your best bet. Unauthorized online resellers and online auction sites such as eBay are not among Cardo's authorized sellers, and purchasing our products from such sites will be at your own risk. Cardo strives to provide quality products and exceptional customer service. We select sellers who share that vision. Buying grey market items from unauthorized online sellers is counterproductive and also adversely affects unsuspecting online consumers who may be purchasing used, counterfeit or defective products or devices whose warranties are void. Protect your investment by purchasing genuine Cardo and scala rider® products only from authorized sellers.