

# **Intravee II**

## **UI 6 Users Guide**

(Firmware V5.10, Revision 2, 3<sup>rd</sup> July 2007)

Draft

## Introduction

The Intravee menu is controlled in the same way as the other menus and screens on the Nav monitor, by rotating the right rotary control to highlight an item and then pressing it to select the item. For most screens the item is highlighted using a red box around the text, the exceptions to this are the Fast Search and Advanced search screens. On the Fast Search screen the selected item is displayed in the lightly shaded area above the menu area of the screen. On the Advanced Search screen the selected item is identified by a diamond character on the left side.

The Intravee is designed to work with the Navigation system in either Split screen or full screen mode as set in the Nav software settings menu. The standard Search screen used by the Intravee will always be displayed Full screen.

### BMW Settings menu



The Nav settings menu displays the software version in the top right corner, this must be 4-1/40 or higher for the Advanced search and Now Playing screen (the Now Playing Menu is available with all software versions) to function.

When you use the Mode button or the < and > keys while the Nav map, Nav computer or main Menu are displayed, the BMW system switches automatically to the Audio screen for a few seconds. Using the Intravee menus in this state is not easy as it tends to switch back as you read the options on the menu. It is strongly recommended that you only navigate the Intravee menus when you have explicitly switched to the audio screen using the button with two overlapping rectangles (next to the Info button).

## Control Keys

A full list of the keys and their actions is shown in Fig 1.

<b>Key</b>	<b>Action - CDC</b>	<b>Action - iPod</b>	<b>Action - DAB</b>
Rotate control Clockwise	Move selection Up		
Rotate control Anticlockwise	Move Selection Down		
Short Press Rotary control	Select Highlighted Item		
Long Press Rotary Control	Sets Item count on Search menu and used to select the 4 <sup>th</sup> source when both DAB and an AI-Net switch are installed.		Store Station Preset when on Station Preset menu
Short Press on >	Select Next Track or Folder	Select Next Track	Select Next Station or Mux
Short Press on <	Select Prev Track or Folder	Select Prev Track	Select Prev Station or Mux
Long Press on >	Start Fast Forward (exit by pressing < or > )		Scan to Next Mux
Long Press on <	Start Rewind (exit by pressing < or > )		Scan to Prev Mux
Short Press on ◁ (Tape Reverse)	Toggle Folder/Track selection mode	No Action	Toggle Station/Mux selection
Long Press on ◁	Toggle DAB		
Number Keys 1-6	Select Disk	No Action	Select Station Preset
Clock Key	User Assigned		
R/T Key on MFSW	User Assigned if no Phone Installed		
Phone Key	No Action if no Phone Installed		
Action Key on MFSW	No Action if no Phone Installed		

Fig 1. Head Unit and Multi Function Steering Wheel buttons used to control the Intravee.

### **Screen layout**

The Intravee displays information on the standard BMW Nav screen. There are two layouts of information in the top section of the screen, one for Full screen and one for Split screen modes.

## Split Screen (iPod)

Artist  
 Song Title  
 Device Type  
 Track Number  
 Track Time



## Split Screen (CD Changer)

Disk Number  
 Folder Name  
 File Name  
 Folder Number  
 Track Number  
 Selection Mode, Track or Folder  
 Track Time



## Full Screen (iPod)

Track Time  
Track Name

Track Number  
Artist  
Device Type



## Full Screen (CD Changer)

Selection Mode,  
Track or Folder

Track Time  
File Name

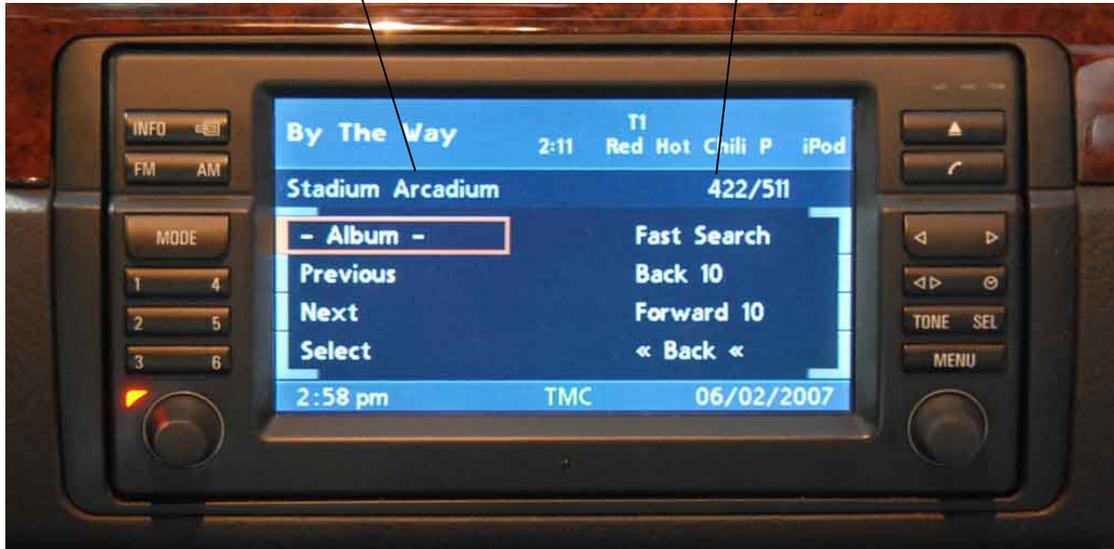
Folder Number  
Track Number  
Folder Name  
Disk Number



## Search Screen

Selected Item Name

Selected Item / Total  
Number of Items



## Split Screen Now Playing



## Full Screen Now Playing



When displaying the Now Playing screen in full screen mode up to 40 characters per line may be displayed.

Information is also displayed in the top section of the display while showing the standard Nav Tone, Sel and Info menus. The Info menu may be either Split for Full screen, as set in the Settings Menu. The Tone and Sel menus are always full screen.

## Tone



Sel



Info



## ***Intravee Menu Reference***

### Main Menu



### Control Menu (iPod)



The control menu when an iPod is connected allows you to select the Now Playing menu, the Search menu or to enter the Source Selection menu.

## Control Menu (CDC)



The Control menu when a CD Changer is the selected source includes an additional option that displays information about the disks in the CD Changer magazine.

## CD Info

The CD Info menus display the current state of the 6 disk slots in the CD Changer magazine. Possible options are :

MP3 CD – A data disk with MP3 files is occupying the slot.

Audio CD – A standard audio CD is occupying the slot.

Empty – There is no disk in the slot.

Unknown – The slot in the magazine has not been checked.

You can also select the CD directly by selecting the disk from the menu.

## CD Info Menu, Disks 1-3



## CD Info Menu, Disks 4-5



## Play Modes



Various play modes and options can be selected from the play mode menu.

## Random Mode

The Random mode setting is persisted over a power down and is specific to the selected device. For example you may have random mode set on AI-Net source 1 but not on AI-Net source 2.

### Random Mode Menu (iPod)



When an iPod is connected either Albums in the current selection (Playlist or Artist) can be played randomly or Songs in the current selection (Playlist, Artist or Album) can be played in a random sequence.

### Random Mode Menu (CDC)



When a CD Changer is connected tracks can be played randomly from the current folder or the current disk.

## Repeat Mode Menu



When a CD Changer source is selected the repeat mode may be set to Off, Track, Folder or Disk. When an iPod is selected the only options are Track or Selection, the iPod always repeats the currently selected item (Playlist, Artist or Album).

## Intro Scan Menu



When Intro Scan is selected the Intravee plays 10 seconds of each track before advancing automatically to the next.

Pause Menu



Setup Menu



Defaults Menu



## Setup Display Menu



## Text Size

The size of the text displayed in the top section of the display can be set to either Auto, Large or Small. When the Auto option is selected the text will be displayed in the large font if it will fit, otherwise the small font will be used. A setting of Large or Small will force the text to be displayed in the selected size. The standard BMW messages displayed in this area, such as Radio station names, use the Large font.

## Text Size Menu (Small Text Selected)



Text Size Menu (Large Text Selected)



## Radio Type

There are different types of BMW radio module that are used with the Nav system. Set the region for your radio, either UK/EU (BM24 or BM54 radio) or US (BM53) radio. Some older vehicles, built before 2002 or with retrofit Nav systems, will require the use of the Old radio type. This can not be set from the menu system, but is shown on the menu for information. The Old radio type can be set from the Intravee consol by issuing the rtold command.

Radio Type Menu



## Features Menu



The features menu enables you to control the use of features that may not be available on all Nav computers. Set the 'Enhanced' option On if you have a Mk IV Nav computer with firmware version 24 or higher. The firmware version is displayed on the top right of the Nav settings menu and should be 4-1/40 or higher for Enhanced features to work.

## Setup Keys Menu



Currently two keys can have user definable actions, these are the clock key and the R/T key on the Multifunction Steering Wheel.

## Clock Key Menu



The Clock key, next to the tape reverse button on the monitor, normally performs no action when the car ignition is turned on. The Intravee can use this key to perform one a number of actions. The options are :

Toggle the Pause/Play state.

Goto the Now Playing Menu

Toggle between the current menu and the Now Playing menu.

## Phone Key Menu



If you do not have a hands free phone installed in your vehicle, the Intravee can make use of the R/T key on the Multi Function Steering Wheel. If you do have the hands free phone installed then set the option to 'No Action' to prevent performing multiple actions when the R/T key is pressed. Other options available are :

Toggle the Pause/Play state

Goto the Now Playing menu

Emulate the press of the Mode button.

## Diagnostics Menu



The diagnostic menu enables you to perform some diagnostic commands, usually diagnostics are performed from the serial PC connection but sometimes it is useful to be able to perform these tasks when no PC is connected. The options available are:

Reset the Intravee counters

Reboot the Intravee

Issue a Power control Off command to the selected device

Issue a Power control On command to the selected device

## Status Menu



The status menu displays useful information about the Intravee status, from top to bottom there are :

The Firmware version

The Run Time in days and hours

The number of reboots (times the Intravee has powered up)

The number of abnormal restarts, for example if the power has been disconnected.

## Help Menu



## Source Selection

The Intravee detects the existence of a DAB tuner, KCA-410c or KCA-400c AI-Net switch and will display the available source options on the 'Source' menu.

If both a DAB tuner and an AI-Net switch is connected then the 4<sup>th</sup> menu option displays both the DAB option and either Aux 2 (KCA-410c) or Net 4 (KCA-400c) options. A short press of the right rotary control will select the DAB input, a long press will select the Aux 2 or Net 4 input.

## Source Menu (One AI-Net Device)



Source Menu (One AI-Net Device and DAB)



Source Menu (KCA-410c)



Source Menu (KCA-410c and DAB)



Source Menu (KCA-400c)



Source Menu (KCA-400c and DAB)



## Now Playing Display

Information about the currently playing track can be displayed in two ways, either as a Now Playing Menu or as a Static Now Playing screen. The Now Playing screen is only available if the Enhanced Features option has been set.

The Now Playing Menu has the advantage that you can enter the search menu for Artist, Album and Song directly by selecting the appropriate item from the menu. The Now Playing screen is clearer, as there is no menu item selection border, and is more suitable for display while driving. To exit the Now Playing screen, click the rotary control.

### Now Playing Menu (iPod)



When playing a song from the iPod the Album, Artist and Song name are displayed. Selecting the Album, Artist or Song name enters the search mode for the selected item. Selecting the 'Now Playing' title displays the Now Playing screen which does not have selectable items.

### Now Playing Menu (MP3 CDC)



When playing an MP3 track from a CD the ID3 information, if available, is displayed in the menu area. The CHA-S634 only supports ID3 V1 information, information for files with only ID3 V2 tags will not be displayed.

### Now Playing Menu (CD Text CD)



When playing an Audio CD with CD Text information the display will show, if available, the Artist, Album name and Track name. In the example above, only the Track name was available.

### Now Playing Screen (iPod)



### Now Playing Screen (MP3 CDC)



## Search

The search menu can be accessed either from the Control or Now Playing menus. Search for an Artist, Album or Track may also be started by clicking on the Artist, Album or Track on the Now Playing menu. There are two types of search menu type, Standard search and Advanced Search, Advanced Search uses a screen mode that is only available with the Mk IV Nav computer running BMW software V24 (4-1/40) or higher. Advanced Search can be activated using the 'Enhanced' option on the 'Features' menu.

On the standard search menu, the number of tracks skipped for the multiple item increment can be changed by using a long rotary control press while on the multiple item increment menu option. The value will cycle through 5,10, 20 and 50 items.

In Fast Search mode the rotary control is used to scroll through the list of the selected item type. The current item is displayed in the shaded portion above the menu area of the screen. Selection can then be made by pressing the rotary control.

After selecting by Artist on the iPod the search mode changes to Sub Album search. In Sub Album search mode only the albums by the selected artist are displayed. Cancelling Sub Album search will result in all albums by the artist being played in alphabetical order, selecting an album will cause that album to be played and repeated until another selection is made. To select a particular album to be played first, followed by the other albums from that artist, cancel Sub Album search and use the Song search option to select the first track from the desired album.

## CD Changer Searching

Search Menu (CDC)



### Folder Search



### Fast Folder Search



### Track Search



### Fast Track Search



### Combined Search



When using combined search you may browse through any folder and track on the current CD. In this mode the display of the Folder and File in the top area of the display changes from the currently playing track and folder to the track and folder being searched.

Advanced Search Menu (CDC)



Advanced Folder Search



Advanced Track Search



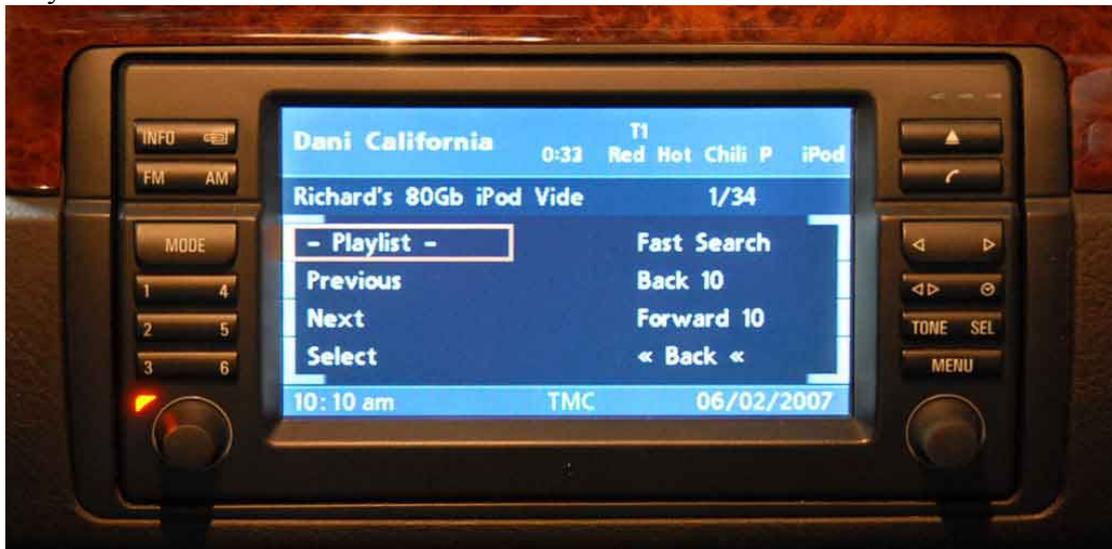
## iPod Searching

### Search Menu (iPod)



When an iPod is selected as the source it may be searched by Playlist, Artist, Album or Song.

### Playlist Search



Fast Playlist Search



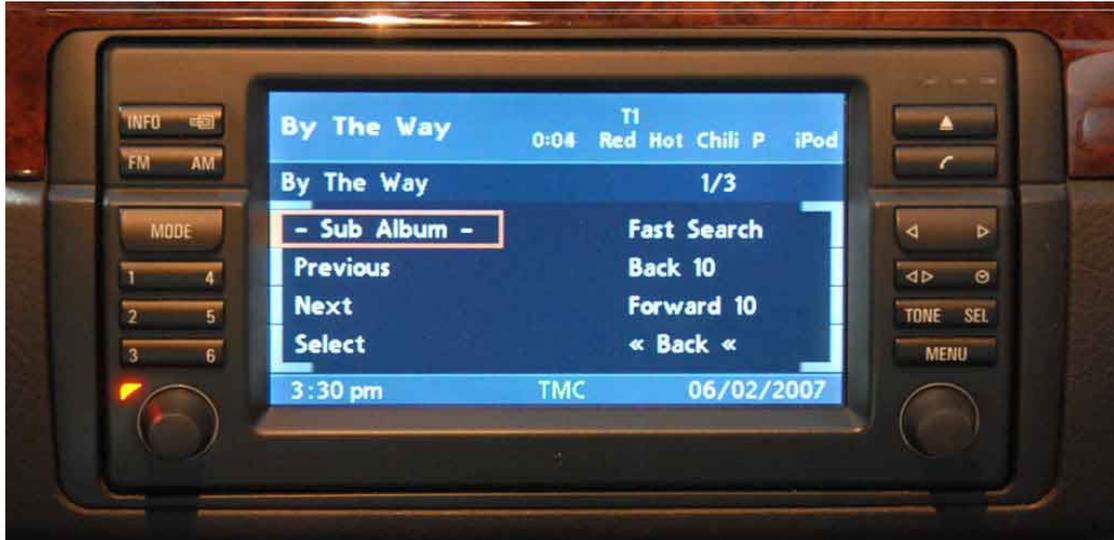
Artist Search



Fast Artist Search



Sub Album Search



Fast Sub Album Search



Album Search



Fast Album Search



Song Search



Fast Song Search



Advanced Search (iPod)



Advanced Playlist Search



Advanced Artist Search



### Advanced Sub Album Search



### Advanced Album Search



### Advanced Song Search



## DAB Menus

### DAB Presets



DAB presets can be stored by performing a long press of the rotary control on the menu item, this will cause the current station and Mux to be stored. The preset may be recalled by either selecting the item from the menu or using the preset number keys 1 through 4. The DAB preset menu is access through the 'Search' option when the DAB is selected as the current source.

### DAB Now Playing



The DAB Now Playing screen displays DAB Text. The lines are displayed so that, if possible, there are complete words on each line. The display is optimised around the use of the Split screen mode. The DAB Now Playing screen is only available on Mk IV Nav computers with V24 (4-1/40) or higher software.