




Press	To
4 <b>OK</b> (  )	select the application
5 right soft key (  )	start voice launchers and then say a command into the microphone
	<b>Tip:</b> If necessary, press <b>START</b> (  ) to record commands until <b>Voice command saved</b> displays.




## Playing Voice Commands

You can play the voice commands you recorded for voice launcher entries.

### Find the Feature



- > Tools
- > Voice control
- > Voice commands

Press	To
1 	scroll to the desired voice launcher entry
2 <b>OK</b> (  )	select the voice launcher entry
3 <b>OK</b> (  )	play the voice command of the selected entry



## Erasing Voice Launcher Entries

### Find the Feature



- > **Tools**
- > **Voice control**
- > **Voice commands**

	<b>Press</b>	<b>To</b>
1		scroll to the desired voice launcher entry
2	<b>OK</b> (  )	select the voice launcher entry
3		scroll to <b>Erase</b>
4	<b>OK</b> (  )	select <b>Erase</b>
5	<b>OK</b> (  )	erase the selected voice launcher entry

## Displaying World Time

### Find the Feature



- > **Settings**
- > **Initial settings**
- > **Clock**
- > **World clock**

	<b>Press</b>	<b>To</b>
1		scroll to the desired place
2	<b>OK</b> (  )	display the corresponding time and other information about the selected place



# Using Voice Notes

You can use the voice recorder on your phone to record voice notes up to 30 seconds each.

**Caution:** Obey the local law or regulations when you use the voice recorder.

## Find the Feature



> **Media center**


> **Voice notes**

Press	To
1	open the options menu
2 <b>OK</b> (  )	select <b>New</b>
3 right soft key (  )	record a voice note
4 left soft key (  )	stop recording, if necessary
5 keypad keys	enter a name
6 <b>OK</b> (  )	save the recorded voice note






## Playing a Voice Note

Press	To
1	scroll to the desired voice note
2 <b>PLAY</b> (  )	play the selected voice note
3 <b>BACK</b> (  )	stop playing the selected voice note, if necessary








Tip: To turn the voice recorder off, press .

## *Renaming a Voice Note*

	Press	To
1		scroll to the desired voice note
2		open the options menu
3		scroll to <b>Rename</b>
4	OK (  )	select <b>Rename</b>
5	keypad keys	enter a new name
6	OK (  )	save the new name

## *Deleting a Voice Note*

	Press	To
1		scroll to the desired voice note
2		open the options menu
3		scroll to <b>Delete</b>
4	OK (  )	select <b>Delete</b>
5	OK (  )	delete the selected voice note



# Sending a Voice Note










You can send voice notes to friends via either their phone numbers or email addresses.







## Find the Feature

-  > **Media center**
- > **Voice notes**



To send via a phone number:

Press	To
1 	scroll to the desired voice note
2 	open the options menu
3 	scroll to <b>Send</b>
4 <b>OK</b> (  )	select <b>Send</b>
5 keypad keys	enter your message
6 <b>SEND</b> (  )	select <b>SEND</b>
7 <b>P.BOOK</b> (  )	open your phonebook
8 	scroll to the desired entry











Press	To
9 <b>OK</b> (  )	select the entry  <b>Tip:</b> If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 8-9 to add other recipients or go to steps 13-14 to send your selected voice note right away.
10 	scroll to the desired phone number
11 <b>OK</b> (  )	select the phone number
12 <b>OK</b> (  )	return to the previous menu  <b>Tip:</b> Repeat steps 8-9 to add other recipients or continue the following steps to send your selected voice note.
13 <b>OK</b> (  )	return to the previous menu
14 <b>SEND</b> (  )	send your selected voice note

To send via an email address:

Press	To
1 	scroll to the desired voice note
2 	open the options menu





Press	To
3 	scroll to <b>Send</b>
4 <b>OK</b> (  )	select <b>Send</b>
5 keypad keys	enter your message
6 <b>SEND</b> (  )	select <b>SEND</b>
7 	open the options menu
8 	scroll to <b>New e-mail address</b>
9 <b>OK</b> (  )	select <b>New e-mail address</b>
10 keypad keys	enter an email address
11 <b>OK</b> (  )	add the email address to the <b>Recipients</b> box
	<b>Tip:</b> Repeat steps 7-11 to add other recipients.
12 <b>SEND</b> (  )	send your selected voice note

## Viewing a Voice Note



You can read the details of any voice note.

### Find the Feature

 > **Media center**  
> **Voice notes**

Press	To
1 	scroll to the desired voice note
2 	open the options menu









Press	To
3 	scroll to <b>Details</b>
4 <b>OK</b> (  )	view the selected voice note

## Sorting Voice Notes

You can sort voice notes by various types.

### Find the Feature

 > **Media center**  
> **Voice notes**


Press	To
1 	scroll to any voice note
2 	open the options menu
3 	scroll to <b>Sort files</b>
4 <b>OK</b> (  )	select <b>Sort files</b>
5 	scroll to the desired sorting type
6 <b>OK</b> (  )	sort voice notes by the selected sorting type









## Locking and Unlocking the Keypad

You can lock the keypad to avoid accidental keypresses. Press  to answer calls even if the keypad is locked.

The keypad will be locked when no activity occurs in 20 seconds if you choose to lock it automatically.

### Find the Feature

-  > **Settings**
- > **Initial settings**
- > **Key lock**
- > **Lock now/Auto**

**Tip:** To unlock the keypad, press **OK** (  ) and  from the idle display.

## Setting Closed User Groups



You can subscribe closed user groups that are able to call you and receive your calls to the service provider. Select **Preset** to use the default closed user group you subscribed to your

service provider.

### Find the Feature

-  > **Settings**
- > **Security**
- > **Closed user group**
- > **On**

# News and Entertainment

---

## Playing a Game

You can play several fun games on your phone.

### Find the Feature



- > Games & apps
- > Embedded games



## Managing a Photo Album

You can create new photo albums, delete or rename photo albums, delete a picture(s) from photo albums, move a picture(s) to another photo album, select a photo album to create and play slide shows, and sort photo albums by name or date.

### Find the Feature



- > Media center
- > Photo album

	Press	To
1		scroll to the desired photo album
2		open the options menu

# Managing Pictures in a Photo Album

You can turn the camera on to take pictures, send, rename, modify or delete pictures, set pictures as a wallpaper or screen saver image, select a picture to create a photo caller ID for phonebook entries or caller groups, move pictures to another photo album, read the details about pictures, select pictures to create and play slide shows, sort pictures by name, size or date, and customize the picture display mode in photo albums.

## Find the Feature



> Media center  
> Photo album

	Press	To
1		scroll to the desired photo album
2	OK (  )	select the photo album
3		scroll to the desired picture
4		open the options menu



# Drawing a Picture


You can draw pictures on your own and use them as a wallpaper or screen saver image, or a photo caller ID for phonebook entries or caller groups.

## Find the Feature



 > **Media center**  
> **Picture**



or

 > **Tools**  
> **My picture**  
> **Editor**

Follow the steps below if you press  > **Media center** >





**Picture:**

Press	To
1 	open the options menu
2 <b>OK</b> (  )	select <b>New</b>

Press **OPTIONS** (  ) or  to add special effects to your drawings and save your drawings:










Option	Description
<b>Open</b>	insert a background image or replace the background image or your drawing with another media object
<b>Save</b>	store your drawing in <b>Media center</b> > <b>Picture</b>














Option	Description
<b>Pen attribution &gt; Pen mode</b>	draw dots/lines, add stamps, enter text by pressing <b>ADD</b> (  ) or erase dots/lines/stamps/text  <b>Tip:</b> Press  to quickly select a <b>Pen mode</b> .
<b>Pen attribution &gt; Pen color</b>	select a color for the pen to draw dots/lines or enter text  <b>Tip:</b> Press  to quickly select a <b>Pen color</b> .
<b>Pen attribution &gt; Pen size</b>	specify a size for the pen to draw dots/lines and also for the eraser to delete dots/lines/stamps/text  <b>Tip:</b> Press  to quickly select a <b>Pen size</b> .
<b>Pen attribution &gt; Pen step</b>	determine how many steps for the pen and the eraser to move on the canvas
<b>Zoom in/Zoom out</b>	zoom your drawing in or out







Option	Description
<b>Stamp options</b>	<p>add stamps as an overlap on your drawing (To activate, press  &gt; <b>Pen attribution</b> &gt; <b>Pen mode</b> &gt; <b>Stamp</b> &gt; scroll to the desired stamp &gt; press <b>VIEW</b> (  ) &gt; <b>OK</b> (  ) &gt; scroll to moving the selected stamp to the desired place &gt; press <b>OK</b> (  ). Repeat the last 2 steps if you want to add more stamps to your drawing.)</p> <p style="text-align: center;"><b>or</b></p> <p>create stamps by capturing your drawing (To activate, press  &gt; <b>Stamp options</b> &gt;  &gt; <b>New</b> &gt;  &gt; <b>Crop size</b> (to specify the crop size) and/or <b>Crop shape</b> (to select a crop shape) &gt; scroll to moving the crop box to the desired place &gt; press  &gt; <b>Save as stamp</b> &gt; key in the file name &gt; press <b>SAVE</b> (  ).)</p>
<b>Rotate</b>	rotate your drawing
<b>Picture size</b>	specify a size for the canvas
<b>Clear screen</b>	erase all dots/lines/stamps/text from the canvas

To start drawing pictures on the canvas:

Press	To
1 	move the cursor to the desired direction
or	
  	
  	
 	
2 <b>OK</b> (  )	draw dots/lines and add stamps on the canvas or remove dots/lines/stamps/text from the canvas
or	
	



## ***Cropping Pictures, Drawings or Animations***

You can isolate a specific area of pictures, drawings or animations. A crop box will appear and everything outside of the box will be removed. You can also adjust the position, size and shape of the box or save cropped media objects as stamps by pressing **OPTIONS** (  ) or  .

### **Find the Feature**

-  > **Tools**
- > **My picture**
- > **Cropper**

# Composing a Melody

You can compose melodies on your phone and use them as the ring tone for incoming calls.

## Find the Feature

 > **Media center**  
> **Melody**  
or




 > **Tools**  
> **Tone editor**



## Creating a New Melody

You can create a melody of your own.

**Tip:** If you select **Media center** > **Melody**, refer to the steps below. If you select **Tools** > **Tone editor**, refer to steps 3-4 only.









Press	To
1 	open the options menu
2 <b>OK</b> (  )	select <b>New</b>
3 	move the pointer
4 keypad keys	compose your melody (see page 164)



## Changing an Existing Melody
















You can adapt an existing melody to meet your needs.

**Tip:** If you select **Media center > Melody**, refer to the steps below. If you select **Tools > Tone editor**, refer to steps 3-9 only.

Press	To
1 	open the options menu
2 <b>OK</b> (  )	select <b>New</b>
3 <b>OPTIONS</b> (  )	open the options menu
4 <b>OK</b> (  )	select <b>Open</b>
5 	scroll to the desired melody
6 <b>OK</b> (  )	select the melody
7 <b>OK</b> (  )	insert the selected melody to the staff
8  left/right	scroll to the desired note/rest
9 keypad keys	change the selected note/rest (see page 164)










Press the following keys to compose melodies:

Press	To
	insert a C sharp note
	insert a D sharp note
	insert an E sharp note
	insert an F sharp note
	insert a G sharp note
	insert an A sharp note
	insert a B sharp note
	increase the length of the selected note/rest
	move the selected note 1 octave up
	decrease the length of the selected note/rest
	move the selected note 1 octave down
	insert a rest
<b>CLEAR</b> (  )	remove the selected note/rest
 up	move the selected note up on the staff
 down	move the selected note down on the staff




## Selecting an Instrument

You can select an instrument to play your composed melody on the staff.



Press	To
1 <b>OPTIONS</b> (  )	open the options menu
2 	scroll to <b>Instruments</b>
3 <b>OK</b> (  )	select <b>Instruments</b>
4 	scroll to the desired instrument
5 <b>OK</b> (  )	select the instrument
6 	scroll to the desired option
7 <b>OK</b> (  )	select the option

## Selecting a Tempo

You can select a tempo to play your composed melody on the staff.

Press	To
1 <b>OPTIONS</b> (  )	open the options menu
2 	scroll to <b>Tempo</b>
3 <b>OK</b> (  )	select <b>Tempo</b>






	Press	To
4		scroll to the desired tempo
5	OK (  )	select the tempo

## Playing Your Composed Melody





You can play your composed melody on the staff.



	Press	To
1	OPTIONS (  )	open the options menu
2		scroll to <b>Play</b>
3	OK (  )	play your composed melody with the selected instrument and tempo




## Saving Your Composed Melody

You can store your composed melody in **Media center > Melody**.

	Press	To
1	OPTIONS (  )	open the options menu
2		scroll to <b>Save</b>
3	OK (  )	select <b>Save</b>
4	keypad keys	enter a name
5	OK (  )	store your composed melody in <b>Media center &gt; Melody</b>

## Clearing the Staff

You can delete all notes and rests from the staff.

Press	To
1 <b>OPTIONS</b> (  )	open the options menu
2 	scroll to <b>Clear screen</b>
3 <b>OK</b> (  )	clear the staff




## Viewing a Media Object

Media objects include pictures, drawings, animations, melodies, voice notes, and video clips.

### Find the Feature



- > **Media center**
- > **Photo album/Picture/Animation/Melody/Voice notes/Video**

Press	To
1 	scroll to the desired folder, if necessary
2 <b>OK</b> (  )	select the folder, if necessary
3 	scroll to the desired media object









**Press**

**To**

4 **OK** (  )

view or play the selected media object

**Tip:** To display previous or next pictures/drawings, press  up or down. To zoom in or zoom out on pictures/drawings, press **OK** (  ) > scroll  up or down. To navigate through the picture/drawing you zoomed in, press **OK** (  ) > scroll  up, down, left or right. Pressing **OK** (  ) lets you toggle between the zooming mode and the navigation mode.



---

---

## ***Sending a Media Object***













You can send media objects to friends via either their phone numbers or email addresses.

### **Find the Feature**



> **Media center**  
> **Photo album/Picture/Animation/Melody/Voice notes/Video**






To send via a phone number:

Press	To
1 	scroll to the desired folder, if necessary
2 <b>OK</b> (  )	select the folder, if necessary
3 	scroll to the desired media object
4 	open the options menu
5 	scroll to <b>Send</b>
6 <b>OK</b> (  )	select <b>Send</b>
7 keypad keys	enter your message
8 <b>SEND</b> (  )	select <b>SEND</b>
9 <b>P.BOOK</b> (  )	open your phonebook
10 	scroll to the desired entry
11 <b>OK</b> (  )	select the entry







**Tip:** If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 10-11 to add other recipients or go to steps 15-16 to send your selected media object immediately.











Press	To
12 	scroll to the desired phone number
13 <b>OK</b> (  )	select the phone number
14 <b>OK</b> (  )	return to the previous menu
	<b>Tip:</b> Repeat steps 10-11 to add other recipients or continue the following steps to send your selected media object.
15 <b>OK</b> (  )	return to the previous menu
16 <b>SEND</b> (  )	send your selected media object

To send via an email address:

Press	To
1 	scroll to the desired folder, if necessary
2 <b>OK</b> (  )	select the folder, if necessary
3 	scroll to the desired media object
4 	open the options menu
5 	scroll to <b>Send</b>
6 <b>OK</b> (  )	select <b>Send</b>
7 keypad keys	enter your message



Press	To
8 <b>SEND</b> (  )	select <b>SEND</b>
9 	open the options menu
10 	scroll to <b>New e-mail address</b>
11 <b>OK</b> (  )	select <b>New e-mail address</b>
12 keypad keys	enter an email address
13 <b>OK</b> (  )	add the email address to the <b>Recipients</b> box
	<b>Tip:</b> Repeat steps 9-13 to add other recipients.
14 <b>SEND</b> (  )	send your selected media object







## Renaming a Media Object




### Find the Feature



- > **Media center**
- > **Photo album/Picture/Animation/Melody/Voice notes/Video**








Press	To
1 	scroll to the desired folder, if necessary
2 <b>OK</b> (  )	select the folder, if necessary
3 	scroll to the desired media object
4 	open the options menu

**Press****To**

- |   |   |                         |
|---|---|-------------------------|
| 5 |                | scroll to <b>Rename</b> |
| 6 | <b>OK</b> (  ) | select <b>Rename</b>    |
| 7 | keypad keys   | enter a new name        |
| 8 | <b>OK</b> (  ) | save the new name       |

## ***Moving a Picture or Drawing to Another Photo Album***

**Find the Feature**> **Media center**> **Photo album/Picture****Press****To**

- |   |   |  |
|---|---|--|
| 1 |                  | scroll to the desired folder, if necessary |
| 2 | <b>OK</b> (  )   | select the folder, if necessary            |
| 3 |                  | scroll to the desired media object         |
| 4 |                  | open the options menu                      |
| 5 |                | scroll to <b>Move to</b>                   |
| 6 | <b>OK</b> (  ) | select <b>Move to</b>                      |
| 7 |                | scroll to the desired photo album          |



**Press**

**To**

8 **OK** (  )

move the selected media object to the specified photo album

---

## ***Playing a Java Game***


You can play several Java games on your phone.

**Find the Feature**



> **Games & apps**

> **Java**

**Tip:** Before playing Java games, set the amount of time that both the display and the keypad backlights remain on to maximum. (To activate, press  > **Settings** > **Initial settings** > **Backlight** > **20 secs.**)

## ***Configuring Java Settings***

**Find the Feature**



> **Games & apps**

> **Java settings**



# Using the Camera



**Caution:** Obey the local law or regulations when you use the phone camera to capture images.

## Find the Feature

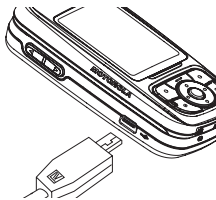
 > **Media center**  
> **Camera**

## Taking and Saving a Picture


You can use the internal display as a viewer to take photos.

Press	To
1 <b>OK</b> (  )	take a picture
2 <b>OK</b> (  )	save the picture you took in <b>Media center &gt; Photo album &gt;</b> <i>default photo album</i>

You can also use the external display as a viewer to take photos.



Action	
1 Close the flip after launching <b>Camera</b> .	
2 Press the smart key to capture images.	
<b>Tip:</b> Use the external viewer to capture images when the flip is being closed.	
3 Open the flip.	

## Action

- 4 Press **OK** (  ) to save the picture you took in **Media center > Photo album > default photo album**.


The icons shown in the internal display indicate the following:




press the right soft key (  ) or **OK** (  ) to save the pictures you took in **Media center > Photo album > default photo album**

**Tip:** The taken pictures you saved are automatically named. To rename them, see page 171.





press the left soft key (  ) to turn the camera off

**Tip:** You can also press  to turn the camera off.



## Naming a Taken Picture Manually

You can manually name the pictures you just took and store them in your phone. The taken pictures you saved are automatically named by default.

	Press	To
1		open the options menu
2		scroll to <b>Rename</b>










Press	To
3 <b>OK</b> (  )	select <b>Rename</b>
4 keypad keys	enter a name
5 <b>OK</b> (  )	save the picture you just took

## Rotating Pictures

You can rotate the pictures you just took to the desired direction.








Press	To
1 	open the options menu
2 	scroll to <b>Rotate</b>
3 <b>OK</b> (  )	select <b>Rotate</b>
4 	scroll to the desired rotational direction
5 <b>OK</b> (  )	rotate the picture you just took to the desired direction

**Tip:** This option is available only for pictures with the **128x160** resolution.

## Setting Taken Pictures as a Wallpaper Image

You can set the pictures you just took as a wallpaper image. If you use the **Multi-shot** mode to capture 2 images continuously over the horizontal or vertical axis, you can

also set the 2-in-1 shot as a wallpaper image. If you choose to capture 6, 9 or 15 images continuously, you can only set the 1st shot as a wallpaper image.








	<b>Press</b>	<b>To</b>
1		open the options menu
2		scroll to <b>Apply as wallpaper</b>
3	<b>OK</b> (  )	select <b>Apply as wallpaper</b>
4		scroll to the desired display where the picture, the 2-in-1 shot, or the 1st shot you took will be set as a background image
5	<b>OK</b> (  )	select the display
6		scroll to any entry
7	<b>OK</b> (  )	set the taken picture as a wallpaper image and save it both in <b>Media center &gt; Photo album &gt; default photo album</b> and in <b>Settings &gt; Display/External display &gt; Wallpaper</b>



## Setting Taken Pictures as a Screen Saver Image

You can save the pictures you just took as a screen saver image. If you use the **Multi-shot** mode to capture 2 images continuously over the horizontal or vertical axis, you can also set the 2-in-1 shot as a screen saver image. If you choose to capture 6, 9 or 15 images continuously, you can set all shots as a screen saver image.

To set 1 taken picture as a screen saver image:

Press	To
1 	open the options menu
2 	scroll to <b>Apply as screen saver</b>
3 <b>OK</b> (  )	select <b>Apply as screen saver</b>
4 	scroll to the desired display where the picture you took will be set as a screen saver image
5 <b>OK</b> (  )	select the display
6 	scroll to any entry
7 <b>OK</b> (  )	set the taken picture as a screen saver image and save it both in <b>Media center &gt; Photo album &gt; default photo album</b> and in <b>Settings &gt; Display/External display &gt; Screen saver</b>











**Tip:** To set 6, 9 or 15 shots as a screen saver image (selecting **Multi-shot > Continuous**), see page 186. To set 2-in-1 shots as a screen saver image (selecting **Multi-shot > Composite**), see page 189.

## ***Sending a Picture***



You can send the pictures you just took to friends via either their phone numbers or email addresses.






To send via a phone number:

<b>Press</b>	<b>To</b>
1 	open the options menu
2 <b>OK</b> (  )	select <b>Send</b>
3 keypad keys	enter your message
4 <b>SEND</b> (  )	select <b>SEND</b>
5 <b>P.BOOK</b> (  )	open your phonebook
6 	scroll to the desired entry
7 <b>OK</b> (  )	select the entry







**Tip:** If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 6-7 to add other recipients or go to steps 11-12 to send your taken picture immediately.







Press	To
8 	scroll to the desired phone number
9 <b>OK</b> (  )	select the phone number
10 <b>OK</b> (  )	return to the previous menu
	<b>Tip:</b> Repeat steps 6-7 to add other recipients or continue the following steps to send your taken picture.
11 <b>OK</b> (  )	return to the previous menu
12 <b>SEND</b> (  )	send your taken picture

To send via an email address:

Press	To
1 	open the options menu
2 <b>OK</b> (  )	select <b>Send</b>
3 keypad keys	enter your message
4 <b>SEND</b> (  )	select <b>SEND</b>
5 	open the options menu
6 	scroll to <b>New e-mail address</b>
7 <b>OK</b> (  )	select <b>New e-mail address</b>
8 keypad keys	enter an email address

Press	To
9 <b>OK</b> (  )	add the email address to the <b>Recipients</b> box  <b>Tip:</b> Repeat steps 5-9 to add other recipients.
10 <b>SEND</b> (  )	send your taken picture

## Customizing the Camera


You can adjust the camera settings to suit your needs before capturing images.


### Find the Feature



> **Media center**  
> **Camera**


## Using the Zoom Lens


Press	To
 up/down	zoom in/zoom out on the image you are about to capture

**Tip:**  indicates the zoom lens control.



## Adjusting the Viewer Brightness




Press	To
 left/right	decrease/increase the viewer brightness


Tip:  <> indicates the viewer brightness control.


## Selecting a Picture Resolution

The better resolution pictures have, the more phone memory pictures use.

<b>160x120</b>	supports the <b>Landscape</b> mode and 9x digital zoom lens.
<b>320x240</b>	supports the <b>Landscape</b> mode and 9x digital zoom lens.
<b>640x480</b>	supports the <b>Landscape</b> mode and 9x digital zoom lens.
<b>1280x960</b>	supports the <b>Landscape</b> mode but does not support any digital zoom lens.
<b>128x160</b>	supports the <b>Portrait</b> mode and 9x digital zoom lens.

	Press	To
1		open the options menu
2	OK (  )	select <b>Resolution</b>
3		scroll to the desired picture resolution

Press	To
4 <b>OK</b> (  )	prepare to capture images

Tip:  indicates the options menu indicator.






## Selecting a Picture Quality

The better quality pictures have, the more phone memory pictures use.

**Fine**  provides best quality.

**Normal**  provides regular quality.

**Basic**  provides poor quality.

Press	To
1 	open the options menu
2 	scroll to <b>Quality</b>
3 <b>OK</b> (  )	select <b>Quality</b>
4 	scroll to the desired picture quality
5 <b>OK</b> (  )	prepare to capture images

