

## General Features

Rotating bezel  
(Display unit in degrees)

Light button

Second hand

Hour hand

Set / View  
button

Directional arrow  
(Qibla & Compass)

Qibla / +  
button

Minute hand

Screw down  
crown

Compass / -  
button



## Setting the Analog Watch

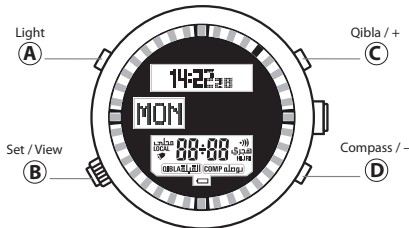
- 1 Rotate the crown in the direction indicated on the graph "above"
- 2 "Position 2" the crown is unscrewed
- 3 Gently Pull out the crown to "position 3", rotate crown so the watch hands move clockwise to the correct time
- 4 The seconds hand will stop
- 5 Gently push the crown to "position 2"
- 6 Push and screw the crown until the end "Position 1".

## Setting the Digital Watch

### Features

- 1 Time: hour, minute, second, year (2000-2099), month, date, weekday, 12H/24H
- 2 WorldTime functions including 28 cities, daylight saving time switch automatically
- 3 Gregorian calendar & Hijri calendar
- 4 Pray time remind including 105 countries 200 cities «pre-programmed» or inputting new city data
- 5 Hourly alarm
- 6 Indicate Qibla position accuracy including 105 countries 200 cities «pre-programmed» or inputting new city data
- 7 Digital compass
- 8 Compass calibration
- 9 Low battery remind
- 10 EL backlight


### LCD display, Button and ICON



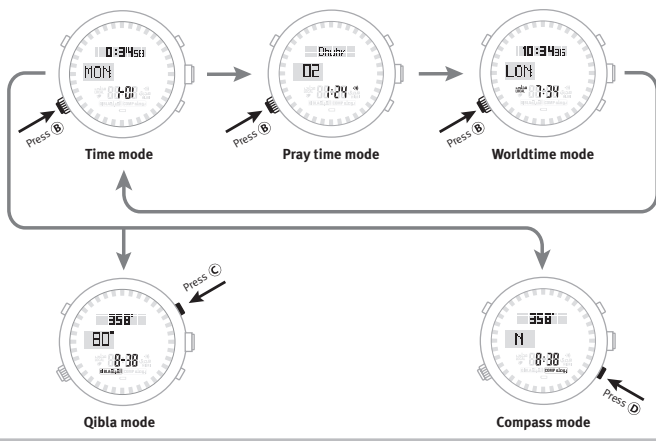
#### Button

- (A) **Light Button:** EL backlight  
 (B) **Set/View Button:** SET and switch functions  
 (C) **Qibla/+ Button:** Qibla function button  
 (D) **Compass/- Button:** Compass function button

#### Icon

	Local time
	Hijri calendar
	Pray time remind
	Low battery remind
	Alarm clock
	Qibla mode
	Compass mode

## Function mode



## 1- Time mode

## Display

- hour
- minute
- second
- month
- date
- weekday



## Button function

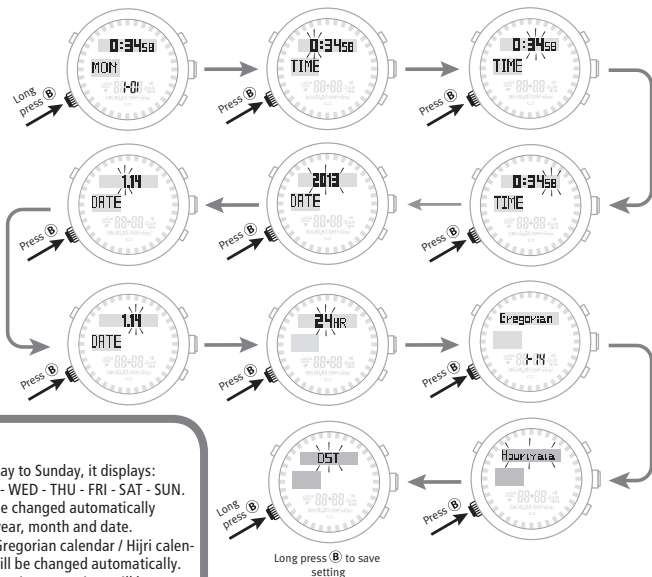
- Press Button (A) EL backlight will be turned on 3 seconds
- Press button (B) to enter Time mode → worldtime mode → pray time. Long Press Button (B) to enter into time setting mode
- Press Button (C), enter into qibla mode
- Press Button (D) enter into compass mode

## Setting mode (see page 7)

- Press button (A), EL backlight will be turned on 3 seconds.
- Press button (B) to switch setting items: hour → minute → second → year → month → date → 12/24hr → hijri/gregorian → hourly alarm → Daylight Saving Time (DST)
- Press button (C) to increase data. Keeping press button (C) to increase data quickly

- Press button **(D)** to reduce data. Keeping press button **(D)** to reduce data quickly
- Press **(C)** or **(D)** to switch 12/24H
- Press **(C)** or **(D)** to switch Gregorian calendar / Hijri calendar
- Long Press Button **(B)** to save setting data and exit setting mode
- Under time setting mode, if there is no operation in 30 seconds, it will save setting data and exit setting mode automatically.

### LCD display for time setting mode



#### PS

- From Monday to Sunday, it displays: MON - TUE - WED - THU - FRI - SAT - SUN. Week will be changed automatically according year, month and date.
- Switching Gregorian calendar / Hijri calendar, date will be changed automatically.
- After time setting, pray time will be changed automatically

## 2. Pray Time

### Display

- Above: Fajr - Dhuhr - Asr - Maghrib - Isha
- Middle: item no.
- Below: time or date.



### Button function

- Press button (A), EL backlight will be turned on 3 seconds
- Press button (B) to enter Time mode → worldtime mode → pray time
- Press button (C) to check down 5 groups pray time sequence order
- Press button (D) to check 5 groups pray time inverse order.

### Setting mode

- Press button (B) to enter Time mode → worldtime mode → pray time
- Long Press Button (B) to switch setting items: Method → Madhab → Rounding → Buzzer (On or Off)
- Press button (C) to select
- Press button (D) to select
- Long Press Button (B) to save setting data and exit setting mode
- Under setting mode, if there is no operation in 30 seconds, it will save setting data and exit setting mode automatically.

### Method items

Method	Description
MWL	Muslim World League
ISNA	Islamic Society of North America
Egypt	Egyptian General Authority of Survey
Makkah	Umm al-Qura University, Makkah
Karachi	University of Islamic Sciences, Karachi
Tehran	Institute of Geophysics, University of Tehran
Jafari	Shia Ithna Ashari (Ja'fari)


### Madhab items

Madhab	Description (more info)
Standard	Shafii, Maliki, Jafari and Hanbali
Hanafi	Hanafi school of tought

### Rounding items

Rounding	Description (more info)
None	No adjustments
NightMiddle	The middle of the night method
OneSeventh	The 1/7th of the night method
AngleBased	The angle-based method (recommended)

### PS:

- Turn on Buzzer,  will be displayed on LCD
- When it is pray time, the unit will alarm «bibi» sound in 10 seconds. Press any button to stop alarm

### 3. Worldtime

#### Display

- Above: worldtime
- Middle: city name
- Below: local time



#### Button function

- Press button **(A)** to turn on backlight 3 seconds
- Press button **(B)** to time mode then Worldtime mode, Long press button **(B)** to view the qibla city which you selected. If selected city is «User» defined position («User = city name» and «Other = country name»),

press button **(B)** to enter time zone, longitude and latitude in turn

- Press button **(C)** to check time zone and time sequence order. Long press it to browse quickly
- Press button **(D)** to check time zone and time inverse order. Long press it to browse quickly
- The city name order of worldtime:

LON → PAR → CAI → ANK → JED → THR → DXB → KBL → KHI → DEL → DAC → RGN → BKK → HKG → TYO → ADL → SYD → NOU → WLG → PPG → HNL → ANC → LAX → DEN → CHI → NYC → CCS → RIO.

#### City list of worldtime

Code	City	GMT	Other major cities in same time zone
LON	London	+00.0	Dublin, Lisbon, Casablanca, Dakar, Abidjan
PAR	Paris	+01.0	Rome, Madrid, Amsterdam, Algiers, Tunis, Geneva, Frankfurt, Vienna, Stockholm, Berlin.
CAI	Cairo / ANK	+02.0	Athens, Helsinki, Istanbul, Beirut, Damascus, Ankara, Cape town
JED	Jeddah	+03.0	Kuwait, Riyad, Aden, Addis Ababa, Nairobi, Moscow
THR	Tehran	+03.5	Shiraz
DXB	Dubai	+04.0	Abu Dhabi, Muscat
KBL	Kabul	+04.5	
KHI	Karachi	+05.0	Male
DEL	Delhi	+05.5	Mumbai, Kolkata
DAC	Dhaka	+06.0	Colombo
RGN	Yangon	+06.5	Yangon
BKK	Bangkok	+07.0	Jakarta, Phnom Penh, Hanoi, Vientiane
HKG	Hong Kong	+08.0	Singapore, Kuala Lumpur, Beijing, Taipei, Manila, Perth Ulaanbaatar
TYO	Tokyo	+09.0	Seoul, Pyongyang, SEL Seoul
ADL	Adelaide	+09.5	Darwin
SYD	Sydney	+10.0	Melbourne, Guam, Rabaul
NOU	Noumea	+11.0	Pt Vila
WLG	Wellington	+12.0	Christchrch, Nadi-Nauru Is
PPG	Pago Pago	-11.0	Pago Pago
HNL	Honolulu	-10.0	Papeete
ANC	Anchorage	-09.0	Nome

LAX	Los Angeles	-08.0	San Francisco, Las Vegas, Vancouver, Seattle/Tacoma, Dawson City
DEN	Denver	-07.0	El Paso, Edmonton
CHI	Chicago	-06.0	Houston, Dallas/Ft. Worth, New Orleans, Mexico City, Winnipeg
NYC	New York	-05.0	Montreal, Detroit, Miami, Boston, Panama City, Havana, Lima, Bogota
CCS	Caracas	-04.0	La Paz, Santiago, Pt of Spain
RIO	Rio De Janeiro	-03.0	Sao Paulo, Buenos Aires, Brasilia, Montevide

## 4. Qibla

### Display

- Above: current degree
- Middle: mecca degree
- Below: time



### Button function

- Press button (A) to turn on backlight 3 seconds
- Press button (B) to go back time mode.
- Press button (C) to restart qibla compass
- Press button (D) to enter compass mode.

After replace or install a new battery, press (C), «keep level» will be displayed on LCD. It requests calibrate compass first. Detail calibration method, please refer item 6 (page 13). Then press (C) to enter qibla mode.

### City setting method (See page 11 and 12)

- 1 Under default mode → time mode, press button (C) to enter into qibla compass
- 2 Long press (B) to enter into city setting
- 3 Press (C) or (D) to select first letter of the country which you stay such as Swiss, select «S»
- 4 Press (B) to enter country selection
- 5 Press (C) or (D) to select country which you stay
- 6 Press (B) to enter city selection
- 7 Press (C) or (D) to select city which you stay
- 8 Long press (B) to save city setting.

**If your city is not in the list, please select country name is «Other», city name is «User».**

### Detail method is as below:

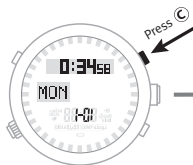
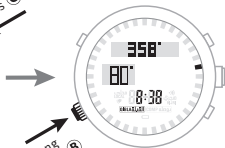
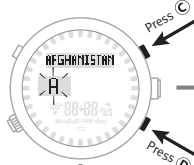
- 1 Under qibla compass mode, long press (B) to enter city setting mode
- 2 Press (D) to select first letter of country «O»
- 3 Press (B) to switch to country selection, it is «Other»
- 4 Press (B) to switch to city selection, it is «user»
- 5 Long press (B) to save setting.

### PS

When selected city is user defined position (country name is «Other», City name is «User»), please set time zone, longitude and latitude for user defined position base (See page 12),

- 1 Under default mode (time mode), press button (B) twice to enter into worldtime mode
- 2 Long press button (B) to view the city which you selected. «USER» will be displayed on LCD.
- 3 Press button (B) to enter time zone "GMT", longitude and latitude return.

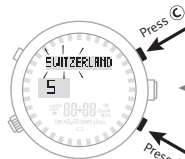
## LCD display for city setting mode

Press **C**Long press **B**Press **C**Press **D**

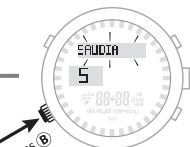
Press **C** or **D** to select the first letter of country such as «S» for Switzerland

Press **B**

Press **B** to save, then the list of Swiss cities flashes

Press **C**Press **D**

Press **C** or **D** to select the first letter of country such as «Switzerland»

Press **B**

Press **B** to save, then the list of countries flashes

Press **C**

Press **C** or **D** to select city such as «Zurich»

Long press **B**

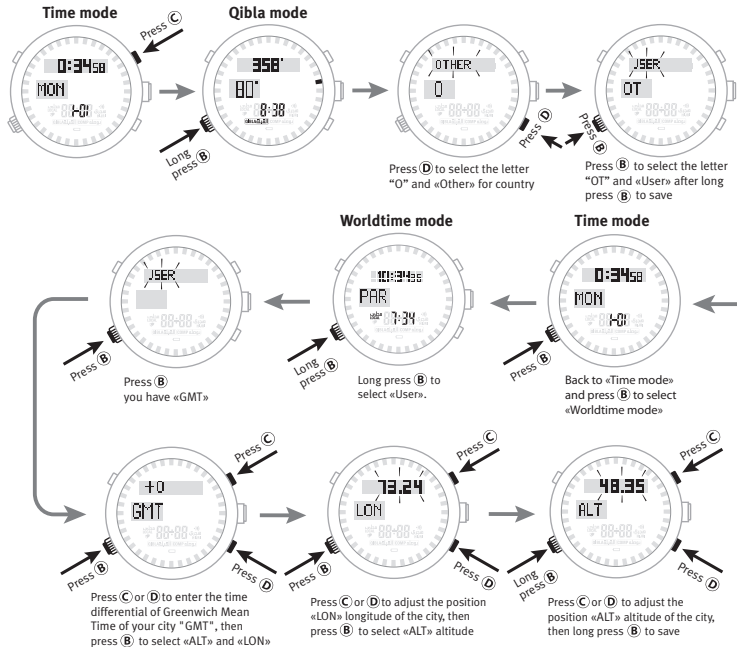
Long press **B** to save city setting



We have now the Qibla direction for «Zurich» city



## LCD display for a city of your choice "User"



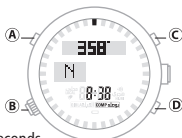
To determine the declination for your location, visit:

<http://www.ngdc.noaa.gov/geomag-web/#declination>

## 5. Compass mode

### Display

- Above: current degree
- Middle: position
- Below: time



If there is no operation in 30 seconds, compass will go back to default mode ➔ time mode. Using first time or after replacing or installing a new battery, press (D), «keep level» will be displayed on LCD. It requests calibrate compass first. Detail calibration method, please refer item 6 (below). Then press (D) to enter compass mode.

## 6. Compass calibration

### A. When should we calibrate compass?

- Using first time, it should be calibrated
- After replace or install a new battery, press (D), «keep level» will be displayed on LCD. It requests calibrate compass first
- To let compass working more accuracy, we should calibrate compass regularly
- When compass decline degree too much, we should calibrate compass.

### B How to enter into compass calibration?

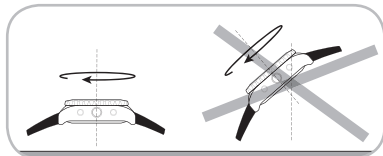
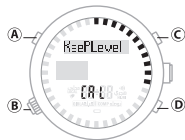
- Using first time or replace a battery, press (C) or (D), it will enter into compass calibration
- To get more accuracy data, under compass mode, long press (D), it will enter into compass calibration

### C. How to calibrate compass?

- When enter into calibration, circle on LCD display will rotate, «Keep Level» will display on the top, below will display «CAL».
- Keep watch level, rotate it with equal speed and slowly till it exits calibration automatically and enter into compass mode
- «Restart» will be displayed on LCD if we don't calibrate successfully. Press (C) to calibrate once again.

### Button functions

- Press (A) to turn on backlight 3 seconds
- Press (B) to go back time mode.
- Press (C) to enter qibla compass
- Press (D) to restart compass working, long press it to enter compass calibration.



### Under compass calibration,

- Press button (A) to turn on back light 3 second
- Press button (B) to exit compass calibration
- During calibration, only button (A) and (B) are at work.

**Position instruction**

Code	Position	Degree	Code	Position	Degree
N	North	348.75°~11.25°	S	South	168.75°~191.25°
NNE	northeast by north	11.25°~33.75°	SSW	Westsouth by south	191.25°~213.75°
NE	northeast	33.75°~56.25°	SW	Westsouth	213.75°~236.25°
ENE	Northeast by east	56.25°~78.75°	WSW	Wessouth by west	236.25°~258.75°
E	east	78.75°~101.25°	W	West	258.75°~281.25°
ESE	Northsouth by east	101.25°~123.75°	WNW	Westnorth by west	281.25°~303.75°
SE	northsouth	123.75°~146.25°	NW	Westnorth	303.75°~326.25°
SSE	Northsouth by south	146.25°~168.75°	NNW	Westnorth by north	326.25°~348.75°

## 7. Magnetic Declination

Magnetic declination is defined as the angle between magnetic north (the direction the north end of a compass needle points) and true north. Only a GPS can determine true north by knowing your exact orientation on the earth. All digital compasses measure magnetic north. The declination is positive when the magnetic north is east of true north. The declination is negative when the magnetic north is west of true north. To determine the declination for your location, visit:

<http://www.ngdc.noaa.gov/geomagmodels/Declination.jsp>

For example, Phoenix, AZ produces the following result: Declination = 10° 59' E changing by 0° 6' W/year (or +10 degrees 59 minutes changing 6 minutes per year). To convert to decimal format: Declination = 10° + 59'/60 ('/°) = 10.98° (rounded to the nearest integer, Declination = 11°). Enter +11 into the display. This will offset magnetic north by +11 degrees (or 11 degrees to the East) to true north. Note that the magnetic declination changes as a function of time for your location. In the above example, the declination changes -6 minutes (or 0.10° per year, or about 1° every 10 years). Thus, the time function is insignificant.

## City Code List

## Liste des codes des villes

## قائمة رمز المدن

<b>Afghanistan</b> Kabul - Kandahar	<b>AF</b>	<b>China</b> Beijing - Chengdu - Chengguan - Changging - Guangzhou - Haikou - Lanzhou - Shenzhen - Urumqi	<b>CN</b>
<b>Albania</b> Tirana - Berat	<b>AL</b>	<b>Colombia</b> Bogota	<b>CO</b>
<b>Algeria</b> Algiers - Annaba - Oran	<b>AG</b>	<b>Congo</b> Brazaville	<b>CG</b>
<b>Argentina</b> Buenos Aires	<b>AR</b>	<b>Costa Rica</b> San Jose	<b>CR</b>
<b>Australia</b> Brisbane - Sidney	<b>AU</b>	<b>Croatia</b> Zagreb	<b>CRO</b>
<b>Austria</b> Vienna - Salzburg	<b>AT</b>	<b>Cuba</b> Havana	<b>CU</b>
<b>Bahamas</b> Nassau	<b>BS</b>	<b>Denmark</b> Copenhagen	<b>DK</b>
<b>Bangladesh</b> Dhaka - Chittagong	<b>BD</b>	<b>Ecuador</b> Quito	<b>EC</b>
<b>Bahrain</b> Bahrain	<b>BH</b>	<b>Egypt</b> Alexandria - Asyut - Cairo - Port Said - Suez	<b>EG</b>
<b>Belgium</b> Brussels	<b>BE</b>	<b>Ethiopia</b> Addis Ababa - Asmara	<b>ET</b>
<b>Bolivia</b> La Paz	<b>BO</b>	<b>Finland</b> Helsinki	<b>FI</b>
<b>Bosnia</b> Sarajevo	<b>BIH</b>	<b>France</b> Bordeaux - Lyon - Marseille - Nantes - Paris - Strasbourg	<b>FR</b>
<b>Brazil</b> Brasilia - Rio D'Janero	<b>BR</b>	<b>Germany</b> Berlin - Frankfurt - Hamburg - Köln - München	<b>GER</b>
<b>Brunei</b> Bandar Seri Begawan	<b>BN</b>	<b>Ghana</b> Kumasi	<b>GH</b>
<b>Bulgaria</b> Burgas	<b>BG</b>	<b>Greece</b> Athens	<b>GR</b>
<b>Canada</b> Vancouver - Quebec - Toronto	<b>CA</b>	<b>Greenland</b> Nuuk	<b>GL</b>
<b>Cambodia</b> Phnom Penh	<b>CB</b>	<b>Hongkong</b> Hongkong	<b>HK</b>
<b>Chile</b> Santiago	<b>CL</b>		

<b>Honduras</b> Tegucigatpa	<b>HN</b>
<b>Hungary</b> Budapest	<b>HU</b>
<b>Iceland</b> Reykjavik	<b>IS</b>
<b>India</b> Bangalore - Calcuta - New Delhi - Mumbai	<b>IN</b>
<b>Indonesia</b> Jakarta - Manado - Medan	<b>INA</b>
<b>Iran</b> Esfahan - Mashhad - Shiraz - Tehran	<b>IR</b>
<b>Iraq</b> Baghdad - Masul	<b>IQ</b>
<b>Ireland</b> Dublin	<b>IE</b>
<b>Italy</b> Florence - Milan - Rome	<b>IT</b>
<b>Jamaica</b> Montegobay	<b>JM</b>
<b>Japan</b> Tokyo	<b>JP</b>
<b>Jordan</b> Amman - Irbid	<b>JO</b>
<b>Kenya</b> Nairobi	<b>KE</b>
<b>Korea South</b> Seoul	<b>KR</b>
<b>Kuwait</b> Al Wafra - Kuwait	<b>KW</b>
<b>Latvia</b> Riga	<b>LV</b>
<b>Lebanon</b> Beirut - Tripoli	<b>LB</b>
<b>Libya</b> Banghazi - Tripoli	<b>LY</b>

<b>Lithuania</b> Vilnus	<b>LT</b>
<b>Macedonia</b> Bitola - Skopje	<b>MKD</b>
<b>Madagascar</b> Antananariv	<b>MG</b>
<b>Malaysia</b> Jahar Bahrü - Kuala Lumpur	<b>MY</b>
<b>Mauritania</b> Naukchatt	<b>MT</b>
<b>Mexico</b> Cancun - Mexico City	<b>MX</b>
<b>Mongolia</b> Ulaanbaatar	<b>MN</b>
<b>Morocco</b> Casablanca	<b>MA</b>
<b>Nepal</b> Kathmandu	<b>NP</b>
<b>Netherland</b> Amsterdam	<b>NL</b>
<b>New Zeland</b> Aukland	<b>NZ</b>
<b>Nigaragua</b> Managua	<b>NI</b>
<b>Nigeria</b> Lagos	<b>NG</b>
<b>Norway</b> Oslo	<b>NO</b>
<b>New Oman</b> Muscat	<b>OM</b>
<b>Pakistan</b> Faisal Abad - Islamabad - Karachi - Lahore - Peshawar - Quetta	<b>PK</b>
<b>Palestina</b> Jerusalem - Gaza	<b>PS</b>
<b>Panama</b> Panama City	<b>PA</b>

<b>Paraguay</b> Asuncion	<b>PY</b>	<b>Switzerland</b> Geneva - Zurich	<b>SU</b>
<b>Peru</b> Lima	<b>PE</b>	<b>Syria</b> Damascus - Homs	<b>SY</b>
<b>Papua N. Guinea</b> Port Moresby	<b>PG</b>	<b>Spain</b> Barcelona - Cordoba - Madrid - Malaga	<b>ES</b>
<b>Philippines</b> Manilla - Mindanac	<b>PH</b>	<b>Sri Lanka</b> Colombo	<b>LK</b>
<b>Poland</b> Warsaw	<b>PL</b>	<b>Taiwan</b> Taipei	<b>TW</b>
<b>Portugal</b> Lisbon	<b>PT</b>	<b>Tanzania</b> Dar Es Salam	<b>TZ</b>
<b>Puerto Rico</b> Ponce	<b>PR</b>	<b>Thailand</b> Bangkok	<b>TH</b>
<b>Qatar</b> Doha	<b>QT</b>	<b>Turkey</b> Adana - Ankara - Antalya - Diyarbakir - Istanbul - Izmir	<b>TR</b>
<b>Romania</b> Bucharest	<b>RW</b>	<b>Tunisia</b> Sfax - Sousse - Tunis	<b>TN</b>
<b>Russia</b> Leningrad - Moscow	<b>RU</b>	<b>United Arab Em.</b> Dubai	<b>UEA</b>
<b>Rwanda</b> Kigali	<b>RW</b>	<b>Uganda</b> Kampala	<b>UG</b>
<b>Saudi Arabia</b> Dhaharan - Jeddah - Medinah - Riyadh - Tabuk	<b>SA</b>	<b>Ukraine</b> Kiev	<b>UA</b>
<b>Serbia SR</b> Belgrade		<b>United Kindom</b> Bristol - Birmingham - London - Manchester	<b>UK</b>
<b>Singapore</b> Singapore	<b>SN</b>	<b>United States</b> Boston - Chicago - Columbus - Honnolulu - Indianapolis - las Vegas - Los Angeles - Miami - New Orleans - New York - Oklahoma - Philadelphia - Portland - St Louis - Washington	<b>USA</b>
<b>Somalia</b> Mogdisho	<b>SO</b>	<b>Vietnam</b> Saigon	<b>VN</b>
<b>South Africa</b> Cape Town - Durban - Johannesburg	<b>SF</b>	<b>Yemen</b> Sanaa	<b>YE</b>
<b>Sudan</b> Khartum - Port Sudan	<b>SD</b>	<b>Zimbabwe</b> Gweru	<b>ZW</b>
<b>Sweden</b> Stokholm	<b>SE</b>		