MetaWatch smartwatch

User Guide

for STRATA and FRAME

Model SW12

Revision 1.0	10-Oct-2012
	1 of 19

METAWATCH

Product information for model SW12 Bluetooth Smartwatch

Limited Warranty

For the latest warranty information, please visit:
www.MetaWatch.com/warranty/

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful intergerence to radio communications. However, there is no guarantee that intergerence will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This portable transmitter with its antenna complies with FCC/IC RF exposure limits for general population/uncontrolled exposure.

Industry Canada Statement

Under Industry Canada regulations, this radio transmiter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This Device complies with Industry Canada License exempt RSS standard(s). operation is subject to the following two conditions:

1) This device may not cause interference.
2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le prsent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation ext autorise aux deux conditions suivantes:

1) l'appareil ne doit pas produire de brouillage, et
2) l'utilisateur de l'appareil doit accepter tout brouillage radiolectrique subi, mme si le brouillage est susceptible d'en compromettre le fonctionnement

CE Declaration of Conformity for SW12

We, Meta Watch, Ltd. of Tekniikantie 14, 02150 Espoo Finland declare under our sole responsibility that our product

Meta Watch model SW12

and in combination with our accessories, to which this declaration relates is in conformity with the appropriate standards EN300 328: V1.7.1, EN 301 489-17:V2.1.1 and EN 60 950-1:2006 following the provisions of, Radio Equipment and Telecommunication Terminal Equipment directive 1999/5/EC

Espoo, Finland, 17 September 2012

CE

Bill Geiser,
CEO

We fulfill the requirements of the R&TTE directive (1999/5/EC)

Bluetooth® Statement

This product contains QDID BO 19335 and QDID BO 17137.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Meta Watch, Ltd. under license. Other trademarks and trade names are those of their respective owners.

Contents

1 Introduction

Thank you for purchasing a MetaWatch smartwatch. This document will help you get started and answer common questions.

You MetaWatch STRATA or FRAME smartwatch came with the following items in the box.

- your watch

- a charging clip (can also be used for updating your watch firmware)

- a microUSB cable

Let's begin!

2 Starting Up

2.1 CHARGING YOUR WATCH

Your MetaWatch smartwatch system comes with a recharging clip that you can attach to the watch by squeezing the USB end to open the clip wider. The watch can then be inserted. There is a recessed area of the watch where the pin area of the clip will fit into. The clip should grip the watch snugly and securely, and both the top and bottom inside edges of the clip should be flush with the watch.

Connect the clip to the watch, plug in the USB cable (a micro USB cable is supplied in the box for you) and plug the other end into a USB power supply. When the clip has power, the clip's LED will turn on. The watch is designed to recharge from this micro USB port and also operate while charging.

The micro USB socket and USB cable of the clip allows you to plug your watch into a USB hub or any 5V USB power source to recharge. Most car adapters and wall adapters that are made for mobile phones have 5V DC output and should be able to charge your watch. When connected to a USB port on a Personal Computer you will be able to update the software on your watch to the latest versions.

Plug the watch in and let it charge to a full battery, which could take around 4 hours the first time. If your watch is charging from an empty battery, the watch should start running immediately after plugging in, it will not however continue to run while off of the clip until the battery has a sufficient charge. When the watch software is running, you should see a charging indicator turn on in the clock area after a several seconds.

2.2 WATCH SOFTWARE VERSION

Depending on your exact software version, the instructions here may be slightly different.

2.3 WATCH BUTTON MAP

Buttons are labelled A-F clockwise starting from the top right (2 o'clock). Depending on the mode you are in, your buttons may have different functions. More on that later.

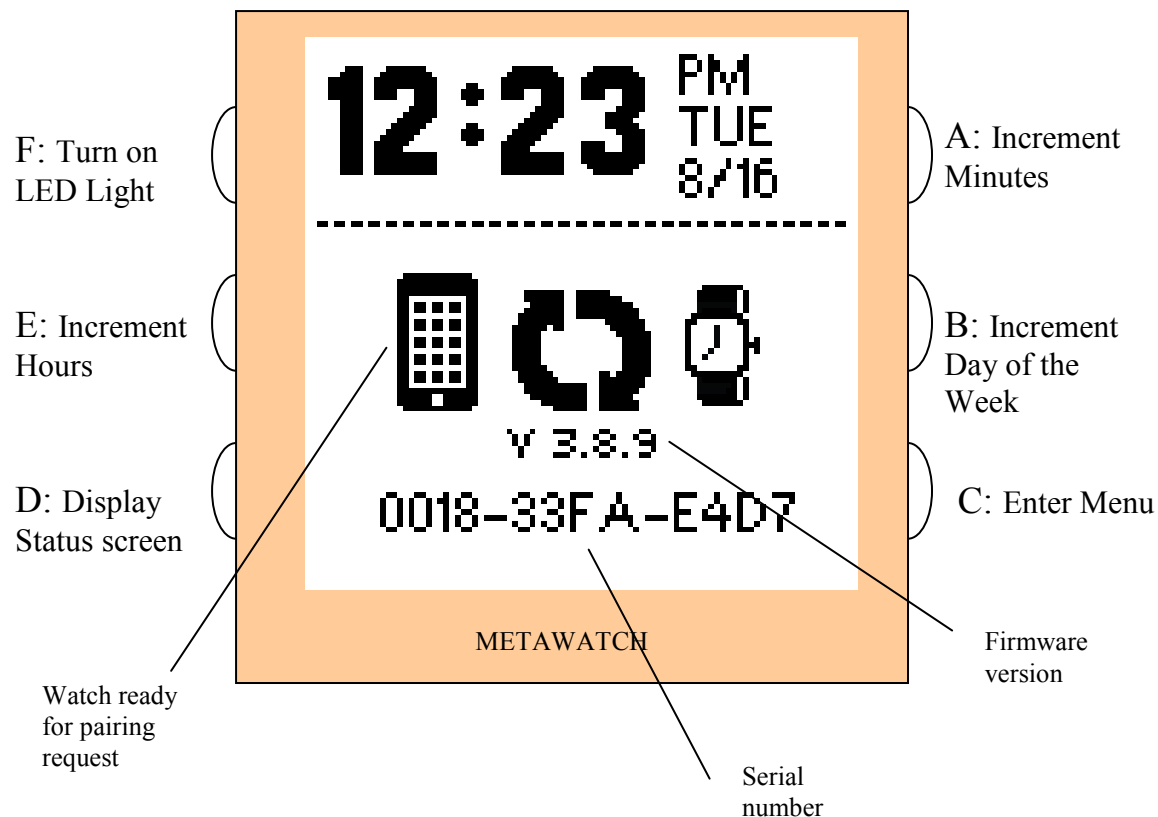

2.4 WATCH FIRST BOOT AND SETUP

Your watch should be charged from the previous step, if not, check the Trouble Shooting section.

After the watch starts-up for the first time, it will be ready to be paired with your iPhone, Android or other supported smartphone or device.

METAWATCH

Before you pair, you can still use your MetaWatch smartwatch as watch. Use the buttons below to set the time before you have any connection from a phone. The watch will continue to keep time for you.

F: Turn on LED Light

E: Increment Hours

D: Display Status screen

A: Increment Minutes

B: Increment Day of the Week

C: Enter Menu

12:23 PM TUE 8/16

Y 3.8.9

0018-33FA-E4D7

METAWATCH

Watch ready for pairing request

Firmware version

Serial number

After a period of time with no pairing request, the watch will turn the Bluetooth radio off to save power. The button assignment stays the same.

F: Turn on LED Light

E: Increment Hours

D: Display Status screen

Watch turned off Bluetooth to save power

A: Increment Minutes

B: Increment Day of the Week

C: Enter Menu

METAWATCH
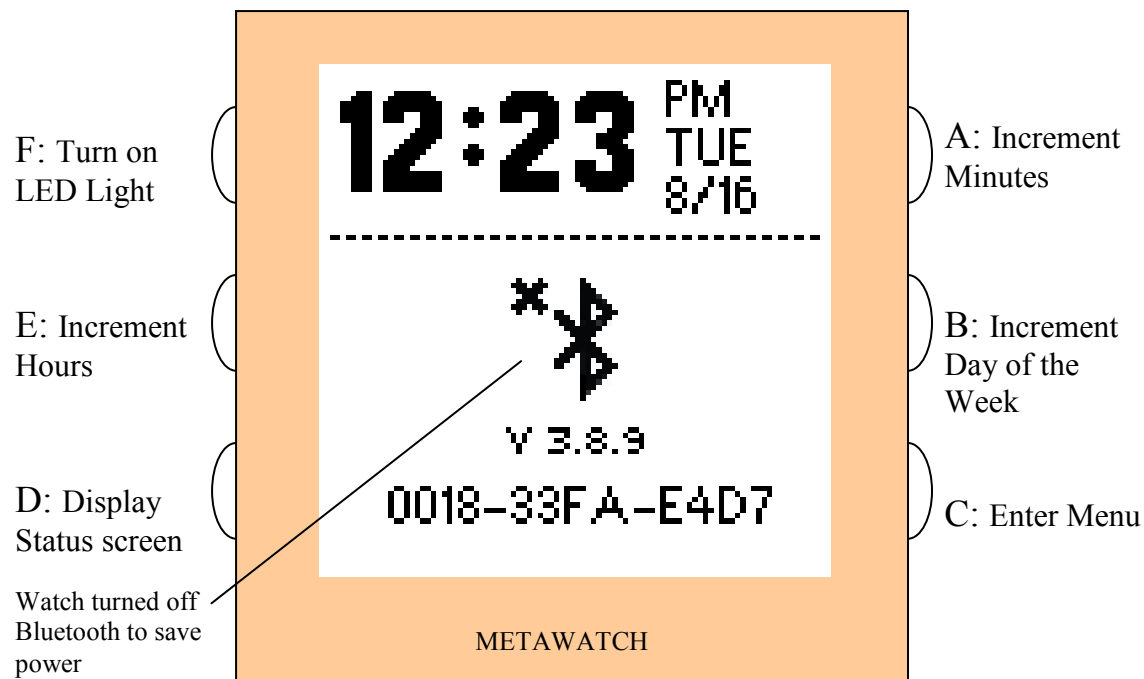
Bluetooth can be turned back on via the Menu. See the Menu section.

When you boot and you already have a paired connection, the first screen looks like this:

METAWATCH

3 Pairing and Connecting

Make sure the watch has Bluetooth ON before pairing.

3.1 IPHONE

Download and install the MetaWatch Manager application from iTunes.

Make sure the watch has Bluetooth ON on your watch and your phone before going to the next step.

Open the MetaWatch application, and tap "Connect".

The MetaWatch application will discover your watch and automatically connect. Your watch will remember your phone and will not connect to any new phones. Default widgets will be populated on your watch.

Next you need to make a connection from your iOS Bluetooth Settings (sorry, this is necessary in iOS right now). You should see the watch in the list of discoverable devices as "MetaWatch SW12", simply tap on the name to connect and pair. If you don't see the name, back up, and try again. The pairing code is four zeros. Enter "0000" with no quotes when prompted.

Next you need to turn on iOS "Show Notifications". Tap the Settings arrow next to the name "MetaWatch SW12", in this screen, turn the "Show Notifications" toggle to ON.

Now you are ready!

3.2 ANDROID

Download the MetaWatch Manager application from the Google Play store.

Make sure the watch has Bluetooth ON on your watch and your phone before going to the next step.

Open the MetaWatch application, go to "Menu->Settings->Select Watch".

A list of discoverable devices will be displayed. If you do not see the watch at first, double check your Android phone has Bluetooth set to ON and also that the watch has Bluetooth ON. If so and you still can not see the watch, back out and try again.

Once you see the watch in the list of discoverable devices, simply tap on the watch (check the MAC address in the phone list matches the serial number your watch is displaying).

Next go "Back" and hit "Menu->Start". The MetaWatch service will attempt to connect, if the watch had not been paired previously, then a pairing request will be displayed either as a pop-up menu or as an item in the notification bar.

The pairing code is four zeros. Enter "0000" with no quotes. The pairing should complete and the MetaWatch Manager will finish establishing the connection to the watch.
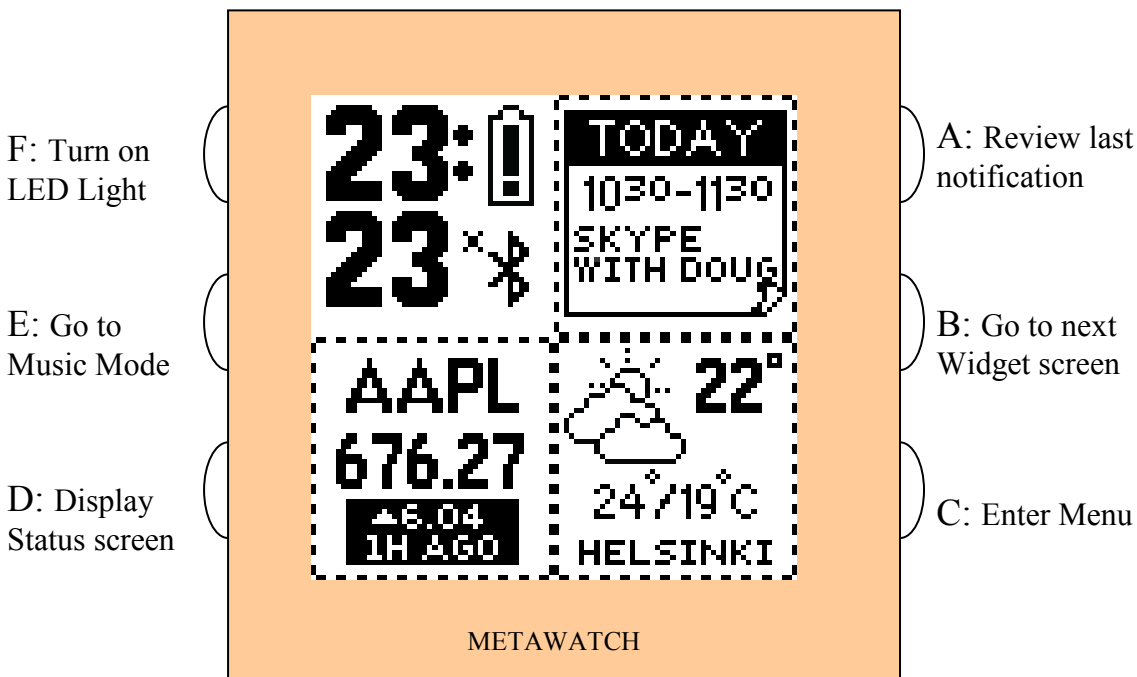
You're all set!

4   Using your watch

4.1   WIDGETS

In the MetaWatch Manger app, you can select up to four screens of widgets for your watch to save. These range from clocks or calendar, to stock and weather information. They give you glancabele information every time your check your watch! Use button B to cycle through all the widget screens.

F: Turn on LED Light

E: Go to Music Mode

D: Display Status screen

A: Review last notification

B: Go to next Widget screen

C: Enter Menu

METAWATCH

4.2   NOTIFICATIONS

When you receive a new notification, that notification is given the entire display for you to read the information you need. Use Button A, to exit from viewing this notification, or do nothing and you will return to your Widget view when the notification ends. Calendar, iMessage/SMS, and Caller ID are examples below.
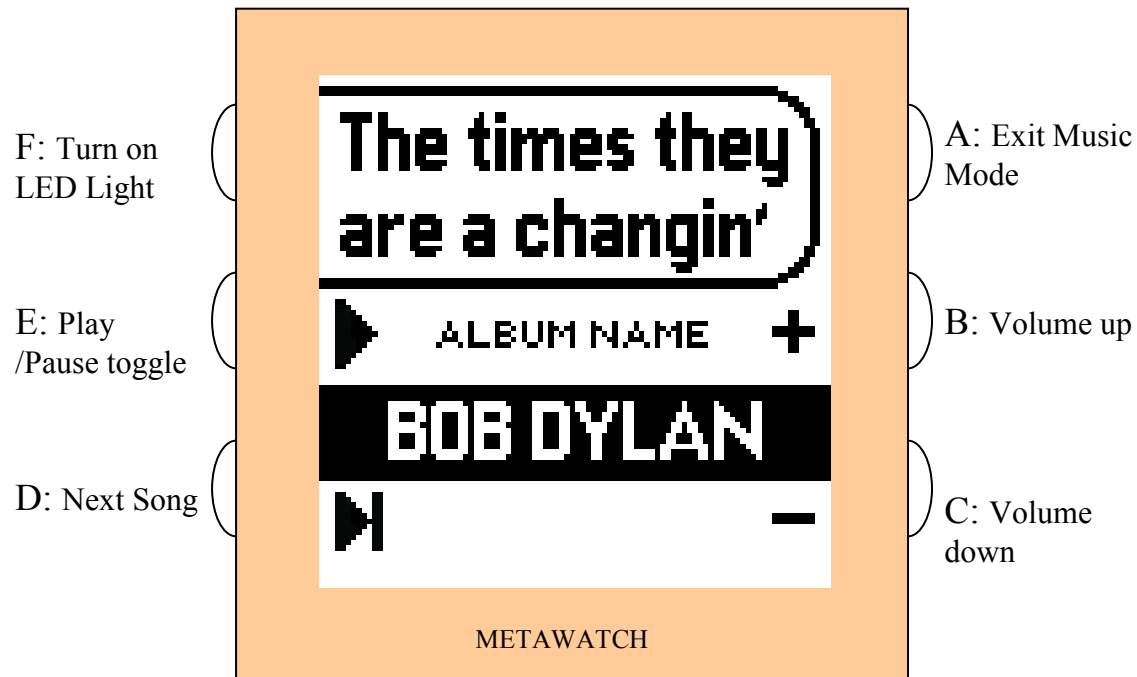

<table>
<tr><td>Revision 1.0</td><td>10-Oct-2012</td></tr>
<tr><td></td><td>11 of 19</td></tr>
</table>

4.3 MUSIC

When in music mode, the current song, and artist name will be displayed. You can control the playback of your music using the watch buttons.
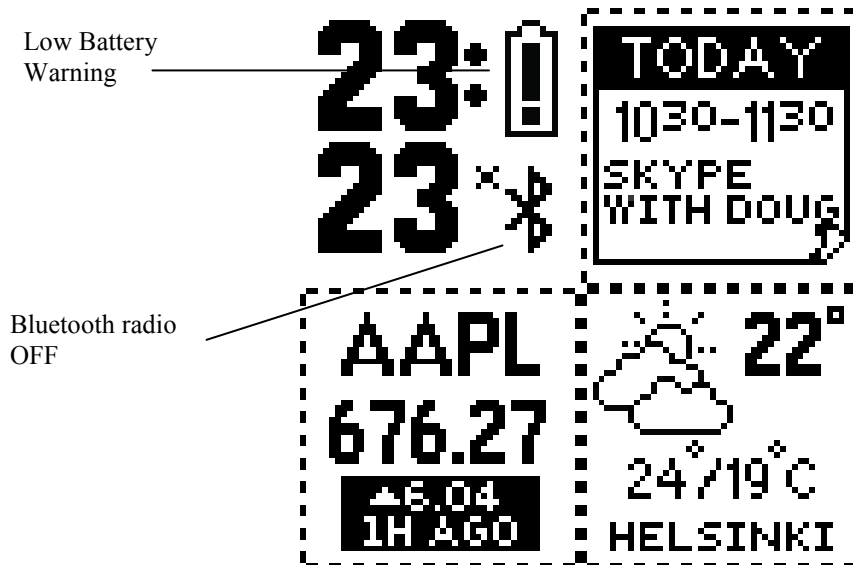
F: Turn on LED Light

E: Play /Pause toggle

D: Next Song

The times they are a changin'

▶ ALBUM NAME ╋

BOB DYLAN

▶▌ ━

METAWATCH

A: Exit Music Mode

B: Volume up

C: Volume down

4.4 SYSTEM ALERTS

The clock widgets also can give you information about system alerts. Examples are low battery warnings, Bluetooth off, or phone disconnected events. These serve as constant reminders that there is a warning or alert from the system.
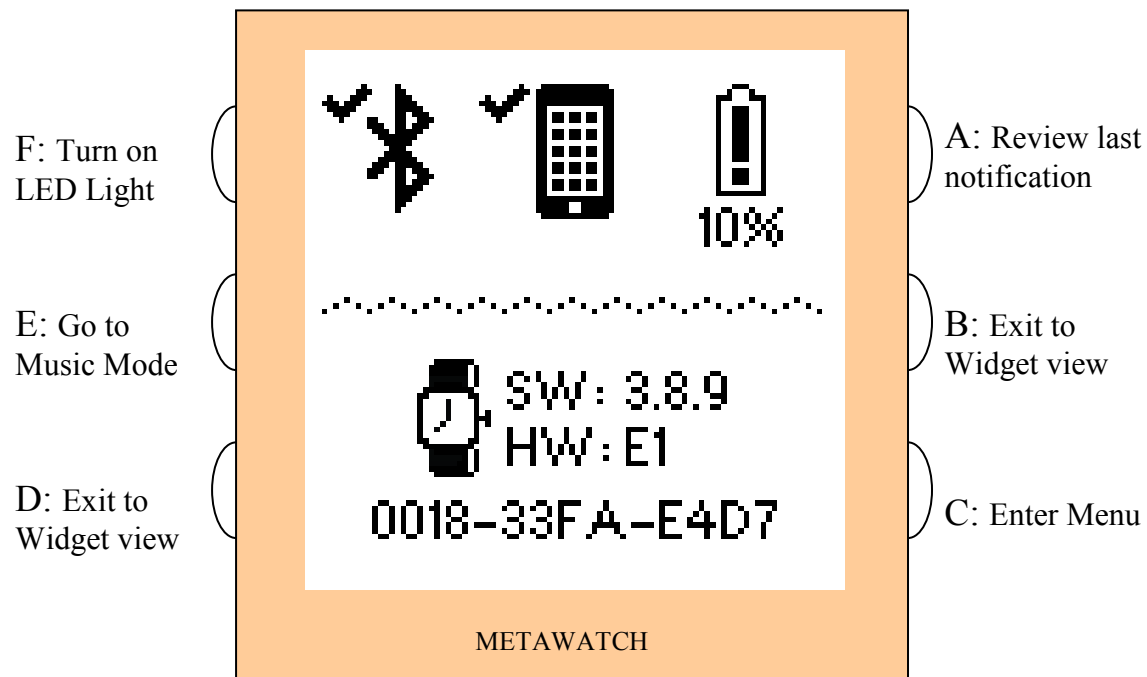
Low Battery
Warning

Bluetooth radio
OFF

23:
23

TODAY
1030-1130
SKYPE
WITH DOUG

AAPL
676.27
▲6.04
1H AGO

22°
24°/19°C
HELSINKI

4.5 STAUS DISPLAY

The status display gives you some more detailed information about your watch. You can see the status of the Bluetooth radio (ON / OFF), the status of the connection to your phone (ON / OFF / Warning), and the detailed battery level of the watch.

The Software (SW) and Hardware (HW) versions and serial number are also displayed here.
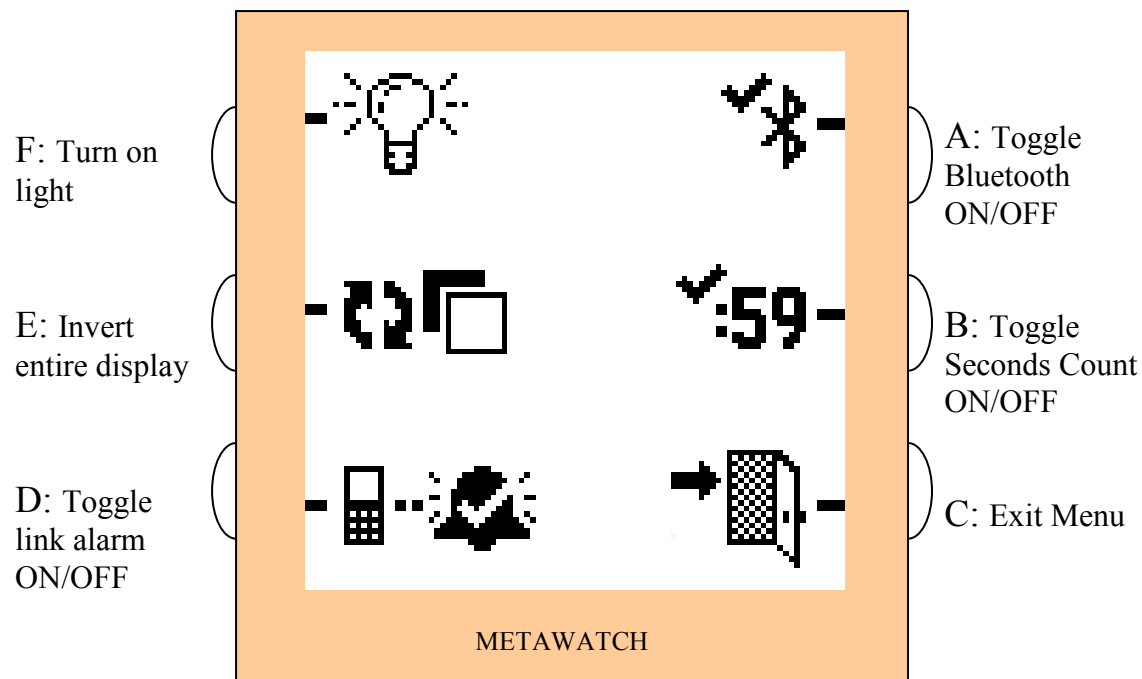
F: Turn on LED Light

E: Go to Music Mode

D: Exit to Widget view

SW: 3.8.9
HW: E1
0018-33FA-E4D7

METAWATCH

A: Review last notification

B: Exit to Widget view

C: Enter Menu

Revision 1.0	10-Oct-2012
	14 of 19

5   Menu

Your watch menu gives you access to common functions that you might like access to, even without your phone. Each icon represents one function and can either be ON or OFF. For most of these settings, an "X" represents the OFF state, a "check" represents ON state. Pressing the button next to that icon will flip that setting, and the icon will change to represent the new state. The effect of any changes here is immediate and there is no need to "save" settings before exiting.

F: Turn on light

E: Invert entire display

D: Toggle link alarm ON/OFF

METAWATCH

A: Toggle Bluetooth ON/OFF

B: Toggle Seconds Count ON/OFF

C: Exit Menu

5.1   BLUETOOTH ON / OFF (BUTTON A)

The icon shows you the status of Bluetooth. The Icon can be either

OFF

Loading

Or ON

When turning ON, you will see the "Loading" state for a short period of time. When turning OFF, it will switch immediately to the OFF state.

Revision 1.0	10-Oct-2012
	15 of 19

5.2 SECONDS ON / OFF (BUTTON B)

When OFF, time is displayed in Hours and Minutes. This is the default state and gives you the best power consumption. When ON, Hours, Minutes, and Seconds are displayed in the clock area.

Seconds count updates the display once per second and will reduce your battery life.

Not every watch face or clock can display a second's count by design.

5.3 EXIT MENU (BUTTON C)

This Exits the menu and returns you to your Widget screen.

5.4 LINK ALARM ON / OFF (BUTTON D)

When ON (which is the default), if your phone is too far from your watch and you lose the connection, your watch will vibrate to warn you your phone is left behind. This can be useful for not accidentally leaving your phone behind somewhere or for simply being aware of your connected status. A system icon in most clock areas will also remind you of your disconnected status.

When OFF, you will not be alerted by the watch with vibration, but the system icon showing the disconnected status will sill be displayed.

5.5 INVERT DISPLAY (BUTTON E)

This will invert the display of your watch. The two states are "white on mirror" or "mirror on white". Pressing this button will flip between these states. You might change this to suit your mood or to improve display visibility is some situations.
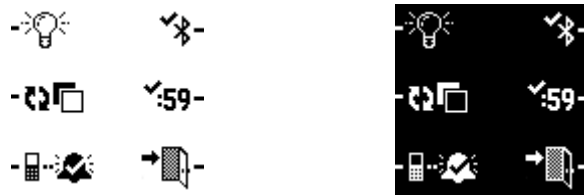
5.6 TURN ON LIGHT (BUTTON F)

There are no settings associated with this button, instead this button will turn the light ON for viewing the display in the low light and dark conditions. This button is available for use in most other watch modes as well.

Revision 1.0	10-Oct-2012
	16 of 19

6 Updating your Firmware

6.1 INSTALL YOUR DRIVERS

First, unplug your clip from your PC

Next download drivers for your charging clip – Windows, Mac, and Ubuntu Linux are supported. You can download from here, make sure you select from "Currently Supported VCP Drivers" section.
http://www.ftdichip.com/Drivers/VCP.htm

Follow the directions

6.2 INSTALL YOUR DRIVERS

After installing drivers, your clip will be given a COM port on your PC when it's plugged in.

Connect your clip and run the MetaWatch Manager Update application.

The software will reflash your watch and then verify the program in memory. You will get a success or failure. If you run into trouble, the old program is saved and can be loaded back on.

Revision 1.0	10-Oct-2012
	17 of 19

7 Support

Please visit www.metawatch.com/support to get support information.

8 Developers! Participate in the Community

You make us better. Help improve Meta Watch by reporting bugs, contributing your own code, requesting enhancements, or just participating in the discussion. Please visit the Forums section of www.MetaWatch.org and join the community!