

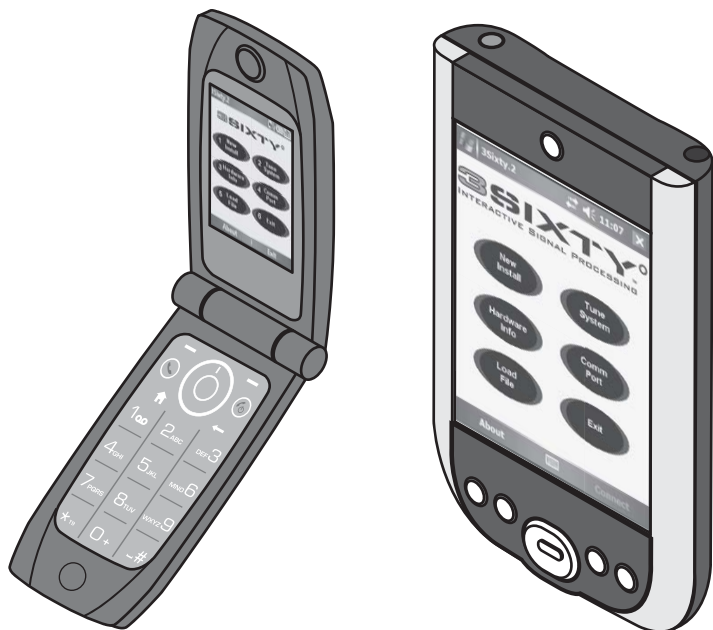
Rockford Fosgate®

3SIXTY™ INTERACTIVE SIGNAL PROCESSOR

Installation and Operation Supplement For



Smartphones & Pocket PCs



BEFORE YOU START!

This supplement is only for the installation and operation of software for Windows Mobile™ devices, Pocket PC and Smartphones.

NOTE: *This software is not designed for use with Microsoft Windows™ for PC.*

For the installation of the 3Sixty Interactive Signal Processor, use the Installation and Operation manual that came with your 3Sixty unit. The manual also covers the software use for Palm® OS devices.

*To get a free brochure on Rockford Fosgate products and Rockford accessories, visit our web site at: **www.rockfordfosgate.com** or, in the U.S. call 1-800-669-9899 or FAX 1-800-398-3985. For all other countries, call +001-480-967-3565 or FAX +001-480-967-8132.*

If, after reading your manual, you still have questions regarding this product, we recommend that you see your Rockford Fosgate dealer. If you need further assistance, you can call us direct at 1-800-669-9899. Be sure to have your serial number, model number and date of purchase available when you call.

The serial number can be found on the outside of the box the 3Sixty unit came in.

SAFETY INSTRUCTIONS



WARNING

This symbol with “**WARNING**” is intended to alert the user to the presence of important instructions. Failure to heed the instructions will result in severe injury or death.



CAUTION

This symbol with “**CAUTION**” is intended to alert the user to the presence of important instructions. Failure to heed the instructions can result in injury or unit damage.



CAUTION: To prevent injury and damage to the unit, please read and follow the instructions in this manual. We want you to enjoy this system, not get a headache.

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NOTE: Review each section for more detailed information.

New Features Compared to Palm OS Version

1. **DEMO MODE** – When the application is started, a screen will show a list of Bluetooth devices available. You can select a 3Sixty unit or choose DEMO to run the program in demo mode. This will allow you to get familiar with the program before making adjustments to an actual 3Sixty unit. While in demo mode, the main screen has a “Connect” button. You can use this to connect to a 3Sixty unit and run the program normally.
3. **NEW INSTALL** – On the main screen there is now only 1 button for a new setup. This button should be used whether you have a factory radio and want to run OEM integration, or an aftermarket radio and use 3Sixty as a processor. Once you select this button, it will ask you if you have an OEM source, if you choose No, it will ask you if you have an aftermarket source.
3. **EQ Adjustments** – You may use the directional pad to adjust the EQ in 1 dB increments. By pressing left and right you will cycle thru each frequency and by pressing up/down you will adjust that frequency.

3Sixty.2 Only

4. **UNDO** – While tuning the EQ, you can undo each adjustment you made in individual steps.

NOTE: The undo buffer will clear if you jump to another channel.

5. **AUX EQ** – You cannot adjust the EQ while in normal mode. This software will ask you if you would like to switch to your aux input, which will then allow you to adjust the Aux EQ. When you are done, you are given the option to go back to the normal input or remain in aux mode.
6. **File Structure – File Saving** – Create a new file by selecting New Setup, when done you will be prompted to save the file. If you choose YES, it will ask you for a file name. The file will be stored locally on your Pocket PC or Smartphone device and you will be taken back to the main screen. If you choose Tune System, the file stored on the 3Sixty will be retrieved. If you have a file with the same name on your device, it will NOT be overwritten! At this point you can make all of the changes you like. When you are done, you will be asked if you would like to save the changes. You can choose YES to update the file on the Pocket PC or Smartphone device, or NO and your original file will remain intact. Now, your 3Sixty will have the changes you made since they were updated in real time but your file will remain safe on your device. To restore the 3Sixty to the state before the changes were made, simply choose Load File from the main menu.
7. **Duplicate File Name** – If you name a file the same name as an existing file, you will be prompted if you want to overwrite the file or change your file name. No duplicate file names will be allowed.
8. **File Format** – Files in Windows Mobile are stored as file name.360. These files are stored in My Device\My Documents\Rockford\3Sixty. When your device is synced with your PC, you will be able to access these files directly on your PC (My Documents\{device name}\My Documents\Rockford\3Sixty). These files may be moved anywhere on your PC for permanent archival purposes. This feature is great for a dealer who wants to create a folder on their PC for individual customers. To put this file back on your WMD, simply drag and drop it into the folder representing your WMD and it will instantly transfer to your WMD. The 100 file limit has been removed and you are only limited by the size of your device storage capacity.

Smartphones without Touch Screen Feature

9. **Main Menu** – Each button has a corresponding number associated, to select a button simply press the corresponding key.
10. **Home Screen** – Each channel has a corresponding number associated, to select a channel simply press the corresponding key.
11. **Options** – Certain features are located in the Options menu depending on the screen you're in.
Example: While in the Home Screen, the features Overview, Save As, Aux and Level are located under the Options menu.

Visit our web site for the latest information on all Rockford products.

www.rockfordfosgate.com

SOFTWARE INSTALLATION

Supported Devices

- Windows Mobile 5.0 Pocket PCs and Smartphones.
- Devices must also have Microsoft .Net 2.0 compact framework (available free at microsoft.com).
- Bluetooth with Microsoft Bluetooth Stack.

NOTE: To determine if you have Microsoft Bluetooth Stack on your device, you need to check the Bluetooth settings. At the bottom of the screen there may be an "About" tab. If not, then your device has a Microsoft Bluetooth Stack. If you locate an "About" tab, clicking on it may bring up "Broadcomm" or "Widcomm". These will not support the following software.

NOTE: Go to www.rockfordfosgate.com for an updated list of compatible devices.

Software Installation

Before installing the software onto your device, you will need to determine the type of device, screen resolution and the model of the 3Sixty unit installed in your vehicle (3Sixty.1 or 3Sixty.2).

The folders on the disc are as follows;

- 3Sixty.1 or 3Sixty.2 – QVGA (lo-res) for Pocket PC and Smartphone with PPC Smartphone Edition.
- 3Sixty.1v or 3Sixty.2v – VGA (hi-res) for Pocket PC.
- 3Sixty.1SQ or 3Sixty.2SQ – Smartphone QVGA for Smartphone device without touch screen.

NOTE: Due to the different Pocket PCs and Smartphones devices available for use with this software, the following instructions takes into account that you have an understanding of the operation of the device you are using.

1. ActiveSync your Windows Mobile device to your PC.
2. Insert the 3Sixty Setup Disc into your PC and open the folder you need.
3. Run the Setup.exe file. During installation, the program will verify that your device has Microsoft .Net 2.0 framework currently installed on your PC. If not, the system will automatically goto the Microsoft site, download and install the program. This is required to run our software.

NOTE: A prompt saying "The Software is from an Unknown Publisher" may appear. Select YES to continue installation.

4. When complete, the program can be accessed by clicking Start>Programs. You will see an icon for each 3Sixty application you have installed.

NOTE: If after the program is installed onto your Windows Mobile device and you get an error message saying you need to update the Microsoft .Net compact framework to 2.0. Download and install the Microsoft .Net 2.0 compact framework free from microsoft.com. This is required to run our software on your Windows Mobile device.



OPERATION

NOTE: Due to the different Pocket PCs and Smartphones devices available for use with this software, the following instructions takes into account that you have an understanding of the operation of the device you are using.

BLUETOOTH CONNECTION

The 3Sixty unit is controlled wirelessly using Bluetooth® technology. This enables the user to control the unit anywhere within the range of the Bluetooth antenna. The standard range is approximately 30 feet. This range may be less depending on the obstacles between the 3Sixty unit and the Windows Mobile device.

1. Turn vehicle key to accessory.
2. Wait for red power LED on the 3Sixty unit to stop blinking.
3. Run the 3Sixty (3Sixty.1 for 3Sixty.1, or 3Sixty.2 for 3Sixty.2) application on your Windows Mobile device.
4. Select the 3Sixty unit name from the list shown and select "OK" to connect.

NOTE: The default name on the list is the serial number for the 3Sixty unit. The serial number is located on the bottom of the 3Sixty unit.

NOTE: If the 3Sixty unit you are looking for does not appear, move closer to the 3Sixty unit and try again using Find More. This is found under the "Options" menu on devices without touch screen.

5. The first time a screen will appear requesting the security passkey for the unit, this is the PIN (Personal Identification Number) for the 3Sixty unit. The default PIN is 0000 (four zeros).
6. Once Bluetooth connection is established, the Windows Mobile device will show the main menu and the 3Sixty unit power LED will turn blue.

NOTE: A screen may appear requesting that you assign partnership settings, this is **not** required, continue by selecting finish.

NEW INSTALL-START

1. Connect to the 3Sixty via Bluetooth Connection. See procedure above.
2. Select the **New Install** Icon from the main screen and the 3SIXTY setup wizard will appear. Select "1" for devices without touch screen.

NOTE: A set of screens will walk you thru the process. At times, you may click Cancel to return to the main screen.

3. First you will be asked whether you have an OEM source (factory installed) or after-market source. Make the "Yes" or "No" selections to choose the source your vehicle has.

Follow the instructions on page 6 if your vehicle has a OEM source system (factory installed) for the initial setup of the 3Sixty.

Follow the instructions on page 7 if your vehicle has a aftermarket source system for the initial setup of the 3Sixty.

NOTE: For devices without touch screen, some selections are done using the numeric keys.



3Sixty.1 Main Menu Screen Touch Screen



3Sixty.2 Main Menu Screen Touch Screen



3Sixty.1 Main Menu Screen without Touch Screen



3Sixty.2 Main Menu Screen without Touch Screen

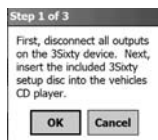
OPERATION-SETUP

New Setup for OEM Source Systems (Factory Installed)

After making your selection to do a new setup for an OEM System, a box will appear on the screen showing Step 1 of 3.

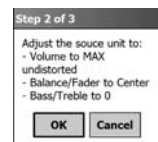
Step 1 of 3

- A: Disconnect all outputs on the 3Sixty device.
- B: Insert the "3Sixty Setup Disc" CD into the vehicle's main CD player. Play track 1 and set the player to repeat the track.
- C: Select "OK" to continue.



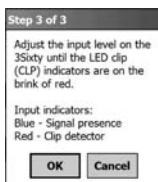
Step 2 of 3

- A: Set the volume to maximum on the source unit, or to a point where the sound does not distort.
- B: Set the source unit's Balance/Fader to center.
- C: Set the source unit's Bass and Treble to 0.
- D: Select "OK" to continue.



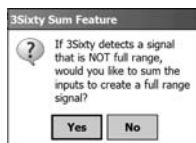
Step 3 of 3

IMPORTANT: If you are not using the 6 main inputs (Front/Rear Left and Right, Center and Sub), or a signal is not detected at an input, the 3Sixty will SUM the inputs (all left channels will form one signal and all right channels will form one signal). Stereo imaging will be maintained but your fader may cease to function.



NOTE: The signal presence (SLP) and clipping (CLP) LED's are located under the input RCAs. If there is an input whose SLP blue LED is not on, then use a small flathead screwdriver to turn the "LEVEL" control up (clockwise) until the blue LED comes on. If at maximum setting the blue LED does not come on, turn it back all the way down and recheck your connections. You may need to recheck the Bass and Treble settings or use a different input. If you still can't get the signal presence (SLP) blue LED to come on, troubleshoot the system. If the problem still persists, call customer service.

- A: Using a small flathead screwdriver, turn the "LEVEL" control up (clockwise) until the clipping (CLP) indicator just begins to blink red. Turn the level down (counter-clockwise) slightly if the indicator is steady red. The ideal setting is where the CLP red LED is blinking.
 - B: Select "OK" to continue.
1. Switch the CD player to play track 2.
 - A: Select "OK" to continue.
 2. You will then be asked if you wish to SUM the channels if a full range signal is not detected. Make your choice, Yes or No to continue.
 - a: YES, if full-range signal is not detected, at one or more main inputs, the software will SUM that channel.
 - b: NO, any signal detected at an input will be the same signal at the same output. Any signal not detected will cause the software to SUM that channel.
 3. OEM Integration in Progress or the busy wheel will display. When the red power indicator on the 3Sixty unit stops flashing, press OK to continue.



NOTE: This process may take up to 10 minutes to complete, please be patient. If you press OK before the process is complete, the program will notify you of a loss of bluetooth connection. The 3Sixty will continue unaffected. When the red power indicator on the 3Sixty unit stops flashing, simply reconnect to the 3Sixty unit and select Tune System to continue.

3. Reconnect the RCA outputs to the 3Sixty unit.
4. Setup is now complete and "Select a Channel" (Tuning Screen) will appear. You may now continue tuning your system by selecting any of the speakers shown on the image, see Tuning Your System - EQ on page 8. Or, you can select DONE to exit.

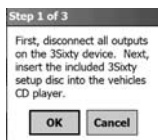
3Sixty.2: If you selected "DONE", you will be asked to save the current file. Either select "Yes" to save the file (see Loading and Saving a File at the end section of Operation), or "No" to continue exiting without saving the file. The current setup file is maintained on the 3Sixty unit and will be used when you access the unit.

New Setup for Aftermarket Source Systems

After making your selection to do a new setup for an OEM System, a box will appear on the screen showing Step 1 of 3.

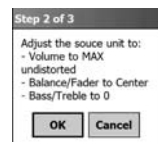
Step 1 of 3

- Disconnect all outputs on the 3Sixty device.
- Insert the "3Sixty Setup Disc" CD into the vehicle's main CD player. Play track 1 and set the player to repeat the track.
- Select "OK" to continue.



Step 2 of 3

- Set the volume to maximum on the source unit, or to a point where the sound does not distort.
- Set the source unit's Balance/Fader to center.
- Set the source unit's Bass and Treble to 0.
- Select "OK" to continue.

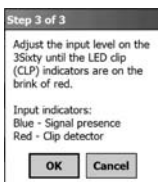


Step 3 of 3

NOTE: The 3Sixty can be set up to create a 6-channel output with only 2-channels (Left and Right) of input. However, for the best sound stage, it is strongly recommended to connect into all of the main inputs (AUX not required). The system will SUM if you are not using the 6 main inputs (all left channels will form one signal and all right channels will form one signal). Stereo imaging will be maintained but your fader may cease to function.

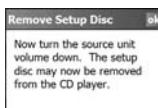
NOTE: The signal presence (SLP) and clipping (CLP) LED's are located under the input RCAs. If there is an input whose SLP blue LED is not on, then use a small flathead screwdriver to turn the "LEVEL" control up (clockwise) until the blue LED comes on. If at maximum setting the blue LED does not come on, turn it back all the way down and recheck your connections. You may need to recheck the Bass and Treble settings or use a different input. If you still can't get the signal presence (SLP) blue LED to come on, troubleshoot the system. If the problem still persists, call customer service.

- Using a small flathead screwdriver, turn the "LEVEL" control up (clockwise) until the clipping (CLP) indicator just begins to blink red. Turn the level down (counter-clockwise) slightly if the indicator is steady red. The ideal setting is where the CLP red LED is blinking.



NOTE: You only need to adjust the levels for the inputs being used.

- Select "OK" to continue.



Reconnect Outputs

- Turn the volume down on your source unit and reconnect the RCA outputs to the 3Sixty unit. Stop the CD player and you may remove the disc.

NOTE: At this point some outputs may not have an audio signal. This will be corrected after the end of Select Connected Inputs.

- Select "OK" to continue.

Select Connected Inputs

- The screen "Select which inputs are connected" will appear. Select the check boxes for the inputs connected to your 3Sixty. Connection to at least the Front inputs is required.



NOTE: For devices without touch screen, some selections are done using the numeric keys.

- Select "OK" to continue. Downloading Data or the busy wheel will display.

- Setup is now complete and "Select a Channel" (Tuning Screen) will appear. You may now continue tuning your system by selecting any of the speakers shown on the image, see Tuning Your System - EQ on page 8. Or, you can select DONE to exit.

3Sixty.2: If you selected "DONE", you will be asked to save the current file. Either select "Yes" to save the file (see Loading and Saving a File at the end section of Operation), or "No" to continue exiting without saving the file. The current setup file is maintained on the 3Sixty unit and will be used when you access the unit.

OPERATION-TUNING

TUNING YOUR SYSTEM - EQ

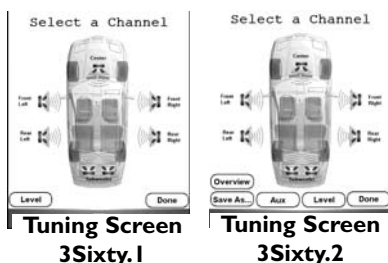
If you are continuing from the previous section then continue to step 1. If you need to load a file or are connecting to a 3Sixty unit, see Loading a File in section Operation-Files, or Bluetooth Connection at the beginning of section Operation-Setup.

1. Select "Tune System" from the main menu to go to the Tuning Screen.

NOTE: Except for devices without a touch screen, adjustments made are in real time and these adjustments are saved to the 3Sixty unit. Devices without a touch screen require that you press "0" to update the 3Sixty unit.

Tune System

The first screen is the Tuning Screen, here you can select a speaker icon to go to the EQ and crossover settings. With the 3Sixty.2 you can also get an overview of your current settings, save your settings as a file on your Windows Mobile device, adjust the settings for the auxiliary input and set the output levels for all the channels. Selecting done will return you to the main menu.



Setting the Equalizer (EQ)

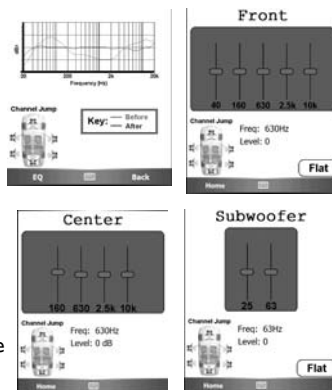
NOTE: Be patient, when adjustments are made to the EQ, the system may take a few moments to update. During the updating process the Blue LED on the 3Sixty unit will blink and the busy wheel will be displayed on the screen. Normal operation will resume when the updating is finished.

1. To access the EQ and other features select the desired speaker in the tuning screen. If the OEM Source System setup was used, the next screen will show a frequency response of before and after. To continue to the EQ, select EQ.

3Sixty.1: The front channels have a 5-band equalizer (EQ), the center and rear channels have a 4-band EQ, and the sub channel has a 2-band EQ.

3Sixty.2: The front left and right channels have a 31-band 1/3rd octave equalizer (EQ), the center, rear left and right channels have a 27-band 1/3rd octave EQ, and the sub channel has a 10-band 1/3rd octave EQ.

NOTE: You can move quickly to any of the channels by selecting the speaker of the channel you want in the Channel Jump area.



Touch Screen Devices

To adjust the EQ, simply use the stylus to move a slider. You can also use the directional pad to adjust the EQ. By pressing left and right you will cycle thru each frequency and by pressing up/down you will adjust that frequency in 1 dB increments.

NOTE: The active slider parameters, frequency and level, are shown in the magnifier display for easy view. These values cannot be edited directly.

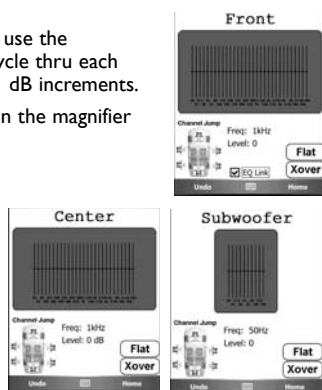
Devices Without Touch Screen

To adjust the EQ, simply use the Left/Right arrows to select which frequency you would like to adjust.

Press the Up/Down arrows to move the slider (adjust the frequency).

NOTE: Devices without a touch screen require that you press "0" to update the 3Sixty unit.

NOTE: The active slider parameters, frequency and level, are shown in the magnifier display for easy view. These values cannot be edited directly.



Flat (All Channels) - 3Sixty.2 Only

Selecting the Flat icon will reset your EQ parameters to nominally flat for that channel. If the channel was linked, front or rear channels, this will reset both left and right channels.

Undo (All Channels) - 3Sixty.2 Only

While tuning the EQ, you can undo each adjustment you made backwards in order, in individual steps, by selecting Undo.

NOTE: The undo buffer will clear if you jump to another channel.



EQ Link - Front and Rear Channels - 3Sixty.2 Only

By selecting EQ Link, the current channel and its stereo mate are linked together. Any adjustment made to the active channel will also occur on the mate channel. This mode is recommended for novice users. The title for that EQ will change to either Front Channels or Rear Channels depending on the channels you linked.

Home

Selecting Home will return you back to the Tuning Screen.

Xover (Crossover) - 3Sixty.2 Only

Selecting "Xover" will take you to the crossover adjustment screen.

TUNING YOUR SYSTEM - OUTPUT LEVEL

If you are continuing from the previous section then continue to step 1. If you need to load a file or are connecting to a 3Sixty unit, see Loading a File in section Operation-Files, or Bluetooth Connection at the beginning of section Operation-Setup.

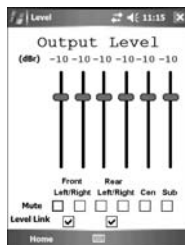
1. Select "Tune System" from the main menu to go to the Tuning Screen.
2. Select LEVEL to enter the level output screen.

Level (Output Level)

1. All 6 channels are shown on this screen. Each stereo pair can be linked by selecting the "Level Link" box. By default this box is selected. When channels are linked adjusting one will automatically adjust the other.
2. The output level for each channel can be adjusted using the slider control. This is adjustable between 0 and -40dB.

NOTE: For devices without a touch screen, use the Left/Right and Up/Down arrows to select and adjust the feature you want. They also require that you press "0" to update the 3Sixty unit.

NOTE: You can also adjust the output level individually when adjusting the crossover of each channel in the Xover screen.



Mute

3. When the Mute box is selected, the audio on that channel (plus its stereo mate if Level Link is selected) will become muted. This feature is typically used when tuning individual channels.

NOTE: For devices without a touch screen, to access the Mute check-boxes, select Options.

NOTE: Be sure to deselect all mute boxes when adjustment is complete.

Level Link - Front and Rear Channels

4. Selecting level Link will link the level adjusters for front left and/or right or rear left and right together. Any adjustment made will also occur on the mate channel. This also includes muting and solo selection.

NOTE: For devices without a touch screen, to access the Level Link check-boxes, select Options.

Home

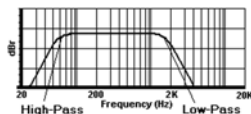
5. Selecting Home will return you back to the Tuning Screen.

OPERATION-TUNING

TUNING YOUR SYSTEM - XOVER (3SIXTY.2 ONLY)

If you are continuing from the previous section then continue to step 1. If you need to load a file or are connecting to a 3Sixty unit, see Loading a File in section Operation-Files, or Bluetooth Connection at the beginning of section Operation-Setup.

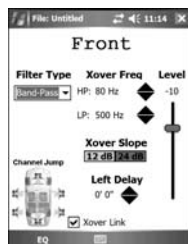
1. Select "Tune System" from the main menu to go to the Tuning Screen.
2. Select the speaker channel you will be adjusting.
3. From the EQ screen, select "Xover" to take you to the crossover adjustment screen for that channel.



NOTE: For touch screen devices, you can move quickly to any of the channels by selecting the speaker icon of the channel you want in the Channel Jump area. For devices without touch screen, select Channel Jump then the channel you want to go to.

Xover (Crossover)

NOTE: For devices without a touch screen, use the Left/Right and Up/Down arrows to select and adjust the feature you want. Pressing the select key while in this feature will bring up the a value display screen for easy selection.



Filter Type - Front, Rear and Center Channels

1. The crossovers for each channel can be configured as either high-pass (HP), low-pass (LP), band-pass (BP) or completely by-passed (AP). Except the subwoofer channel which is set to low-pass (LP).

Xover frequency (Crossover Frequency)

2. Frequency is adjustable between 50 and 10000Hz in stepped increments for front, rear and center channels and between 50 and 200Hz for the subwoofer channel
3. When in band-pass mode (BP) there are 2 corner frequencies. The high-pass frequency is the lowest frequency you want for your speaker while the low-pass frequency is the highest frequency. See the sample graph.
4. When you select any mode (except AP) the current crossover frequency will be displayed. Use the arrows to the immediate right of each field to adjust the frequency up or down.
5. Frequency adjusts in stepped increments, 5 increments between 50 and 100, 10 increments between 100 and 250, 50 increments between 250 and 1000, 250 increments between 1000 and 5000, and 1000 increments between 5000 and 10000.

Xover Slope (Crossover Slope)

6. Select the crossover slope you want, either 12dB/octave or 24dB/octave. The steeper the slope, the faster the roll-off, resulting in less content passing through the device from the unwanted frequency range.

NOTE: If you are unsure as to the correct setting, consult your local Authorized Rockford Fosgate Dealer for correct recommended setting for your specific system.

Delay

7. Each channel, except the sub channel, has the ability to be delayed. The delay ranges from 0 to 5 feet in increments of 2 inches. This feature is used to manipulate the sound field image within the vehicle. Select the up and down arrows to adjust the delay.

NOTE: For devices without a touch screen, use the Left/Right and Up/Down arrows to select and adjust the feature you want.

NOTE: The Xover Link does NOT link the left and right stereo pair delay like it does to the other crossover settings. Each channel remains independent and must be adjusted as such.

Xover Link (Crossover Link) - Front and Rear Channels

8. Each channel may have unique crossover settings; this flexibility is left up to the user. For a novice user, it is recommended that the check box labeled "Xover Link" is left checked (default). When this box has a check mark in it, it links the stereo channels. For example, if the active channel is Front Right and this box is checked, every change you make to the crossover will also be duplicated on Front Left. The exception to this is delay. Delay will always remain independent on each channel.

Level (Output Level)

9. The output level can be adjusted using the slider located on the right hand side of the display. This is adjustable between 0 and -40dB. This control helps in compensating for vehicle acoustics.

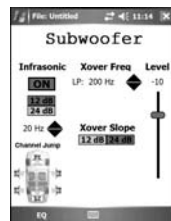
NOTE: You can also adjust all the output levels at the same time in the Level Screen which can be accessed on the Tuning Screen.

Infrasonic (Subwoofer only)

10. Selecting "ON" for Infrasonic in the Subwoofer xover screen will allow you to set either a 12 or 24dB octave Infrasonic filter between 20 and 35Hz. This control helps in compensating for vehicle acoustics.

EQ (Equalizer)

11. Selecting EQ will take you back to the equalizer screen for that channel.



TUNING YOUR SYSTEM - AUXILIARY (3SIXTY.2 ONLY)

If you are continuing from the previous section then continue to step 1. If you need to load a file or are connecting to a 3Sixty unit, see Loading a File in section Operation-Files, or Bluetooth Connection at the beginning of section Operation-Setup.

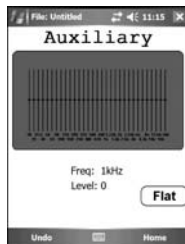
1. Select "Tune System" from the main menu to go to the Tuning Screen.
2. Select "Aux" to enter the auxiliary EQ adjustment screen.

Aux (auxiliary EQ)

Touch Screen Devices

To adjust the EQ, simply use the stylus to move a slider. You can also use the directional pad to adjust the EQ. By pressing left and right you will cycle thru each frequency and by pressing up/down you will adjust that frequency in 1 dB increments.

NOTE: The active slider parameters, frequency and level, are shown in the magnifier display for easy view. These values cannot be edited directly.



Devices Without Touch Screen

To adjust the EQ, simply use the Left/Right arrows to select which frequency you would like to adjust. Press the Up/Down arrows to move the slider (adjust the frequency).

NOTE: Devices without a touch screen require that you press "0" to update the 3Sixty unit.

NOTE: The active slider parameters, frequency and level, are shown in the magnifier display for easy view. These values cannot be edited directly.

Flat

Selecting "Flat" will reset your EQ parameters to nominally flat for that channel.

Undo

You can undo each adjustment you made backwards in order, in individual steps, by selecting Undo.

Home

6. Selecting Home will return you back to the Tuning Screen.

TUNING YOUR SYSTEM - OVERVIEW (3SIXTY.2 ONLY)

If you are continuing from the previous section then continue to step 1. If you need to load a file or are connecting to a 3Sixty unit, see Loading a File in section Operation-Files, or Bluetooth Connection at the beginning of section Operation-Setup.

1. Select "Tune System" from the main menu to go to the Tuning Screen.
2. Select "Overview" to enter the Overview screen.

Overview

This screen gives you an overview of the current settings in your 3Sixty unit. The screen shows the settings for all the channels, except Aux (auxiliary). It shows the output levels, xover and frequency settings, slope settings, delay settings and a small graph of the current EQ settings.

NOTE: No settings or adjustments can be made on this screen.

Selecting Done will return you to the Tuning screen.

	Front		Rear		
	Left	Right	Left	Right	Can. Sub
Level	-10	-10	-10	-10	-10
Xover	BP	BP	AP	AP	BP
Freq	80	80	---	---	20
Slope	24	24	24	24	24
Delay	0' 0"	0' 0"	0' 0"	0' 0"	---
EQ					

OPERATION-TUNING

TUNING YOUR SYSTEM - SAVE AS... (3SIXTY.2 ONLY)

Even though all the settings and adjustments you have done are saved real-time to the 3Sixty unit, you may want to save the settings to a file onto your Windows Mobile device for later review or modification.

1. Selecting "Save As..." in the tuning screen allows you the option of saving the current settings to a file.
2. A screen will appear asking you to enter a file name that you want to save the current settings as.
3. After entering a file name, either select OK to save your file or Cancel to exit out of this option.

NOTE: If you name a file the same name as an existing file, you will be prompted if you want to overwrite the file or change your file name. No duplicate file names will be allowed.

NOTE: These files are stored in the directory - My Device\My Documents\Rockford\3Sixty.



OPERATION-FILES

SAVING, LOADING AND DELETING FILES (3SIXTY.2 ONLY)

IMPORTANT: If you are connected to a 3Sixty unit via Bluetooth when you load a file, any settings currently on the 3Sixty unit will be overwritten. We suggest you save your settings before loading a new file.

Anytime you connect to a 3Sixty unit via bluetooth, the current settings of the 3Sixty are loaded onto the Windows Mobile device. Any adjustments made on the Windows Mobile device are relayed real-time back to the 3Sixty unit. Saving the current settings will allow you to make adjustments and reload the old settings if you decide the new settings aren't working out. This also gives you the availability to save a multitude of files for different 3Sixty applications.

File Name

The current file name will vary depending on which method was used to get the file. When loaded, the file name will be displayed in the upper area of the Windows Mobile device's screen.

- A. If you connected to a 3Sixty unit via Bluetooth, the file name will be the one currently stored in the 3Sixty unit (factory default name will be "Untitled"). During setup, if the user does not change the name from Untitled, you will be prompted to save the file.
- B. If the Load File feature was used, the file name will be the one shown in the Load File list.

Saving a File

NOTE: It is NOT necessary to save the file. Any adjustments made on the Windows Mobile device are relayed real-time back to the 3Sixty unit. If you wish to save, simply choose Yes and you will be taken to the Save As window.

- A. If you're doing a New Install you will be prompted to save your file. If you wish to save, simply choose Yes and you will be taken to the Save As window.
- B. If you retrieved a file from the 3Sixty unit via Bluetooth connection or loaded an existing file from the Windows Mobile device, you can save and/or rename the file by going to the Tune System screen and clicking on the Rename File icon. A screen will appear asking you to enter a file name that you want to save it as. After entering a file name, either click the Save icon to save your file or the Cancel icon to exit out of this option.

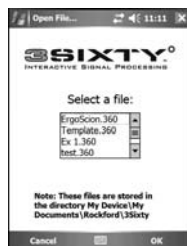


Loading a File

1. To access a previously saved file, choose Load File from the main screen.
2. A list of the saved files will pop-up on the display. Highlight the desired file and select OK to continue.

IMPORTANT: If you are connected to a 3Sixty unit via Bluetooth when you load a file, any settings currently on the 3Sixty unit will be overwritten. We suggest you save your settings before loading a new file.

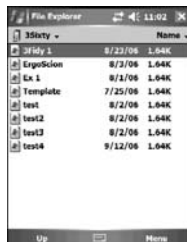
3. The settings in the loaded file will replace those currently in the 3Sixty unit. You can make changes to the settings and either save as a new file or save over the old file using the same file name.



Deleting a File

The Windows Mobile device has the ability to store as many files as you have space for. These files can be backed up onto your PC when the Windows Mobile device uses the ActiveSync feature.

1. To view all of the files, use the File Explorer on your Windows Mobile device and go to My Device\MyDocuments\Rockford\3Sixty.
2. A list will be displayed with all of the files. To delete a file, simply highlight the desired file and select Delete from the Menu list.
3. A confirmation will be displayed, click the Yes icon to delete or the No icon if you have changed your mind.



NOTE: Once files are deleted they cannot be retrieved, unless they have been saved to your PC, so make sure the file is no longer needed. The number of files will vary from each type of Windows Mobile device. The more space a Windows Mobile device has, the more files that can be stored on it.

HARDWARE INFORMATION

Each 3Sixty contains system information. This information includes the devices name, serial number, Bluetooth® PIN (Personal Identification Number) and other important information.

NOTE: As new features become available for your 3Sixty unit, this is the section you will use to update your firmware.

1. To view the information on your 3Sixty unit, select "Hardware Info" on the main screen.

NOTE: If the Windows Mobile device is running the demo mode, the hardware settings will only display N/A. You must be connected to a 3Sixty unit to retrieve this information.

Device

1. This is the current name of the 3Sixty unit you are currently connected to. This is not the file name, this is the name the 3Sixty unit uses during Bluetooth connection.

NOTE: The default name is "3Sixty" and it's serial number.

2. To change the name of the 3Sixty, select the box with the current device name.
3. Enter the new name and then select Done, you will be asked if you want to change the name. Select "Yes" to continue or "No" to cancel out of this option.

Serial

4. This is the serial number of the 3Sixty unit you are currently connected to. The serial number can also be located on the bottom of the 3Sixty unit. This information cannot be modified.



OPERATION-FILES

Pin # (Personal Identification Number)

5. This is the PIN number of the 3Sixty unit you are currently connected to.

NOTE: The default PIN is "0000" (four zeros). This number can also be reset to default by pressing the PIN RESET button on the 3Sixty unit with the head of a pen.

6. To change the PIN number of the 3Sixty, select the box with the current number.

3. Enter the new PIN number and then select Done, you will be asked if you want to change the number. Select "Yes" to continue or "No" to cancel out of this option.

Firmware Version

8. This is the version of the firmware currently running the 3Sixty unit you are currently connected to.

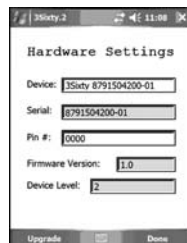
NOTE: The firmware version may change during Upgrade Device.

Device Level

9. This tells you which 3Sixty you have, either 3Sixty.1 or 3Sixty.2.

Done

10. Selecting Done will return you back to the Main Screen.



OPERATION-REMOTE

REMOTE CONTROL

Use the 3Sixty Installation and Operation manual for the installation of the remote control.

OPERATION

Setting Features

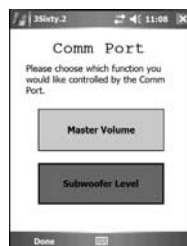
If you're continuing from the main screen then continue to step 1. If you are connecting to a 3Sixty unit, see Bluetooth Connection at the beginning of section Operation-Setup.

1. Select "Comm Port" from the main menu to go to the Comm Port Screen.
2. Select either "Master Volume" or "Subwoofer Level" to decide which feature the remote will control. Select Done to continue.

A: Selecting Master Volume will allow the remote to control the volume output of the 3Sixty unit.

B: Selecting Subwoofer Level will allow the remote to control the volume level for the subwoofer (SUB) output of the 3Sixty unit.

NOTE: This feature only attenuates up to the maximum Output Level that was set for the 3Sixty unit. See Operation-Tuning, Tuning Your System - Output Level for setting the output level of the 3Sixty unit.



Control

1. You can select between the main and auxiliary inputs on the 3Sixty unit by pressing in on the knob of the remote. The audio will mute for a moment while it switches inputs.

NOTE: When switched to the auxiliary inputs, the remote will only control the master volume.

3Sixty Unit

Use the 3Sixty Installation and Operation manual for troubleshooting the 3Sixty unit.

Windows Mobile Device

Windows Mobile locks up or freezes.

- A. Perform a soft reset on your Windows Mobile by locating the RESET button on the Windows Mobile. Please see Windows Mobile owner's manual for location of this button as it varies from device to device.

When installing the 3Sixty programs onto my Windows Mobile, I do not see them listed in the available applications.

- A. See Software Installation at the beginning of this manual to ensure you have loaded the correct software for the Windows Mobile device you are using.

The Windows Mobile device won't connect to the 3Sixty.

- A. Check that 3Sixty is powered up and power indicator is solid, not blinking.
- B. Make sure you are using the appropriate software for your hardware, IE 3Sixty.1 software with a 3Sixty.1 device or the 3Sixty.2 software for a 3Sixty.2 device.
- C. Make sure Windows Mobile device is not in DEMO mode (When in this mode, the file being adjusted will be named "Untitled" in the upper part of the screen).
- D. Move Windows Mobile device closer to the 3Sixty unit, there may be too much metal between the 3Sixty and the Windows Mobile device reducing the signal strength.
- E. Verify you have the correct PIN.

When adjusting the EQ, the Windows Mobile device appears to freeze or lock up.

- A. When you adjust the EQ, the Windows Mobile device will show "Updating..." on the top of the EQ section. This is an indication that the Windows Mobile is still processing your changes. Simply wait and this message should disappear and Windows Mobile will become active. If it does not, you may need to reset your Windows Mobile (see Windows Mobile owners manual for more info).

LIMITED WARRANTY INFORMATION

See the 3Sixty Installation and Operation manual for warranty information on your 3Sixty unit.



Installation assistance available at:

RFTECH

www.rockfordfosgate.com/rftech



Rockford Fosgate

Rockford Corporation

546 South Rockford Drive

Tempe, Arizona 85281 U.S.A.

In U.S.A., (480) 967-3565 - Customer Service 1-800-669-9899

In Europe, Fax (49) 8503-934014

In Japan, Fax (81) 559-79-1265

www.rockfordfosgate.com