

OXMOOR[®]

C O R P O R A T I O N

A Limited Liability Company

TWEEQ[™]-WIN EQUALIZER CONTROL SOFTWARE



Installation
& Operation
Manual

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TWEEQ INTRODUCTION

WHAT IS TWEEQ™?

TWEEQ is a software package that offers a fast and effective way of equalizing sound systems using Oxmoor's DEQ-I and DEQ-II High Resolution Programmable Equalizers. While presenting a visual control interface with a similar appearance and operation to the DEQ-II's front panel controls, Oxmoor's TWEEQ software offers enhanced resolution for easy adjustment. Another significant advantage of using TWEEQ is that multiple curves may be stored on disk.

The accessory TWEEQ software package includes software, a serial protocol conversion box that makes your computer PA-422 compatible, and a cable to interconnect your computer and the conversion box.

Before you begin to work with TWEEQ, we recommend that you become familiar with your current hardware and software. We strongly recommend that you examine Oxmoor's DEQ-I and DEQ-II "Installation & Operation Manual" if you have any questions about DEQ Names, Presets, Preset Titles, etc.

MINIMUM REQUIREMENTS

Minimum hardware:	IBM PC AT compatible; mouse; one RS-232 serial port
Minimum System software:	Microsoft Windows 3.0 or later.
Minimum memory:	Two megabyte (2 MB).

TWEEQ INSTALLATION

1. Insert the TWEEQ disk into the A: drive and, at the C:> prompt, type "A:/INSTALL". Then press <ENTER>.

A TWEEQ directory will be created and the program will be installed in it.

2. Run Microsoft Windows and, from Program Manager, Click on the File menu item.

3. Select the New menu item.

A dialog box will appear asking if you would like to add a Group or item.

4. Click on the item radio button; then click on OK.

Another dialog box will appear asking for additional information.

5 In the Description edit box, type in "TWEEQ".

6. Now click on the Browse button.

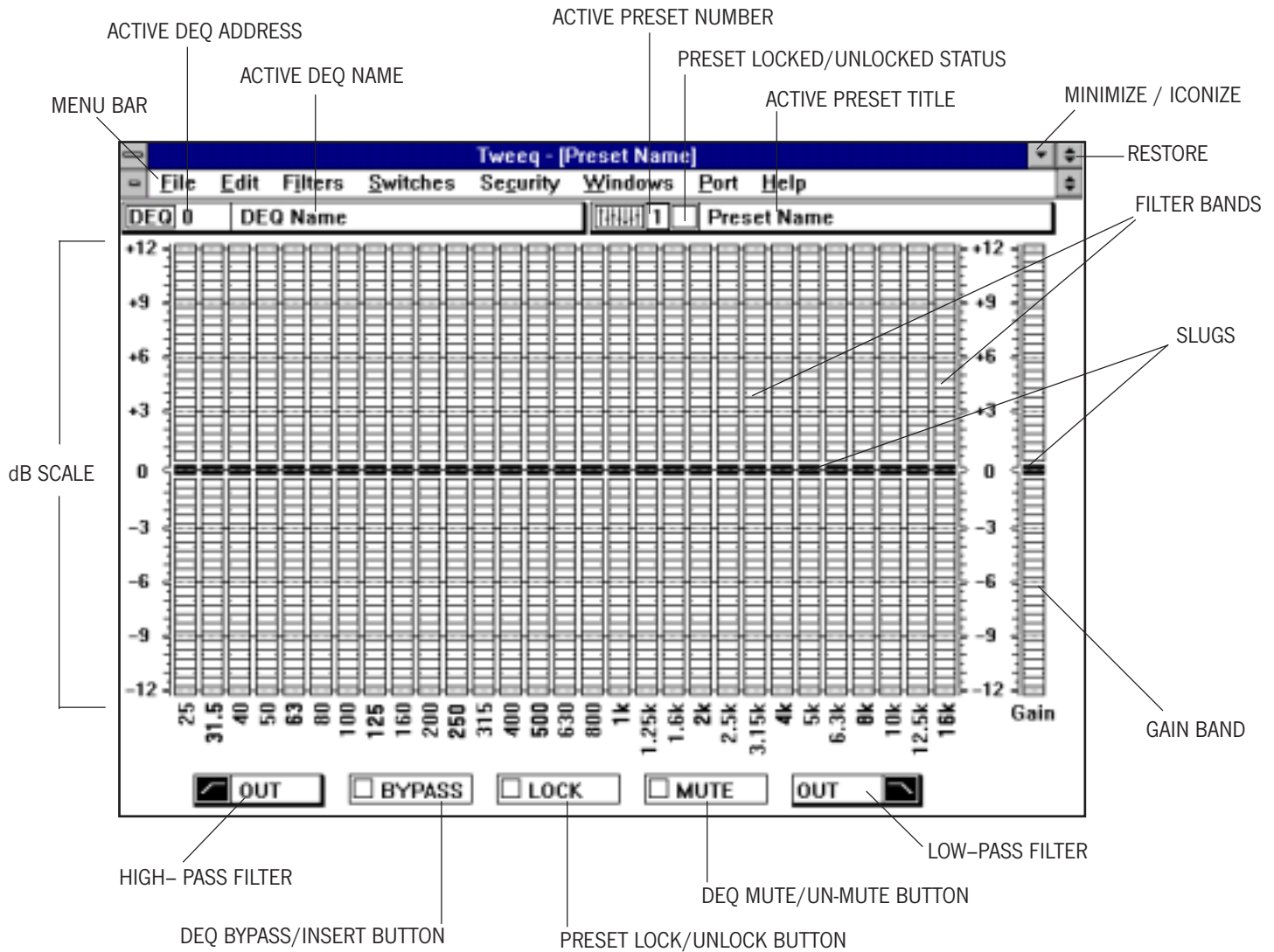
7. Change to the "TWEEQ" directory and double click on "TWEEQ.EXE".

8. Click on OK.

For more information on any Oxmoor product, please contact the Oxmoor Sales Department. Or download complete product brochures and manuals at our website: www.oxmoor.com.

The logo for Oxmoor, featuring the word "OXMOOR" in a stylized, bold, serif font. The letters are closely spaced, and there is a registered trademark symbol (®) at the end of the word.

TWEEQ OPENING SCREEN



- MENU BAR** Contains the pull down menu items available with TWEEQ
- ACTIVE DEQ NAME** Displays the name of the active equalizer if a name has been given
- ACTIVE DEQ ADDRESS** Displays the PA-422 address of the selected DEQ
- ACTIVE PRESET NUMBER**..... Displays the number of the active preset
- PRESET LOCKED/UNLOCKED STATUS** Displays a lock icon when the selected Preset is locked
- ACTIVE PRESET TITLE** Displays the title of the Preset if a title has been given
- HI-PASS FILTER** Displays the cut-off frequency of the Hi-Pass filter
- DEQ BYPASS/INSERT BUTTON** Bypasses and inserts the active DEQ
- PRESET LOCK/UNLOCK BUTTON**..... Locks and unlocks the active Preset
- DEQ MUTE/UN-MUTE BUTTON** Mutes and un-mutes the active DEQ
- LOW-PASS FILTER** Displays the cut-off frequency of the Low-Pass filter
- GAIN BAND** The area that represents the output gain control
- SLUGS** Used to adjust filters and gain control
- FILTER BANDS**..... The areas that represents the 1/3 octave filters

GETTING STARTED WITH TWEEQ

Open TWEEQ from Program Manager by double clicking on the TWEEQ icon. The screen which will appear is described on page 2 of this manual.

MOVING A SLUG

Use the mouse to position the cursor inside one of the filter bands, then press and hold the mouse button. The "slug" should move to the cursor position. Continue to depress the mouse button while moving the cursor up and down within the filter band to drag the "slug" along with the cursor. This action is analogous to sliding the filter controls on a conventional graphic equalizer. Release the mouse button. Move the cursor to the Gain Band then press and hold the mouse button. The "slug" should again move to the cursor position. Drag the cursor up and down the Gain Band and watch the "slug" follow.

Once you have captured a "slug," if you continue to press the mouse button you can move the cursor anywhere within the Filter Bands or Gain Band areas without losing control of the captured slug. This allows you to capture a slug and then move the cursor to the dB scale located on each side of the filter Bands for precise positioning of the slug.

SETTING HIGH- OR LOW-PASS FILTERS

Position cursor on either box, then press the mouse button. A dialog box will open displaying other filter choices. Click on the desired frequency. Then click on OK. The frequency you have selected will appear in the rectangular Filter box.

BYPASS, LOCK AND MUTE

To BYPASS/INSERT, LOCK/UNLOCK, MUTE/UNMUTE, click on the box that corresponds to desired function. Clicking on each box will toggle the designated function between its two modes. Each click will cause an X to appear or disappear, indicating the status of the function as follows:

DEQ is out of the system	<input checked="" type="checkbox"/> BYPASS
DEQ is INSERTed into the system	<input checked="" type="checkbox"/> LOCK
Active Preset is LOCKed	<input checked="" type="checkbox"/> MUTE
Current Preset is UNLOCKed	<input type="checkbox"/> BYPASS
DEQ is MUTED	<input type="checkbox"/> LOCK
DEQ is UNMUTED	<input type="checkbox"/> MUTE

NOTE: The spacebar on the keyboard will also MUTE or UNMUTE the active DEQ. The 0 (zero) key on the keyboard will also BYPASS or INSERT the active DEQ.

OPENING COMMUNICATIONS BETWEEN YOUR PC AND A DEQ

If the PC on which TWEEQ is operating is connected to a DEQ, you may open communications with the DEQ as follows: Click on the Port menu item. Select the COM port you will be using. The default is COM2 (indicated by a check mark). Click on the Connect menu item. The DEQ address dialog box prompts you to enter the address of the DEQ. (See DEQ-I and DEQ-II "Installation & Operation Manual" for information on DEQ addresses.)

NOTE: If no DEQ's are connected you will get an error message when you select a new address.

4. Enter the address of the DEQ and click on the OK button. The selected number will appear in the Active DEQ Address box.

TO SELECT ANOTHER DEQ ADDRESS

Click on the Active DEQ Address box. The DEQ address dialog box will appear. Enter the new address and click on the OK button. The selected number will appear in the Active DEQ Address box.

TO NAME AN ACTIVE DEQ

Click on the Active DEQ Name area. A dialog box will open. Type the desired DEQ name and click on the OK box. The DEQ Name will appear in the Active DEQ Name area.

Selecting a Preset By Number

Use the mouse to position the cursor inside the Active Preset Number box, then click on the Preset number. A menu will appear listing the Preset numbers available. Now click on the desired Preset number in the menu. Then click on OK. The selected number will appear in box.

NOTE: By using the numeric keys (1-8) on the keyboard the user may also select new Presets.

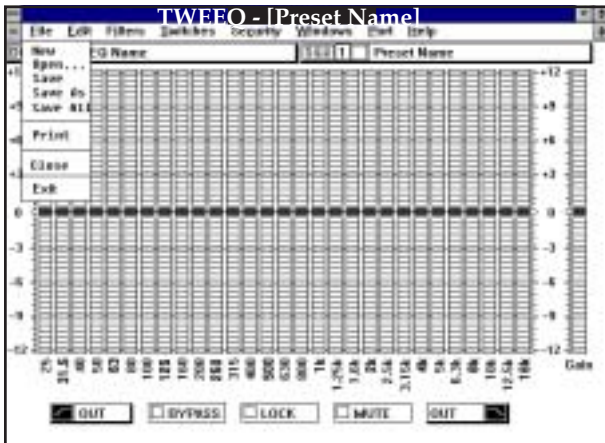
Titling an Active Preset

Click on the active Preset Title area. A dialog box will open. Type in the Preset Title. Click on the OK button. The Preset Title you entered will appear in the Preset Title area.

SELECTING A PRESET BY TITLE

If a DEQ is connected, and Preset Titles have been assigned, you may select a Preset by its Title. Click on the Preset Title area. A dialog box will appear. Click on the combo box symbol (the symbol that looks like a down arrow) A list of all eight Preset Titles will appear in the combo box. Double click on the desired Preset Title. The Preset and its associated curve will be displayed on the screen.

TWEEQ MENUS



THE FILE MENU

NEW This function creates a new TWEEQ window and makes it active. The new window is initially not assigned to an equalizer. This fact is denoted by the zero in the DEQ and Preset number boxes.

OPEN Opens a dialog box and displays the names of any curves stored on the active disk drive. By clicking on a name in the dialog box and then clicking OK, the curve will be loaded into the active Preset.

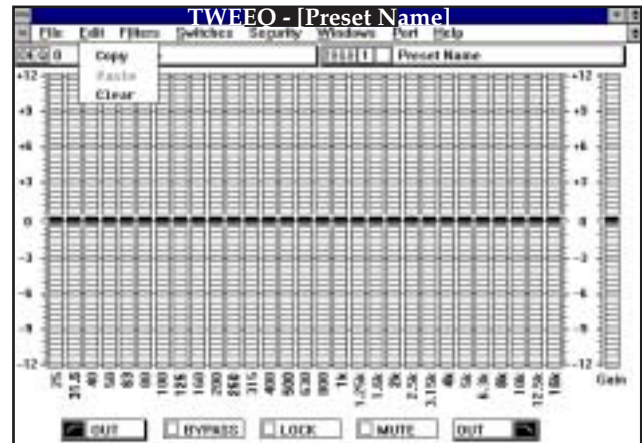
SAVE Saves the active Preset to the disk drive.

SAVE AS Saves the current Preset to disk after allowing the user to change the file name and to specify which disk drive to use.

SAVE ALL... Saves all eight Presets to the disk drive in sequence.

PRINT Prints the active Preset. The window must be in full screen maximized mode.

CLOSE Closes the current TWEEQ screen and returns to the main menu if no other TWEEQ screens are open.

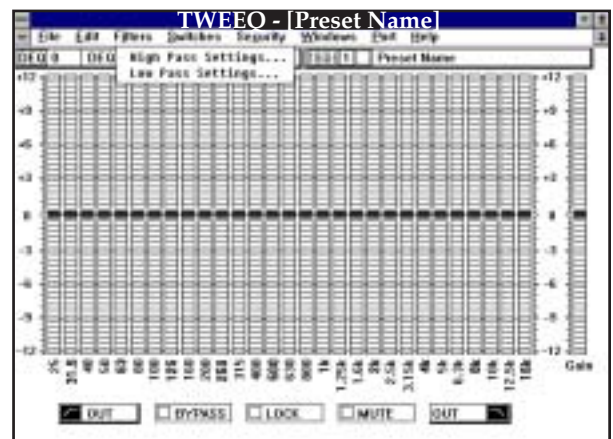


THE EDIT MENU

COPY Places a copy of the selected Preset into a buffer for subsequent pasting.

PASTE Puts a copy of the Preset located in the copy buffer into the active Preset. The information also remains in the copy buffer until you quit TWEEQ or something else is copied into the buffer.

CLEAR Sets the Filters and the gain of the active Preset to the default values (flat for the filters, 0 dB for the gain, Out for the High- and Low-Pass filters).

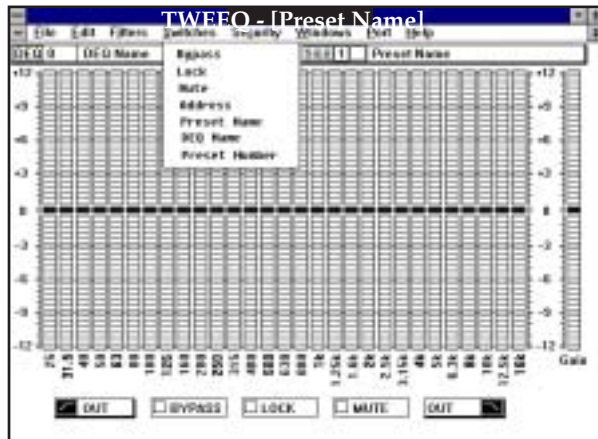


THE FILTERS MENU

HIGH-PASS SETTINGS Opens the High Pass filter dialog box and allows you to select the desired frequency.

LOW-PASS SETTINGS Opens the Low Pass filter dialog box and allows you to select the desired frequency.

TWEEQ MENUS (CONTINUED)



THE SWITCHES MENU

BYPASS BYPASSes and INSERTs the active DEQ.

LOCK..... LOCKs and UNLOCKs the active Preset.

MUTE MUTEs and UNMUTEs the active DEQ.

ADDRESS Opens the Address dialog box. You may change to another DEQ if you are connected.

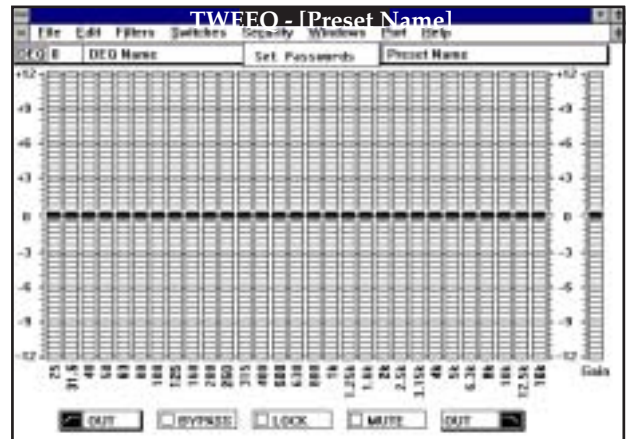
PRESET

TITLE Opens a dialog box that allows you to change the active Preset Title or select another Preset by Title.

DEQ NAME Opens a dialog box that allows you to change the Name of the active DEQ.

PRESET

NUMBER..... Allows you to select a Preset by number.



THE SECURITY MENU

SET

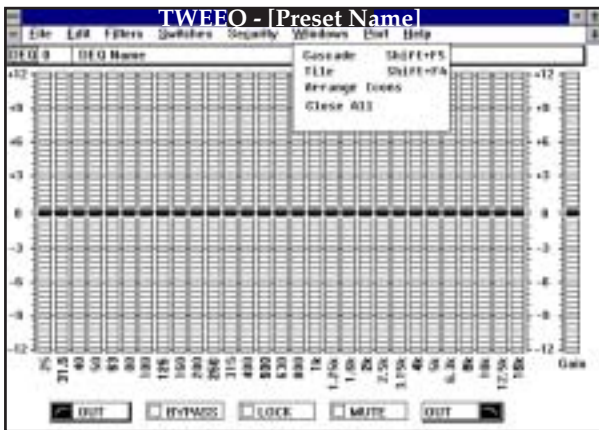
PASSWORDS... Allows the user to set a two-level Password Security. The password system consists of two passwords, referred to as the System level and User level passwords. The System Administrator who wishes to use passwords has the ability to prevent access to some or all of the equalizer's functions through this Password Security System. Refer to the DEQ-I and DEQ-II Installation & Operation Manual for a detailed description of this feature.

A user who logs on with the System password has access to all of the equalizer's functions.

Someone logged on with the User password has access to most, but not all, of the equalizer's functions. The User level user may not:

1. LOCK or UNLOCK Presets
2. Set or edit Passwords
3. Name an equalizer

TWEEQ MENUS (CONTINUED)



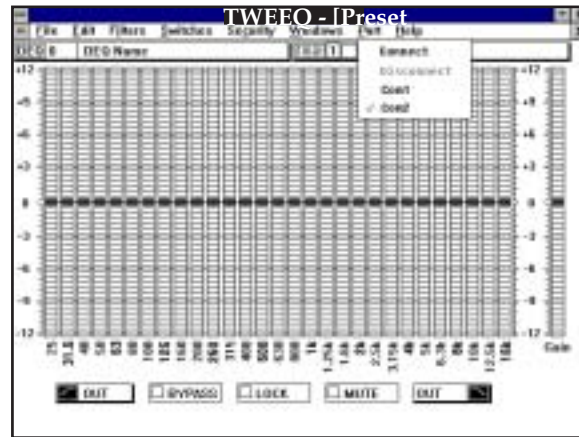
THE WINDOWS MENU

CASCADE .. Multiple windows on the screen are arranged diagonally across and down the screen. Each window has some part exposed so that you can click on it to bring it to the front.

TITLE Multiple windows on the screen are sized and arranged so you can see them all.

ARRANGE ICONS When running multiple TWEEQ screens you may "iconize" each of them by clicking on the minimize icon in the upper right-hand corner. The Preset names will appear below the icon. Arrange icons will align all icons with the bottom of the screen.

CLOSE ALL..... Closes all active TWEEQ screens, disconnects communication and returns to the main menu.



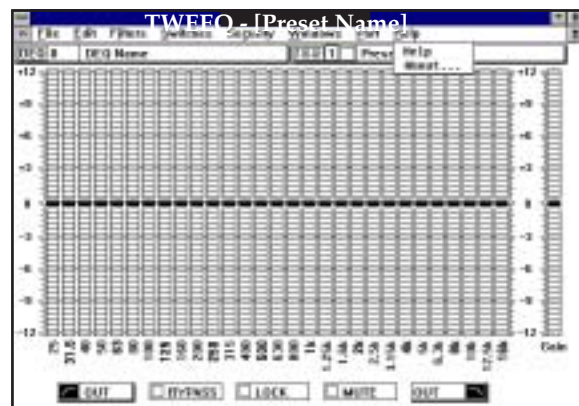
THE PORT MENU

CONNECT Initializes and opens and selected communications port for PA-422 communications and then connects to a DEQ.

DISCONNECT Closes communication with all DEQ's and resets communication port for normal RS-232 operation.

COM1 Selects COM1 as the communication port. A check mark designates the active port.

COM2..... Selects COM2 as the communication port. A check mark designates the active port.



THE HELP MENU

ABOUT HELP Describes the Help Screen item

HELP SCREEN Displays a picture illustrating how to access many of the TWEEQ software functions.

OXMOOR FACTORY SERVICE

For service information contact:

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Additional Installation & Operation Manuals are available from Oxmoor. Contact the Oxmoor Sales Department for pricing and other ordering information. Consult warranty statement for cautions concerning unauthorized service.

OXMOOR TWO YEAR LIMITED WARRANTY

Oxmoor warrants that each Oxmoor electronic product shall be free from defects in workmanship and materials and will, at its option, repair or replace any part of the product without charge provided the product is delivered to Oxmoor within two years of date of original purchase from or delivery by an authorized Oxmoor dealer. Excluded from this warranty are finish and appearance items and malfunction resulting from abuse, from use that is not in accordance with instructions, or operation under other than specified conditions. Also excluded are incidental or consequential damages except where precluded by applicable law. This warranty provides the customer with specific legal rights; there may also be other rights which vary from state to state.

Repair by other than Oxmoor Factory Service Department or its authorized service agency, unauthorized modification, or the removal or defacing of the serial number will void this warranty.

Products returned for factory warranty service must be prepaid and packaged in such a way as to insure safe transit and must be accompanied by a sales slip or other valid proof of purchase date.

PRIOR AUTHORIZATION FROM OXMOOR IS REQUIRED FOR RETURN. Contact Oxmoor for a Return Authorization (R.A.) Number and shipping information before returning product for service.



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For 24-hour access to product specs and information visit Oxmoor's complete product line on the internet at www.oxmoor.com.

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