

BR200 PROGRAMMING INSTRUCTIONS

MIDLAND ON-SITE BUSINESS RADIO PROGRAMMING INSTRUCTIONS

INTRODUCTION

The BR200 comes with 16 of the most common frequencies and privacy codes pre-programmed in the radio. You can use the FREE programming software to select from a list of 56 other Business Band frequencies and 142 Privacy codes as well as other settings to customize your radio. The available frequencies and codes are listed in your owner's manual.

You will need the BA1 Programming cable and programming software that are available on the Midland website at www.midlandusa.com.

TIP: If at any time during programming you are unsure of what value to use for a setting, use the default value. You can return the radio to all of its default values by using the "Default Setting" command under Settings.

QUICK LINKS

Minimum Operating System Requirements	1
nstalling the Programming Software	1
Program a BR200 Radio	. 3
Read a Programmed BR200 Radio	. 6
Program Using a Saved File	. 7
Reset a BR200 Radio to its Factory Default Settings	7
Troubleshooting, Tips and Tricks	. 8

MINIMUM OPERATING SYSTEM REQUIREMENTS

- 1. Operating System: Windows XP or higher. Note: The software will not run on Apple iOS.
- 2. Processor Speed: Pentium 4 or higher.
- 3. Available RAM: 256MB or higher.
- 4. Internal Storage Memory: 2MB.
- 5. USB Type A 2.0 port or higher.

INSTALLING THE PROGRAMMING SOFTWARE

NOTE: The following is using Microsoft Edge and the Winzip application to unzip the programming software. Illustrations may vary with other browsers or applications but the steps will be very similar. The most important step is to save the programming software to your desktop, or create a shortcut on your desktop so that you can return to it easily.

1. Download the FREE BR200 Programming Software and save it to a designated folder or on your desktop.

a. When asked, click "Save". It will then download the programming software as a .zip file to your downloads folder.

b. Click on "View Downloads"" or go to your downloads folder under documents

(recommended).





BIZTALK BR200 BUSINESS RADIO SOFTWARE DOWNLOAD



 Image: Compressed Folder Tools
 BR200_V3_02

 File
 Home
 Share
 View
 Extract

 Image: Compressed Folder Tools
 BR200_V3_02

 Image: Compressed Folder Tools
 BR200_V3_02



2. Open the zip file and extract the programming software.

b. It is recommended you right click on the installation program to create a shortcut or simply drag and drop the folder to your desktop to create the shortcut to the programming software.



Version number shown for illustrative purpose only, be sure to use the latest version from the Midland website."

3. The program is an "auto – run" installation and will automatically open/run upon double clicking the icon or the software program for installation.

PROGRAM A BR200 RADIO

- 1. Turn the BR200 radio off.
- 2. Connect the BR200 radio to your computer using the BA1 programming cable.
 - a. Open the rubber accessory cover on the side of the radio and plug the programming cable into the radio.



b. Connect the USB plug of the programming cable to a USB port on your computer.

Connect to a USB port on your computer 

3. Turn the radio on.

- a. The red transmit LED will briefly turn on, then off, to confirm the connection.
- 4. Double click on the shortcut to open the BR200 Programming software.



BR200	Programming Softwar	e v.3.0.1		
ile(<u>F</u>)	Edit(E) Program(P)			
	🤊 🖺 🚜 🔤 🕇	🕸 🏐		
CH.	RX Frequency	TX Frequency	RX Privacy	TX Privacy
1	464.55000	464.55000	67.0	67.0
2	467.92500	467.92500	67.0	67.0
3	467.85000	467.85000	67.0	67.0
4	467.87500	467.87500	67.0	67.0
5	464.55000	464.55000	82.5	82.5
6	467.92500	467.92500	82.5	82.5
7	467.85000	467.85000	82.5	82.5
8	467.87500	467.87500	82.5	82.5
9	464.55000	464.55000	179.9	179.9
10	467.92500	467.92500	179.9	179.9
11	467.85000	467.85000	179.9	179.9
12	467.87500	467.87500	179.9	179.9

TIP: The window will automatically populate with the factory default values. You may either leave them and change only the values you need to, or click the "New" icon to clear all the frequency and privacy code settings and program only the channels you need to. The Advanced settings will remain at their default values.

5. Check the COM (Communication) Port setting.

- a. Click on "Edit"
- b. Click on "COM Port"
- c. Confirm a COM Port has been automatically selected to communicate with the radio and click "OK" to close the window.

BR200	0 Programming Softwar			X	6 8						
File	Edit(E) Program(P)				File	le(<u>F</u>) E	dit(<u>E)</u> Program(<u>P</u>)				
	Advanced(O)						🗎 🚜 🔤	🔅 🧔			
CH.	COM Port(C)	TX Frequency	RX Privacy	TX Privacy	C	CH.	RX Frequency	TX Frequency	RX Privacy	T	X Privacy
1	Default Setting	464.55000	67.0	67.0		1	464.55000	464.55000	67.0		67.0
2	467,92500	467 92500	67.0	67.0		2	467.92500	467.92500	67.0		67.0
3	467.85000	467.85000	67.0	67.0		3	467.85000	467.85000	67.0		67.0
4	407.00000	467.03000	67.0	67.0		4	467.87500	467.87500	67.0		67.0
4	467.67300	467.07300	67.0	67.0		5	464.55000	464.55000	82.5		82.5
5	464.55000	464.55000	82.5	82.5		6	467.92500	Port Setup		×	82.5
6	467.92500	467.92500	82.5	82.5		7	467.85000				82.5
7	467.85000	467.85000	82.5	82.5		8	467.87500	Port Setup	СОМЗ -		82.5
8	467.87500	467.87500	82.5	82.5		9	464 55000	-		- F	179.9
9	464.55000	464.55000	179.9	179.9		10	467 92500	OK	Cancel		179.9
10	467.92500	467.92500	179.9	179.9		11	467 85000	_			179.9
11	467.85000	467.85000	179.9	179.9		12	467.87500	467.87500	179.9		179.9

TIP: Most often, your computer will automatically recognize the radio on COM 3. If the data does not successfully transfer using COM3 in Step 9, try a different COM port assignment from the program.

6. Using the drop down menus on the Channel Screen,

select your desired values for;

a. RX Frequency: The TX Frequency will automatically change to match your RX selection.

b. RX Privacy Code: The TX Privacy code will automatically change to match your RX selection.

c. Repeat steps a & b for each channel you want programmed. You do not need to program all 16 channels, selecting "None" in the RX column for unused channels.

		BR200	Programming Sof	ftware	e v.3.0.1		>		
		File(<u>F</u>) Edit(<u>E</u>) Program(<u>P</u>)							
) 🖹 🚜 🛉	þ 🖥	🔹 🎲				
		CH.	RX Frequency		TX Frequency	RX Privacy	TX Privacy		
Drop down	ľ	1	464.55000	-	464.55000	67.0	67.0		
Monu		>>	464.55000	-	467.92500	67.0	67.0		
Menu	1	3 4	467.81250		467.85000	67.0	67.0		
	-	4	467.85000		467.87500	67.0	67.0		
		5	467.90000		464.55000	82.5	82.5		
	ľ	6	461.03750	•	467.92500	82.5	82.5		
	-	7	467.85000		467.85000	82.5	82.5		
		8	467.87500		467.87500	82.5	82.5		
		9	464.55000		464.55000	179.9	179.9		
		10	467.92500		467.92500	179.9	179.9		
	ľ	11	467.85000		467.85000	179.9	179.9		
	-	12	467.87500		467.87500	179.9	179.9		
		13	464.55000		464.55000	None	None		

7. Click on the Gear icon to program the "Advanced" settings of the radio

	BR20					_ D ×
Advance	File(F)	Edit(E) Progra	am(P)			
Sottings Icon		> 🖪 🚭		🔅 🏟		
Settings iton	CH.	RX Freque	ncy	TX Frequency	RX Privacy	TX Privacy
	1	464.55000	-	464.55000	67.0	67.0
	2	467.	Advanc	ed Settings	X	67.0
	3	467.	⊂Basic S	Setup		67.0
	4	467.	Time (0 🗸	67.0
	5	464.	1 1110 0	sacrimentro riteri	-	82.5
Drop down	6	467.		Squelch Level 4	•	82.5
Monu	 7	467.	Voi	ce Annunciation Er	glish 👻	82.5
Meriu	8	467.	Ba	ittery Save Mode		82.5
	9	464.				179.9
	10	467.		Devel	OK	179.9
	11	467.		heset	UK	179.9
	12	467.0100		401.01000	110.0	179.9
	13	464.5500	00	464.55000	None	None
	14	467.9250	00	467.92500	None	None
	15	467.8500	00	467.85000	None	None
	16	467.8750	00	467.87500	None	None
	COM3	Frequency [40	0-480MH	lz] 9/20/2019 9:39	:59 AM	

a. Use the drop-down menu for each setting and select the value that will give you the desired performance. If you are not sure what value to use, use the default value.

Advance Settings	Default Value (Recommended)	Settings Range	Comments
Time Out Timer (TOT)	120	Off - 300	Lower values help prevent the radio from overheating and reduces channel congestion. "Off" is not recommended.
Squelch Level	4	0 - 9	Lower values increases sensitivity to background noise.
Voice Annunciation	English	English or Spanish	Select the language you desire.
Power Save	Off (Unchecked)	On / Off	"On" will increase battery life, but may cause a small delay in voice response when transmitting as the radio "wakes up".

8. Proof read and save your program.

- a. Use the "Save" command under "File".
- b. Give your program a name and save it in a memorable location.
- c. Click "Save."
- 9. Write the program to the radio.



BR200 I	Programming Software			_
 File(F) E	dit(<u>E)</u> Program(<u>P</u>)			
New(N) Ctrl+N			
Savel		TX Frequency	RX Privacy	TX Privacy
Print(P)	464.55000	67.0	67.0
Print	Preview(V) Ctrl+P	467.92500	67.0	67.0
Exit(X) Ctrl+X	467.85000	67.0	67.0
4	467.87500	467.87500	67.0	67.0
5	464.55000	464.55000	82.5	82.5
6	467.92500	467.92500	82.5	82.5
7	467.85000	467.85000	82.5	82.5
8	467.87500	467.87500	82.5	82.5
9	464.55000	464.55000	179.9	179.9
10	467 92500	467 92500	179.9	179.9

- a. Click on the green "W" icon.
- b. The programming data will automatically be sent to the radio.
- c. Click "OK" to confirm and complete the programming.



0 6	🔁 🛄 🏊 🔤 🖾			
CH.	RX Frequency	TX Frequency	RX Privacy	TX Privacy
1	464.55000	464.55000	67.0	67.0
2	467.92500	467.92500	67.0	67.0
3	467.85000	467.85000	67.0	67.0
4	467.87500	467.87500	67.0	67.0
5	464.55000	464.55000	82.5	82.5
6	467.92500	467.92500	82.5	82.5
7	467.85000	467.85000	82.5	82.5
8	467.87500	467.87500	82.5	82.5
9	464.55000	464.55000	179.9	179.9
10	467.92500	467.92500	179.9	179.9
11	467.85000	467.85000	179.9	179.9
12	467.87500	467.87500	179.9	179.9
13	464.55000	464.55000	None	None
14	467.92500	467.92500	None	None
15	467.85000	467.85000	None	None
16	467.87500	467.87500	None	None
COM1	Frequency [400-480MHz]	9/20/2019 9:15:	55 AM	

	> 💾 🚜 🗛	📫 🏠		
CH.	RX Frequency	TX Frequency	RX Privacy	TX Privac
1	467.76250	467.76250	67.0	67.0
2	467.92500	467.92500	67.0	67.0
3	467.85000	467.85000	67.0	67.0
4	467.87500	467.87500	67.0	67.0
5	46 🛔 Write to			82.5
6	46 Writing to ra	dio please waiting		82.5
7	46			82.5
8	▶ 46			82.5
9	46			179.9
10	467.92500	467.92500	179.9	179.9
11	467.85000	467.85000	179.9	179.9
12	467.87500	467.87500	179.9	179.9
13	464.55000	464.55000	None	None
14	467.92500	467.92500	None	None
15	467.85000	467.85000	None	None
16	467.87500	467.87500	None	None



- 10. Turn the radio off and disconnect the programming cable.
- 11. Turn the radio on, and test it with other radios to make sure it is working correctly.
- 12. Write the program to other BR200 radios, or save and close the program.

TIP: If the radio does not successfully program, go the the Trouble Shooting section of the instructions.

READ A PROGRAMMED BR200

Read a programmed BR200 so you can:

• Use the same programming values for other BR200 radios.

RX P

67.0

67.0

67.0

82.5

82.5

82.5

82.5

179.9

179.9

179.9

179.9

None

None

None

- Save the programming file for later use.
- · Check the settings to make sure they are correct and match other radios.
- 1. Follow steps 1 through 5 above to connect the radio to the computer and open the software.
- 2. Click on the red "R" icon.
- 3. The programming data will automatically be read from the radio and populate the window.
- 4. Click "OK" to confirm and complete the process.

464.550

467.9250

467.8

464 55000

467.92500

467.85000

467.87500

464.55000

467.92500

467 85000

467 87500

14

15

OM1

5. The radio will return to its normal state when complete.

464.5500

467.92500

467 85000

467.87500

464.55000

467.92500

467.85000

467 87500

464 55000

467.92500

467.85000

467.87500

464.55000

467 85000

467.87500

uency [400-480MHz] 9/20/2019 9:15:55 AM



	File(F)	Edit(E) Program(P)		
		7 💾 🚜 🔩		
X Privacy	CH.	RX Frequency	TX Frequency	RX Privacy
67.0	1	467.76250	467.76250	67.0
67.0	2	467.92500	467.92500	67.0
67.0	3	467.85000	467.85000	67.0
67.0	4	467.87500	467.87500	67.0
82.5	5	46 👩 Read from	Radio	
82.5	6	46 Beading from t	adio please waiting	
82.5	7	46	sale in product in and ig	
82.5	-	▶ 46		
179.9	9	46		
	10	467.92500	467.92500	179.9
179.9		467 95000	467.85000	179.9
179.9 179.9	11	407.03000		
179.9 179.9 179.9	11	467.87500	467.87500	179.9
179.9 179.9 179.9 None	11 12 13	467.87500 464.55000	467.87500 464.55000	179.9 None
179.9 179.9 179.9 None None	11 12 13 14	467.87500 464.55000 467.92500	467.87500 464.55000 467.92500	179.9 None None
179.9 179.9 179.9 None None None	11 12 13 14 15	467.87500 464.55000 467.92500 467.85000	467.87500 464.55000 467.92500 467.85000	179.9 None None None
179.9 179.9 179.9 None None None None	11 12 13 14 15 16	467.87500 464.55000 467.92500 467.85000 467.85000	467.87500 464.55000 467.92500 467.85000 467.87500	179.9 None None None None

TX Privacy

67.0

67.0

67.0

67.0

82.5

82.5 82.5

82.5

179.9 179.9

179.9

179.9 None

None

None

None



- 6. The programming data will be displayed on their respective program window.
- 7. Turn off the radio and disconnect the programming cable.
- 8. With the programming software still open, connect another BR200 radio follow step 9 above to write the same data to additional radios.
- 9. Or, save your file for later use and close the program.

PROGRAM USING A SAVED FILE

- 1. Follow steps 1 through 5 above to connect the radio to the computer and open the software.
- 2. Use the "Open Folder" icon to locate and open your file.

	BR200	Programming Softwa			_		Open			
	File(E)	Edit(<u>E)</u> Program(<u>P</u>)					Look in:	Desktop	▼ 🗢 🖹 ▼	
Open Folder –	🕞 🖻	🤊 🖺 🚜 🔤	🕸 🏟				-			^
	CH.	RX Frequency	TX Frequency	RX Privacy	TX Privacy			br200 sample	—	
	1	464.55000	464.55000	67.0	67.0	\rightarrow	Quick access	WH File		
	2	467.92500	467.92500	67.0	67.0					
	3	467.85000	467.85000	67.0	67.0		Desktop			
	4	467.87500	467.87500	67.0	67.0					
	5	464.55000	464.55000	82.5	82.5		Libraries			
	6	467.92500	467.92500	82.5	82.5					
	7	467.85000	467.85000	82.5	82.5					
	8	467.87500	467.87500	82.5	82.5		This PC			
	9	464.55000	464.55000	179.9	179.9		🔰 🔰			
	10	467.92500	467.92500	179.9	179.9		Network			
	11	467.85000	467.85000	179.9	179.9					

- 3. The file will automatically populate all settings with the data saved in your file
- 4. Click on the green "W" icon as described in step 9 above to program the radio.
- 5. Disconnect the radio and test it with other radios to make sure it is operating correctly.

RESET A RADIO TO ITS FACTORY DEFAULT SETTINGS

- 1. Follow steps 1 through 5 above to connect the radio to the computer and open the software.
- 2. Set all programming settings to their default values.
 - a. Click on "Edit".
 - b. Click on "Default Settings". This will automatically populate all settings with the default value.

	BR200	Programming Softwar	re v.3.0.1	2	×	BR200	Programming Software	e v.3.0.2	1	X
	File(E)	Edit(E) Program(P)				File(F)	Edit(<u>E)</u> Program(<u>P</u>)			
Edit —		7 🖺 🚜 🗛	📫 🔅				Advanced(O)			
	CH.	RX Frequency	TX Frequency	RX Privacy	TX Privacy	CH.	COM Port(C)	TX Frequency	RX Privacy	TX Privacy
	1	464.55000	464.55000	67.0	67.0	 1	Default Setting	467.76250	67.0	67.0
	2	467.92500	467.92500	67.0	67.0	2	467.92500	467.92500	67.0	67.0
	3	467.85000	467.85000	67.0	67.0	3	467.85000	467.85000	67.0	67.0
	4	467.87500	467.87500	67.0	67.0	4	467.87500	467.87500	67.0	67.0
	5	464.55000	464.55000	82.5	82.5	5	464.55000	464.55000	82.5	82.5
	6	467.92500	467.92500	82.5	82.5	6	467.92500	467.92500	82.5	82.5
	7	467.85000	467.85000	82.5	82.5	7	467.85000	467.85000	82.5	82.5
	8	467.87500	467.87500	82.5	82.5	8	467.87500	467.87500	82.5	82.5
	9	464.55000	464.55000	179.9	179.9	9	464.55000	464.55000	179.9	179.9
	10	467.92500	467.92500	179.9	179.9	10	467.92500	467.92500	179.9	179.9

- 3. Click on the green "W" icon as described in step 9 above to program the radio.
- 4. Disconnect the radio and test it with other radios to make sure it is operating correctly.

TROUBLESHOOTING, TIPS AND TRICKS

Most problems can be resolved by following these simple steps. However, if you need additional help, call our Customer Service team at 816-241-8500.

Symptom	Solution
The programming data will not transfer to the radio from the computer. I keep getting an error code when I click "start".	 Make sure the radio has a fully charged battery and is turned on. (Do not program a radio while in the charger.) Check your COM port. It should be using COM3, but your computer may be set up differently and you may need to try a different COM port. Install a USB to Serial Port conversion driver. The programming cable includes this driver and should automatically install on your computer the first time you use it. You can install a standard driver if necessary from: http://www.prolific.com.tw/US/ShowProduct.aspx?p_id=225&pcid=41
	 Make sure your programming cable is firmly plugged in to the radio and computer to ensure a good connection. Remove and re-insert if necessary.
The programming software will not install or run on my computer.	 Make sure your computer meets the minimum requirements. Software will not work on an Apple (Mac) computer. Use a Windows PC. Uninstall and re-install the program. Check with your IT administrator.
l am not sure what to use for a certain setting.	 Use the default value. (See above) TIP: Reset the radio to its default values as described above and change ONLY the settings necessary, leave all others as is.
l programmed the radio but it still doesn't work with my other radios.	 Use the "Read" function of the software to make sure the data you sent to the radio is correct. Check the settings on both radios making sure they are the same, especially the TX/RX frequency and Privacy Codes by channel. These must match for the radios to work together.



5900 Parretta Drive Kansas City, MO 64120 Call 816.241.8500

We'd love to hear from you! Let us know what you think of your new Midland product at



or by visiting us at midlandusa.com

Note: Features & Specifications are subject to change without notice. MIDLAND is not responsible for unintentional errors or omissions on its packaging.