MacrotelMT-512/824/1236/2464

Operation Manual



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Macrotel Page



Operation Manual

Standard Telephone
Executive Telephone
DSS Console

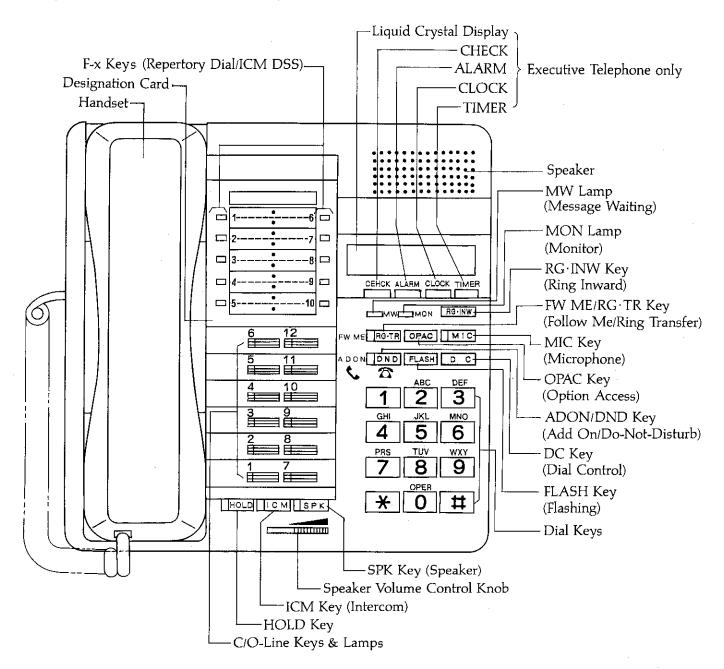
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This manual provides a detailed description of the operation of each function of a fully featured telephone set. It important that you identify the capabilities of your own telephone set prior to attempting operation of a specific function. The table on page 31 will assist you in determining those features available to you. Ask the customer service representative to complete this table if there is any question.

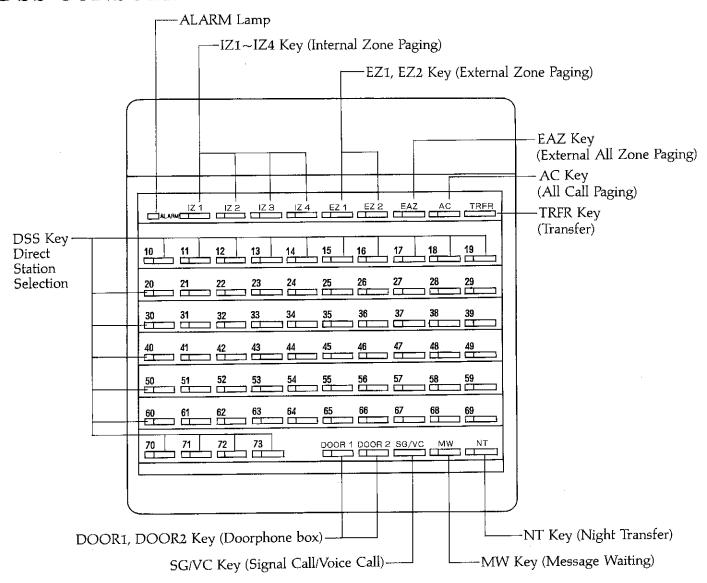
TELEPHONE

(12-LINE, FULL FEATURED PHONE ILLUSTRATED)



This telephone system has been designed with many subscriber needs in mind. As a result, there are far more features than most individuals would require in their daily routines. Experience has shown that the best manner of learning how to use the system is to first familiarize yourself with the basic telephone functions with which you have already been accustomed. The new features you have acquired can be learned as your time permits or as your needs dictate. Many of the features can save you time and ultimately increase productivity, not to mention, ease telephone operation for you.

DSS CONSOLE



The system program can be changed according to your needs. Reprogrammable functions are indicated with a \clubsuit in this booklet. Please consult with our local service representative.

C/O-LINE CALLS (OUTGOING)

Outgoing Call (Multi-Service)

Pressing the C/O keys allow a line call to be placed.



an idle C/O key



(C/O lamp: ON) (glows green)



dial tone (seizing the line)



phone number



conversation



The line is disconnected.

On-hook Dialing

Dialing out and monitoring of a C/O line are possible without removal of the nandset.



an idle key



(SPK lamp: ON) SPK (C/O lamp: ON) (glows green)



dial tone (seizing the line)



phone number



(SPK lamp: OFF)



conversation



The line is disconnected.

Abbreviated Dialing

To save time dialing, the DC key and a 2-digit code (00-99) allow programming up to 100 telephone numbers that are 18 digits or less.

(To Dial; 00-99)

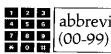
Seize a line.



dial tone



DC



abbreviated number

The dial signal is sent.

(To Store; 00-99)

A preassigned station stores all of the commonly used numbers (00-89), while each individual station stores numbers that are separately used (90-99).



SPK



DC



dial tone



dial 🛪

(tone: stopped)



abbreviated number 7 8 9 (00-99)



phone number to be stored

to continue storing

storing end



SPK



Repertory Dialing

The F-x keys give the convenience of one-touch dialing of up to 10 frequently called abbreviated dialing numbers already stored. (00-99)

(To Dial)

Seize a line.



an F-x key

The dial signal is sent.

(To Store)



SPK



DC



dial tone



dial * (tone: stopped)



an F-x key



abbreviated number to be stored (00—99)

to continue storing storing end



SPK

Idle C/O Line Preference &

To enter the on-hook dialing mode and to make available an idle C/O line simultaneously, push the "0" key.



dial 0



dial tone (seizing a line)



phone number



The dial signal is sent.

Single Access On-hook Dialing &

Press an idle C/O key to seize an idle C/O line and to enter the on-hook dialing mode.



an idle C/O key



dial tone (seizing a line)



phone number



The dial signal is sent.

Trunk Queuing

A station can wait in line if all C/O lines in the group are busy.

As soon as a group line becomes available a lamp flashes and a recall

available, a lamp flashes and a recall tone is generated to the station that placed the call in the queuing mode.



SPK



HOLD



dial tone



C/O line group No. (0-4) (tone: stopped)





SPK

★ If a signal tone is sent from the speaker, you cannot reserve C/O lines. indicating the walting queue is full.

Outward Restriction /Toll Restriction /Night Mode Restriction *

A C/O call cannot be placed from a restricted station. Restriction settings can be modified using system data.

C/O-LINE CALLS (INCOMING)

Answering Incoming C/O-Line Calls

The C/O line lamps at all stations flash when an incoming C/O called is received. An audible tone is heard from the speakers at predesignated stations.



(The C/O lamp: red flashes slowly)



(The C/O lamp:ON) (green)



conversation

Ring Transfer Incoming C/O-Line Call

It is easy to transfer a C/O line incoming signal to a preprogrammed station.

(To Program)





FW ME RG·TR



4 5 6 transferred Station No.



dial 🗶



Short beep tone (The RG TR lamp flashes slowly.)





SPK

- ★ The RG·TR lamp at the transferred station flashes quickly.
- ★ If a long beep tone is sent from the speaker, re-program.

(To clear)





FW ME RG.TR twice



SPK

★ The RG-TR lamps at both your and the transferred stations will go off.

Single Operation To Seize Incoming C/O-Line Calls *

For preassigned stations, incoming C/O line calls can be received without pressing the C/O line key. Simply lift the handset.



(C/O lamp: slowly) (red)



(The C/O lamp:ON) (green)

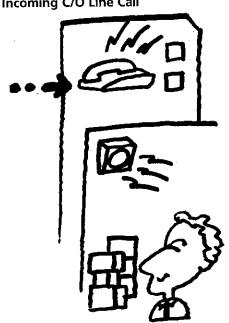


conversation

Incoming Signal Tone To External Speaker &

All incoming signal tones can be sent to predesignated external paging speakers (possible on a per C/O line basis).

Incoming C/O Line Call



Night Transfer 🛧

If a DSS console is installed, use it to make the night transfer settings. A preassigned station can change incoming signaling assignments from the day mode to the night mode and vice versa.

(To set the Night-time mode)



SPK



FW ME RG TR



dial ♯



SPK

★ Every RG·TR lamp is lit steadily.

(To set the day-time mode)



SPK



FW ME RG·TR twice



SPK

★ The RG·TR lamp will go off.

Direct Dial-in (option)

An outside caller can call an internal station directly without transfer through the use of a touch-tone telephone (DTMF). A C/O lines must be dedicated to this function and the caller must be familiar with intercom numbers.

(Outside caller)



Dial the subscribed line number.



the second dial tone (Your system answers.)



Dial the station number.



music-on-hold melody



conversation

★ The called station rings, and the C/Olamp flashes like 🛮 🗷 📗 Press the C/O-key and lift the handset to answer the call.

Flexible C/O-Line Incoming Signaling Assignment *

Stations that are preassigned per C/O line can receive incoming signal tones.

C/O-LINE CALLS (HOLD & TRANSFERRING)

C/O-Line Hold

Press the HOLD key to place a C/O line call on hold.



on the C/O line



HOLD



The held line key



re-answer

★ The line is held and the lamp begins flashing rapidly.

(Music-On-Hold)

An electronic tune is played for the party on hold.

(I-Hold Indication)

The lamp's rapid flashing indicates that a C/O line is being held.

C/O Line Transfer

(Automatic Hold)

Press the ICM key to transfer a C/O line call and automatically hold the call without pressing the HOLD key.

(The transferring station)



on the C/O-line



ICM



The C/O line is held automatically.

An Intercom call

(The transferring station)



answering the Intercom call



on the ICM line



the held line key



C/O line conversation with the outside party

Automatic Transfer After ICM Call

Connecting the transferred party to an outside party is possible without depressing the corresponding C/O line keys.

(The transferring station)



on the C/O-line



ICM



The C/O line is held automatically.

An Intercom call



Answering by the transferred station



RG·INW

(The transferred station)



answering the Intercom call



on the ICM line



C/O line conversation with the outside party



Ring Inward *

During the transfer of a C/O line call, a call tone can be sent to the transferred station (until the held line is picked up by the transferred party) by depressing the RG-INW key.

(The transferring station)



on the C/O-line



ICM



The C/O line is held automatically.

An Intercom call



Note: If the selected station does not answer within the spacified time, the call switches to regular hold and a recall tone is sent to the tranferring station.

Exclusive Hold *

Re-answering the line is possible only at an exclusive hold station.



on the C/O-line



HOLD twice



the held line key



re-answer

- ★ The lamp of an exclusive held line is;
 - Exclusive hold station

00



Other stations

External Music Source

for MOH (option)

A radio or cassette recorder can be used for music-on-hold instead of the built-in electronic melodies if desired.

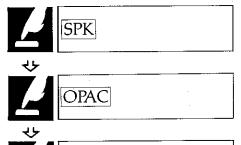
Recall Tone for Holding 🕭

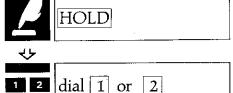
This tone can be sent to the holding station at programmed times.

Change the Music of MOH &

These selections can be chosen by a preassigned station for the music-on-hold melody.

- 1: Home on the Range
- 2: Greensleeves



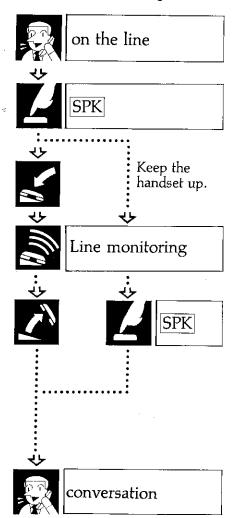




C/O-LINE CALLS (CONVERSATION)

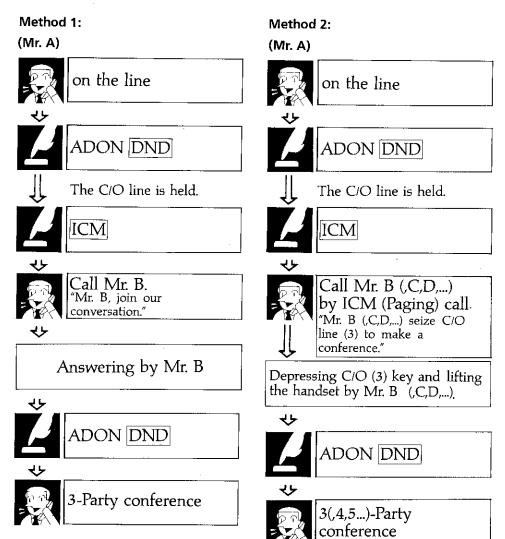
Line Monitoring

The calling party can be heard through the built-in speaker when the SPK key is pressed when a C/O line (ICM line) is seized. Here, your voice is not sent to the party who is calling.



Multi-Station Conference/Privacy Release 🛧

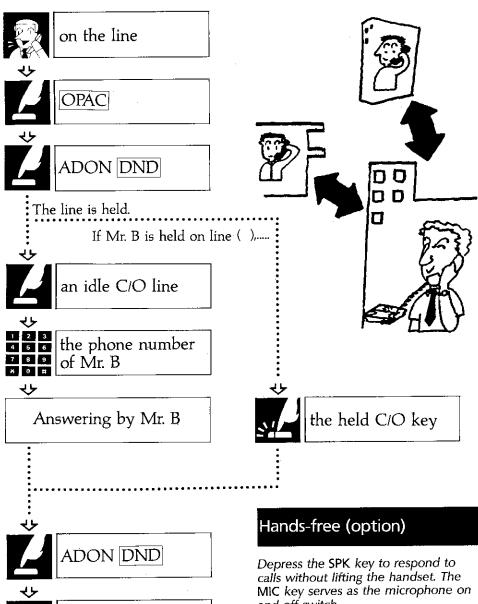
For multi-conference calls: Up to 6 stations can join a C/O call. Depending on the system data that is programmed, these calls can be processed by these methods:



Multi-C/O-Line Conference &

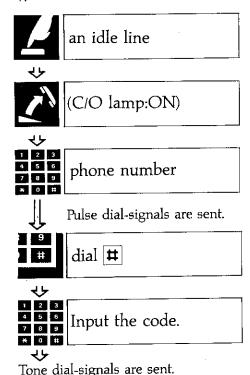
3-Party conference

To permit a 3-party conference call, two C/O lines are seized.



Change the Dial-Pulse Signal to a DTMF Signal

Press the number symbol "#" after dialing to give a tone (DTMF) signal. The procedure is the same for pulse type subscriber lines.



Note: You can access various telephoneservices by DTMF signals.

Three-Minute Tone *

After a C/O line is seized, an electronic tone is heard from the built-in speaker at 3-minute intervals.

Recording (option)

A tape recorder can be used to record conversations at the telephone set through proper connections.

and off switch.

OFF status: The lamp is ON. (one-way monitoring)

ON status: The lamp is OFF.

(two-way conversation)

C/O-LINE CALLS (OTHER FACILITIES)

Tenant Service 🚸

It is possible to divide C/O lines and stations into groups. Each station group can access only the assigned group of C/O lines. Incoming C/O lines can be transferred to any station in an assigned group.

Behind PABX Operation

Inserting an Automatic Pause

It is possible to include a 3-second pause when programming abbreviated numbers and repertory numbers. Press the FLASH key to insert the pause during telephone-number programming. Multiple place pauses can be programmed, but each pause will be included in the maximum number of digits allowed for programmable numbers.

Combining C/O and PABX lines

C/O and PABX lines can be used in the system simultaneously if desired.

Private Line 🚸

A station can be assigned exclusively if desired. Exclusive use of a C/O line if desired.

Loop-Disconnect & DTMF-Type Line Combination

It is possible to install pulse-type loopdisconnect lines and tone-type DTMF C/O lines in combination.

10 PPS & 20 PPS Dialing Combination

It is possible to program 10 pps and 20 pps lines in the same system.

TIE Line (option)

As an option, TIE line can be installed in place of C/O lines.

2-color Indication of C/O Lamps

The telephone features color coded lamps for call indication:

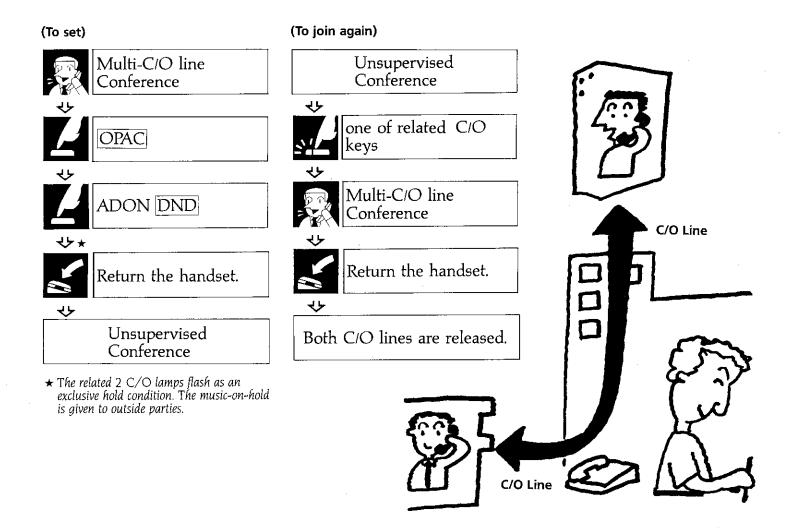
Green	Red
* I-use * I-hold * transferred line	* other-use * other-hold

Flashing

For C/O lines and PABX Lines, two different flashing rates can be programmed.

Unsupervised Conference *

This function is of the same category as a multi-line conference. It enables two outside parties to hold a conversation via the voice path of the system.



C/O & INTERCOM-LINE CALLS (COMMON FACILITIES)

On-hook Dialing

This facility permits dialing out and monitoring C/O lines (ICM) without lifting the handset.



an idle C/O or the ICM key



SPK

(SPK & the line lamp: ON)



the dial tone



phone number



one-way monitoring



(SPK lamp: OFF)



conversation

Line Monitoring

The other party's voice is heard through the built-in speaker when the SPK key is depressed while a C/O line (ICM line) is seized.



on the line

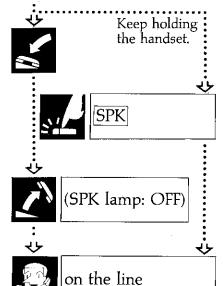


SPK

(SPK lamp: ON)



one-way monitoring



Handsfree (option)

Depress the SPK key to respond to a call without lifting the handset. The MIC key is used to switch the microphone on and off.

OFF status: The lamp is on.

(one-way monitoring)

ON status: The lamp is off.

(two-way conversation)

Last Number Re-dialing

The previously dialed number (last number) can be re-dialed by pressing two keys.

Seize an idle line



DC



* dial *



The dial signal is sent.

Saved Last Number Re-dialing (for the C/O line only)

The number that you have just dialed can be saved for use at any time. It will remain in the saved or stored condition until a'new number is entered.

Call Forwarding *

Selected stations can be programmed so that all incoming calls normally directed to that station will be forwarded to another station at the touch of a button. (Up to 8 stations can be so arranged at the same time.)

Off-hook Signalling 🚸

A soft calling tone can be sent to the called station through the built-in speaker when the called station is busy (handset off-hook).

(To store)

on the C/O line



dialing



OPAC



DC



Hang up the call.

(Forwarding station)



on-hook condition



ADON DND



ADON DND



The DND condition is cleared.

- * All incoming call signals (voice) for the manager are transferred to the secretary's station.
- ★ DND lamps are:
 - manager's station: ON
- secretary's station: slow flash

Note: If the manager's station is permitted every Do-Not-Disturb facility by the sustem program depress the DND key twice.

Privacy

This feature prevents conversations from being monitored. No station can break in unless the caller is accepted by the original station as a participant in a multi-conference call.

Incoming-Call Tone Change *

It is possible to adjust the incoming call signal tone to a different level on an individual station basis.

Loud Incoming Signal Tone/Voice (option)

The audiolevel for incoming calls (tone/ voice) can be increased to a high level through the use of an auxilliary amplifier at the desired station.

(To dial)

Seize an idle C/O line.





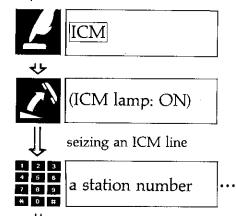
dial #

The dial signal is sent.

INTERCOM LINE CALLS (OUTGOING)

Intercom No. Call

It is possible to use up to 6 (or more) intercom paths at the same time. (512 system: 2 intercom paths) The system automatically chooses and seizes an idle path when the ICM key is pressed.





Your voice is heard from the called station. (Voice-call)

> The intercom calling tone is ··· heard from the called station (signal-call)

Changing The Voice-Call Mode & Signal-Call Mode

For intercom calls, the called party can be alerted by either voice or a signal tone. System data determines which is sent first. The caller can saift the normal mode by dialing a "1" after the intercom No.

DSS Call (10 F-x keys)

The F-x keys allow up to 10 frequently used stations to be called by pressing only one key. The station numbers are stored on the F-x keys at each station.

(To Call)

Seize an ICM line.



an F-x key

The stored station is called.

(To Store)



SPK lamp: ON)







dial #



an F-x key to be stored



a station number to be stored

to continue storing

storing end



SPK lamp: OFF)

Intercom Camp-On

You can wait for the intercom call to be automatically re-established by just holding the handset in cases where the called station is busy. Press the "x" key as illustrated.

Calling a station



the busy tone



dial |



Keep holding the handset.

The called station becomes idle.



the ring-back tone

The intercom signal calling tone is sent from the called station.

Pilot Number Call *

Stations can be grouped for access under one number. The maximum numbe of groups is 10. Each group has a pilot number (0 to 9). If you dial "#" and the pilot number, an idle station in the group is called.

Intercom Call-Back

To wait in the intercom Camp-On mode without holding the handset, press the "x" key twice.

Calling a station



the busy tone



* dial * twice



the confirmation tone



Return the handset.



The called station becomes idle.



the call-back tone



Lift the handset.



the ring-back tone

The intercom signal calling tone is sent from the called station.

★ To cancel this mode before call-back is made, lift the handset, dial \times , 1, and return the handset.

Message Waiting

A flashing MW lamp, indicates that a message is waiting for you. The illustration gives the procedure for calling back.

(To set a message-waiting mode)

"A" station

Calling the "B" station



no answer (or busy)



dial 0



Return the handset.

★ Each MW lamp is o at "A" station: flicker o at "B" station: flashes quickly

(To call back)

"B" station



Lift the handset.



ICM



dial \star



the ring-back tone



The "A" station is called. Both of MW lamps become dark.

(To clear the mode)

"A" station



SPK (SPK lamp: ON)



dial 0



SPK (SPK lamp: OFF)

Step Call

If there is no answer at the called station or the station is busy, you can call the station of the next number by pressing the "#" key.

Seize an ICM line



a station number (e.g. 16)



the busy tone (or no answer)



dial #

The station of the next number is called. (e.g. number 17)



INTERCOM LINE CALLS (INCOMING)

Answering Incoming Calls

- Single Operation Answering An incoming call by be answered by lifting the handset.
- Handsfree Talk Back An intercom voice call be answered without any keying operations.

Microphone Cut Off

The MIC key has a microphone on and off switch.

OFF status: The lamp is ON. ON status: The lamp is OFF.

Alternate Point Answering

An incoming call can be answered from any station.

(To answer from the same paging group as the called station)

A station is called.



Lift the handset.



dial #



conversation

You can answer the incoming call in place of the called person.

(To answer from a paging group different from that of the called station)

A station is called.



Lift the handset.



the called station number



conversation

You can answer the incoming call in place of the called person.

Follow Me

Your station can be set to having intercom calls automatically transferred to another station.

(To set)



on-hook condition



FW ME RG TR



the originating station number



to be transferred station number



FW ME RG TR



the confirmation

Note: Each RG-TR lamp is o at originating station: flicker o at transferred station: flash

(To clear)



on-hook condition



FW ME RG.TR



the originating station number



 $RG \cdot TR$ FW ME

Both of RG·TR lamps become OFF.

DND (Do-Not-Disturb) 🛧

Signal tones of C/O line and intercom line calls can be erased by a preprogrammed station as follows:



on-hook condition



DND



Block C/O line signal tone



DND



Block Intercom-line calls also



DND



DND mode is cleared.

Note: Each station can be preprogrammed in 4 classes of DND.

- o no DND
- only C/O-line incoming signal tone
- o all incoming calls
- User choise of the 3 conditions above

INTERCOM LINE CALLS (OTHER FACILITIES)

Multi-Station Conference / Privacy Release *

For conferences, up to 6 stations can be connceted together.

(Mr. "A")



conversation with



ADON DND



the dial tone



the station number 7 8 9 of Mr. "C" (or the F-x key)

answer by Mr. "C"



ADON DND



3-station conference



ADON DND

Call Mr. "D".

Hold the Intercom Line

An intercom conversation or call can be put on hold.



conversation



HOLD

The call is held.



ICM



re-answer

★ The ICM lamp is flickering. Music-On-Hold is sent to the held station. Note: While an intercom line is on hold, the holding station cannot perform another operation.

BGM (Background Music) (option)

If a radio, tape deck or other music source is connected to the main equipment, background music can be heard at every station. When the handset is in position, the "#" key provides on and off switching of the

Room Monitoring *

One station can monitor another's room sounds.

(To set the monitored station)



SPK



OPAC



FLASH



★ The MON lamp flashes quickly. Note: To clear the mode, use the same procedure.

(To monitor)



OPAC



FLASH



the room sounds

★ The MON lamp is flickering. Note: To clear the mode, use the same procedure.

Transfer the Intercom Call

Follow this Multi-station conference procedure to transfer an intercom call:

(Mr. "A")



conversation with Mr. "B"



ADON DND



the dial tone



the station number 7 8 9 of Mr. "C" (or the F-x key)

answer by Mr. "C"



ADON DND





3-station conference



Return the handset.

conversation with Mr. "B" and "C"

Transfer the Held Intercom Line

Follow this Hold-the-intercom line procedure to transfer intercom calls on hold:

(Mr. "A")



conversation with Mr. "B"



HOLD



The call is held.

(Mr. "C")



Lift the handset.



the station number of Mr. "A"



conversation with Mr. "B" and "C"

Note: Mr. A must verbally inform Mr. C of dialina Mr. A's number.

Flexible Extension Numbering +

The station numbers can be preassigned as 2-digit or 3-digit numbers.

two digit numbers: 10 to 79 three digit numbers: 100 to 399 The same station number cannot be assigned to 2 different stations.

Doorphone Box (option)

Up to 2 doorphone boxes can be connected to the system.

(To answer a visitor's call)



the chime tone



Lift the handset.



conversation

★ If your station is not a preassigned station (no chime tone), press dial 9.

	Signal Tone			
From doorphone No. 1	ſ	J	ſ	J
From doorphone No. 2	D	J	ا	

(To Call the Doorphone Box)



ICM|



Lift the handset.



88 or 89





Doorphone No. 1: ICM 88 Doorphone No. 2: ICM 89

PAGING

Stations can be divided into up to 4 different groups.

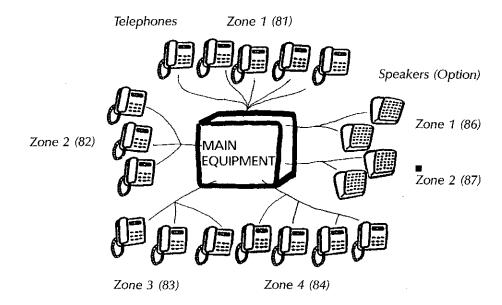
(e.g.: classified by room or department) External speakers can be divided into 2 different

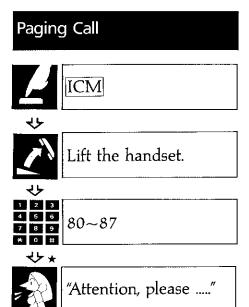
groups. (option)

(e.g.: outside, storehouse)

Mode Name	Zone	Telephones				Speakers	
Wiode Name	Paging No.	1	2	3	4	1	2∎
All Paging	80	0	0	0	0	0	0
Internal Zone 1	81	0		_		_	_
Internal Zone 2	82	_	0	_	_	_	
Internal Zone 3	83	_	_	0	_	–	_
Internal Zone 4	84	_		_	0		_
External All	85			-	_	0	0
External Zone 1	86	_		_		0	_
External Zone 2	87	-	_	<u>.</u>	_	_	0

■Note: The External Zone 2 is not available in a 512 system.





★ A double splash tone can be made to appear with the system program.

Meet-Me Answer Paging (dial

Any station within the paged zone, can answer the paging station.

(To receive an answer)



ICM



Lift the handset.



80~87



"Mr. B, please answer paging by dialing #."



dial #



The called person answer by dialing #



conversation with called person

(To answer the paging)



Lift the handset.



dial #



conversation with the pager

Meet-Me Conference Paging (ADON)

A paging station can be answered by up to 5 stations in the paged zone.

(To receive answers)





Lift the handset.



80~84



"Mr. B, Mr. C, ---, and Mr. F. Please join us by pressing the ADON key."



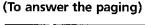
ADON DND



Answer by called person



multi conference





Lift the handset.

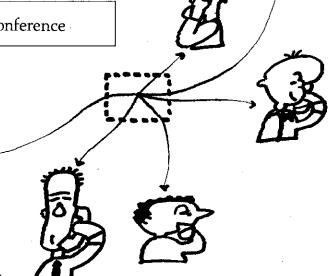


ADON DND



multi conference





DSS CONSOLE (OPTION)

Direct Station Selection Console The DSS console can be used with a station. (Max. 2 locations) The DSS console is not available in a 512 system.

DSS Call

A single key on the DSS console allows one of the stations and door phones to be accessed. Also, one of the aforementioned paging modes can be accessed using just one key.



Lift the handset.



one of keys



"Mr. A..."

Changing Voice-Call Mode

A station operator can change from the

mode, and vice versa, by pressing the

voice-call mode to the signal-call

& Signal-Call Mode

SG/VC key.

(Station Busy-Lamp Field) Each key lamp indicates a station's condition as follows:

Idle station:

Busy station:

Called station:

7) 7///////

Do-Not-Disturb:

Message waiting:

V/////\

ALARM:

Automatic Hold of C/O Line

You do not have to press the HOLD and ICM key for an Automatic Hold to transfer a C/O line. Pressing the DSS, paging or doorphone give an Automatic Hold.

Intercom Off-hook

Signalling 🚓

When the called station is busy, a soft calling tone can be sent to the called station through the built-in speaker. To do this, press the DSS key and then the SG/VC key.

Automatic Transfer After Intercom Call

A party who has been transferred can be connected to an outside party by pressing the corresponding C/O line key.



on the C/O line



a DSS key



The C/O line is held.



"Hello! Mr. B"



Mr. B. answers.



TRFR



on the C/O line

The held C/O line is transferred to Mr. B.

Ring Inward &

When you want to transfer a C/O line call: Press the TRFR key to send a calling tone to the transferred station until the held line is answered by the transferred party.

(The transferring station)



on the C/O line



a DSS key



The C/O line is held.



TRFR

(The transferred station)



the calling tone



the C/O key



Lift the handset.



on the C/O line

Message Waiting

A flashing MW lamp means a message is waiting for you and that you have to call back.

(To set the message-waiting mode)

Calling the station



no answer or busy



- The MW lamp on the message waiting station flashes quickly.
- The MW lamp on the message waiting station flashes rapidly.
- o Seize an ICM-line and dial "*" to call back the MW.

(To clear the mode)



on-hook condition



MW



the DSS key which you want to clear

o Each MW lamp becomes dark.

Night Transfer 🛧

Incoming signaling assignments can be switched from day-time to a night-time mode.



on-hook condition



NT



The night-time mode is set.



RG·TR lamps on every station and NT lamp light steady.





The day-time mode is set.

> RG-TR lamps on every station become dark.



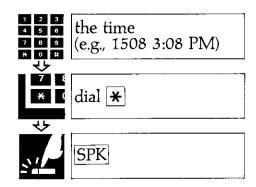
EXECUTIVE TELEPHONES (OPTION)

Date & Time Display

Executive telephones have a host of convenient clock functions. The month, day, date, AM/PM indication, houor and minute can be set by a preassigned station.

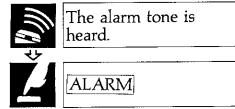
- 0: Sunday
- 4: Thursday
- 1: Monday
- 5: Friday
- 2: Tuesday
- 6: Saturday
- 3: Wednesday

SPK



(To Stop Alarm Tone)

(To Reset Alarm)



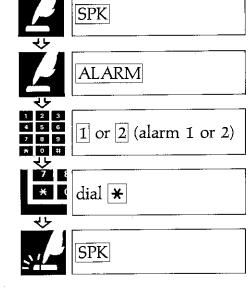
The alarm tone is stopped.

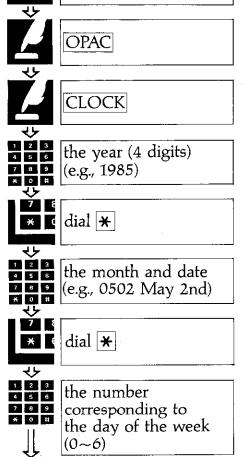
Alarm Clock

Each executive telephone has two alarm times. The alarms can be set to alert daily.

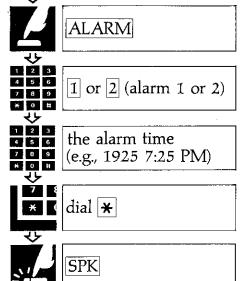
(To Set Alarm Time)

SPK





dial Ӿ



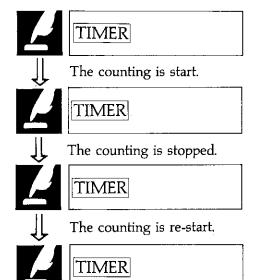
Display the Dialing Number

A manually dialed or automatically dialed number is displayed. Press the CLOCK key to return to the clock display.

is displayed.

Stopwatch

The executive telephone also has a stopwatch function. It can count up to 23 hours, 59 minutes and 59 seconds. This function can be used during conversation.



The clock is displayed.

The counting is stopped.

Note: Depending on the preassigned start time after seizing a C/O line, (system program) the clock will begin timing the duration of the call.

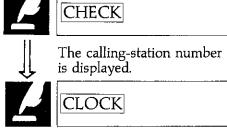
CLOCK

Checking Phone Numbers

(Intercom Calling-Station Number)

The calling station number can be checked when an intercom call is received.

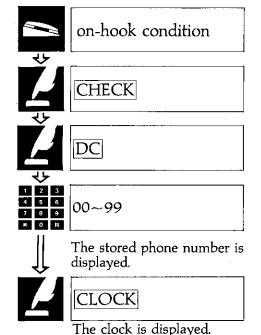
> Your station is receiving a call.



The clock is displayed.

(Abbreviated-Dialing Number)

Stored Abbreviated Dial Numbers can be reviewed.



(Repertory-Dialing Number)

Stored Repertory Dial Numbers can be reviewed.



on-hook condition



CHECK



DC



an F-x key



The stored abbreviated-code is displayed. (00~99)



CLOCK

The clock is displayed.

* If you depress the ICM key instead of the DC key, a stored station number for DSS call is displayed.

(Station Number Originated MW)

When the MW lamp flashes, you can identify who sent the message by checking the station numbers.



on-hook condition



CHECK



dial 🗶



The station number is displayed.



CLOCK

The clock is displayed.



OTHER FACILITIES

Key Touch Tone *

A short beep tone is sounded when a key is pressed. The "** key is used to turn the beep tone on or off when the handset is in position.

Change the System Data/Delete the Service Functions *

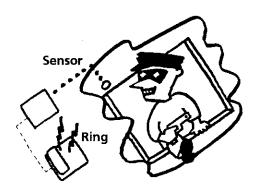
The system program can be changed to meet individual requirements. Reprogrammable functions are indicated by a club mark "*" throughout this booklet. If you have any questions, consult your representative.

Mixed Installation with Other Model Telephone Sets *

All phones in this Series can be installed in combination.

Alarm Detection (option)

Up to two alarm sensors for fire, gas, burglary or other security use can be connected to the system. When an alarm condition is detected, an alarm tone is activated from preassigned stations and from external speakers.



Single-Line Telephone Interface (option)

If you prefer, single line or regular telephones can be installed in the system.

(To seize a C/O line) three methods

- 1) Lift the handset and dial "0".
- 2) Lift the handset and dial "1" to "4".
- 3) Lift the handset and dial "5" and then the desired C/O-line number (01 to 24).

(To seize an intercom line) Lift the handset and dial "7".

(Transfer a C/O-line from Key-station to Single-line station)

- Hold the C/O-line, call the Singleline station, and depress the RG-INW key.
- 2) Lift the handset, and wait.

(Transfer a C/O-line from Single-line station to Key-station)

- 1) With the condition of a C/O-line conversation, make a hook-flash.
- Dial the intercom number of the station to which the call is to be transferred.
- 3) Answer at the called station.
- 4) Hang up at the Single-line station.
- 5) The C/O line is connected to the Key-station.

Keep depressed about 1/2 second.



A hook-flash

Long Line Cord (5 m) (option)

Optional long line cords are available.

Expandable with 512/824/ 1236/2464 MEs

Your Systems can be connected in any combination for expanded system capacity.

Station Message Details Recorder (SMDR) (option)

An SMDR unit can be installed to print out the details of C/O line calls (date, time, phone number and other data for each station).

Wall Mounting (option)

A wall-mounting kit is available for space-saving installtion.



(To place an intercom call to another system)

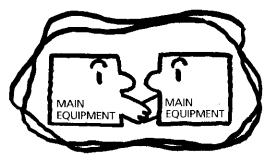
- 1) Seize an appropriate C/O-line, and dial "7".
- 2) Dial the station number.

(To transfer an incoming C/O line call to station in another system)

- Depress the ICM key with seizing a C/O-line and dial preassigned number.
- The C/O-line is held and incoming ring will occur on the transferee link of the other system.
- The incoming calls of the other system have to handled by someone from the other system.

Full Back Up Power Supply for Power Failure (option)

A power supply unit with storage batteries provides full system back up for 3 hours or more during a power failure.



POWER FAILURE CONDITION

When a power failure occurs in the middle of a C/O line conversation, the C/O line and the intercom line are disconnected.

(Answering Incoming C/O-line Calls During a Power Failure)

Preassign the power-failure station to each C/O-line.

Incoming calls can be answered only by preassigned stations. An incoming-signal tone is heard from

An incoming-signal tone is heard from the extention bell which is installed near the Main Unit.

Lift the handset on the preassigned station, to answer the call.

(Placing a C/O line Call During a Power Failure)

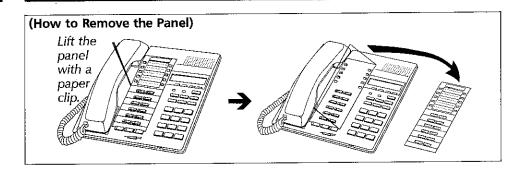
During a power failure, C/O line outgoing calls are available only with standard telephones connected the Main Unit.

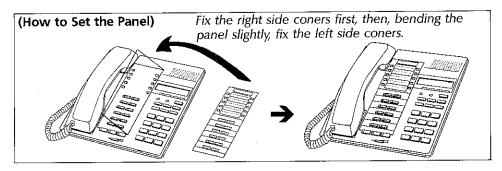
Lift the handset and dial the phone number.

(When power is restored)

When power is restored C/O line conversations will be disconnected, and all system facilities will again be available.

DESIGNATION CARD

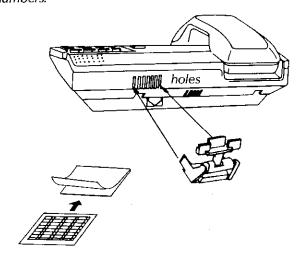




DIAL CARD SET

(Installation)

This card is used to indicate the abbreviated dialing codes and intercom station numbers.



ABBREVIATED DIAL CODE

CODE	NAME	NUMBER
00		
01		•
02		- "
03		
04		
05		
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28		
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31		
32		
33		

CODE	NAME	NUMBER
34		
35		
36		
37		-
38		
39		
40		
41		
42		
43		
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48		,,
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67		

CODE	NAME	NUMBER
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81		
82		
83		
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97		
98		
99		

Independently used numbers are stored by each station.

Distributor;



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