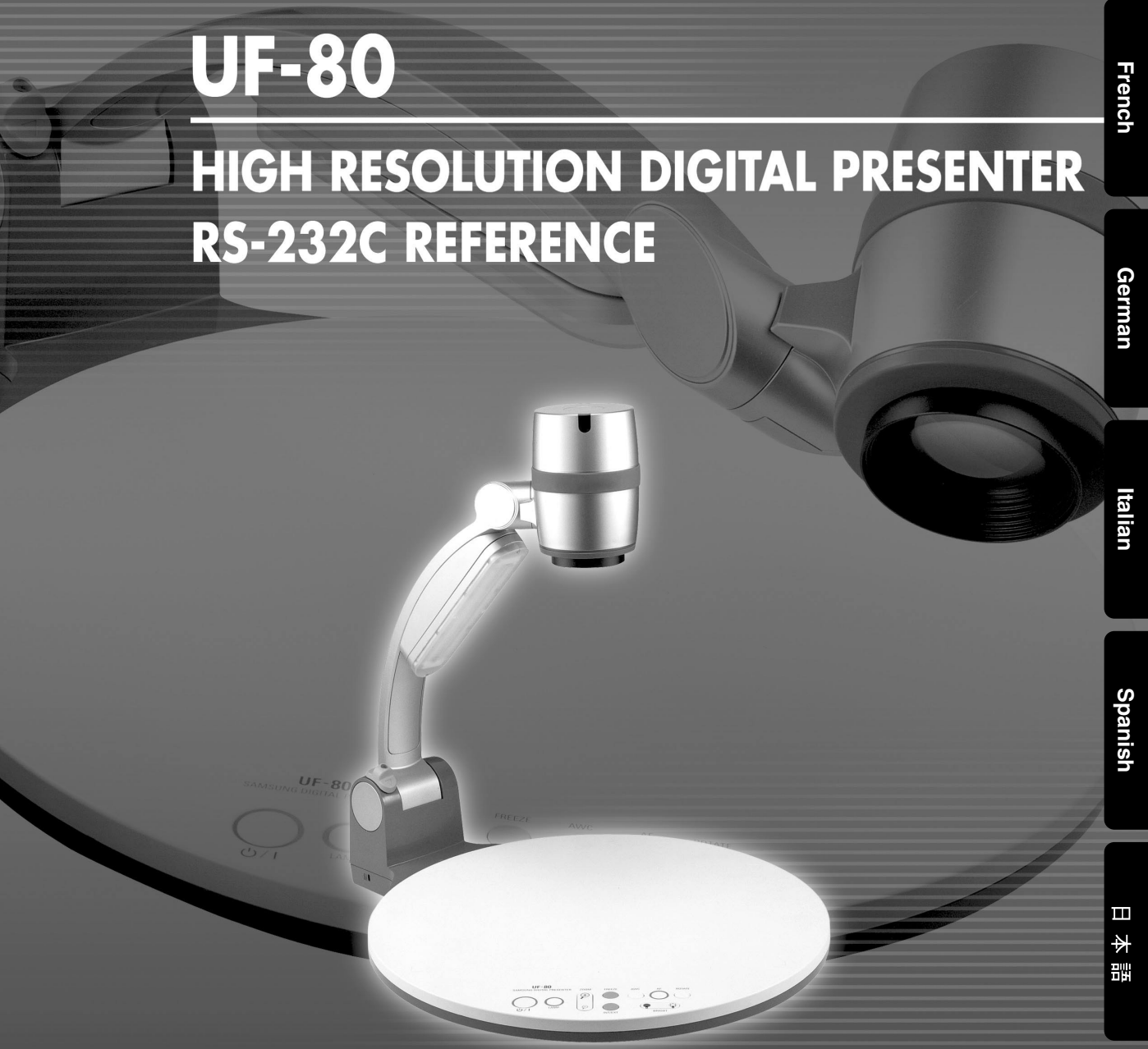
SAMSUNG

English
French
German
Italian
Spanish
日本語

UF-80

HIGH RESOLUTION DIGITAL PRESENTER
RS-232C REFERENCE

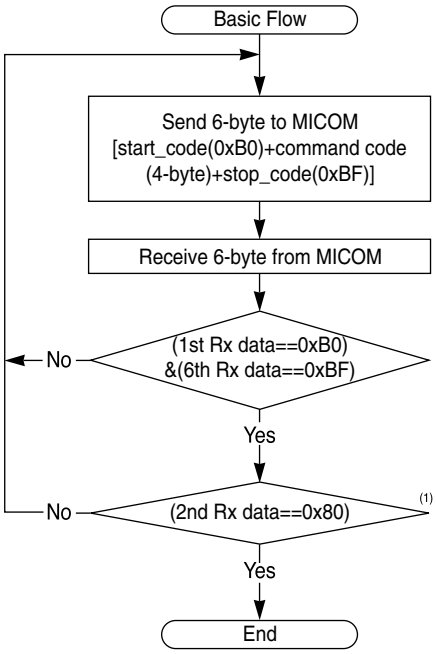


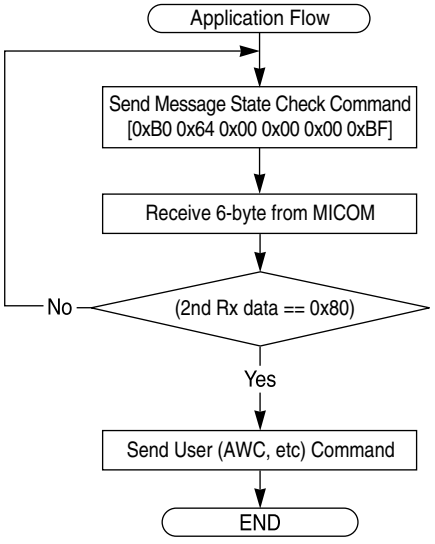
Before attempting to operate this product, please read the instructions carefully.
www.samsungpresenter.com

UF-80 RS232C PC-side FlowChart

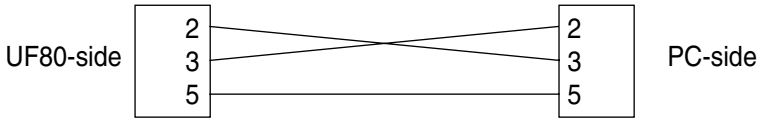
- BaudRate: 9600bps
- Parity Bit: No Parity
- Stop Bit Length: 1-bit
- Character Length: 8-bit
- Start Code: 0xB0
- Stop Code: 0xBF
- Command Code: 4-byte

(Note1 2nd Rx data == 0x80)
What the 2nd-Rx-data ("ACK data") is not 0x80 means that the system is doing other operation. (Check up page 6)
With the command "Message-Status", you can check up current status of the system and send the user command. (AWC, etc)





UF-80 RS232C Cable Connection



RS232C Command Code (UF-80)

Command	PC Transmit Data to MICOM				PC Receive Data from MICOM				Remark
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
AWC	0 x 01	0 x 00	0 x 05	0 x 00	0 x 01	"ACK data"	0 x 05	0 x 00	
AF	0 x 02	0 x 00	0 x 05	0 x 00	0 x 02	"ACK data"	0 x 05	0 x 00	
Lamp ON	0 x 03	0 x 00	0 x 05	0 x 00	0 x 03	"ACK data"	0 x 05	0 x 00	
Lamp OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Internal	0 x 04	0 x 00	0 x 05	0 x 00	0 x 04	"ACK data"	0 x 05	0 x 00	
External		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Aperture ON	0 x 09	0 x 00	0 x 05	0 x 00	0 x 09	"ACK data"	0 x 05	0 x 00	
Aperture OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
FREQ 75Hz	0 x 0A	0 x 00	0 x 05	0 x 00	0 x 0A	"ACK data"	0 x 05	0 x 00	
FREQ 60Hz		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Power ON	0 x 0F	0 x 00	0 x 05	0 x 00	0 x 0F	"ACK data"	0 x 05	0 x 00	
Power OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Rotate OFF	0 x 11	0 x 00	0 x 05	0 x 00	0 x 11	"ACK data"	0 x 05	0 x 00	
Rotate 90°		0 x 00	0 x 08	0 x 00		"ACK data"	0 x 08	0 x 00	
Rotate 180°		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Rotate 360°		0 x 00	0 x 0D	0 x 00		"ACK data"	0 x 0D	0 x 00	

RS232C Command Code (UF-80)

Command	PC Transmit Data to MICOM				PC Receive Data from MICOM				Remark
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Freeze ON	0 x 12	0 x 00	0 x 05	0 x 00	0 x 12	"ACK data"	0 x 05	0 x 00	
Freeze OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Image Save	0 x 13	0 x 00	Number	0 x 00	0 x 13	"ACK data"	Number	0 x 00	Range:"1~8"
Image Recall	0 x 14	0 x 00	Number	0 x 00	0 x 14	"ACK data"	Number	0 x 00	Range:"1~8"
[1)]Image Divide	0 x 15	0 x 00	Number	0 x 00	0 x 15	"ACK data"	Number	0 x 00	Range:"1~9"
Image Shift	0 x 16	0 x 00	0 x 05	0 x 00	0 x 16	"ACK data"	0 x 05	0 x 00	
Preset Save	0 x 17	0 x 00	Number	0 x 00	0 x 17	"ACK data"	Number	0 x 00	Range:"1~4"
Preset Exe	0 x 18	0 x 00	Number	0 x 00	0 x 18	"ACK data"	Number	0 x 00	
Recall, divide, 3x3 multi-screen Cancel	0 x1F	0 x 00	0 x 05	0 x 00	0 x 1F	"ACK data"	0 x 05	0 x 00	
Iris Up	0 x 21	0 x 00	0 x 05	0 x 00	0 x 21	"ACK data"	0 x 05	0 x 00	
Iris Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Red Up	0 x 23	0 x 00	0 x 05	0 x 00	0 x 23	"ACK data"	0 x 05	0 x 00	
Red Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Blue Up	0 x 24	0 x 00	0 x 05	0 x 00	0 x 24	"ACK data"	0 x 05	0 x 00	
Blue Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	

[Note 1] Transmitting number "9" in image divide command, the system executes 3X3 multi-screen mode.

RS232C Command Code (UF-80)

Command	PC Transmit Data to MICOM				PC Receive Data from MICOM				Remark
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Focus FAR	0 x 25	0 x 00	0 x 05	0 x 00	0 x 25	"ACK data"	0 x 05	0 x 00	
Focus NEAR		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Zoom Tele	0 x 26	0 x 00	0 x 05	0 x 00	0 x 26	"ACK data"	0 x 05	0 x 00	
Zoom Wide		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Iris Target	0 x 41	0 x 00	0 x 00	"data"	0 x 41	"ACK data"	0 x 00	"data"	Range: "1~120"
Red Target	0 x 43	0 x 00	0 x 00	"data"	0 x 43	"ACK data"	0 x 00	"data"	Range: "1~200"
Blue Target	0 x 44	0 x 00	0 x 00	"data"	0 x 44	"ACK data"	0 x 00	"data"	Range: "1~200"
Focus Target	0 x 45	0 x 00	"MSB data"	"LSB data"	0 x 45	"ACK data"	"MSB data"	"LSB data"	[1]Range: "0~2225"
Zoom Target	0 x 46	0 x 00	"MSB data"	"LSB data"	0 x 46	"ACK data"	"MSB data"	"LSB data"	Range: "0~1904"
Focus/Zoom	0 x 47	0 x 05	"zoom MSB"	"zoom LSB"	0 x 47	"ACK data"	"zoom MSB"	"zoom LSB"	[1]Focus: "0~2225"
concurrent Target		0 x 0A	"focus MSB"	"focus LSB"		"ACK data"	"focus MSB"	"focus LSB"	Zoom: "0~1904"
[1]Drive Stop	0 x 2F	0 x 00	0 x 05	0 x 00	0 x 2D	"ACK data"	0 x 05	0 x 00	

[Note 1] Depending of the zoom amount, the range of focus data will be changed. You can figure it out to see page 4. ("Focus-Status[Max]", "Focus-Status[Min]")

[Note 2] Above 10 Command (Iris up/down ,Red up/down, Blue up/down, Focus far/near, Zoom tele/wide) will go to all the way once you execute it.
"Drive Stop" can stop those command in certain point that you want.

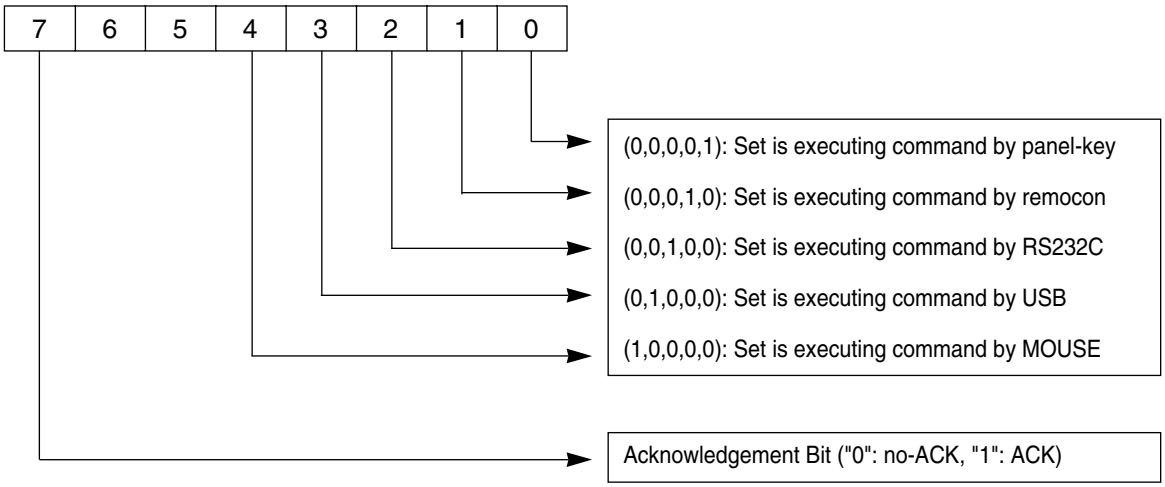
RS232C Command Code (UF-80)

Command	PC Transmit Data to MICOM				PC Receive Data from MICOM				Remark
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Set-Status(Normal)	0 x 61	0 x 00	0 x 00	0 x 00	0 x 61	"ACK data"	Status(MSB)	Status(LSB)	Bit definition of Status represents Page 5, 6, 7
Set-Status(Digital)	0 x 62	0 x 00	0 x 00	0 x 00	0 x 62	"ACK data"	Status(MSB)	Status(LSB)	
Message-Status	0 x 64	0 x 00	0 x 00	0 x 00	0 x 64	"ACK data"	Status(MSB)	Status(LSB)	
Iris-Status	0 x 65	0 x 00	0 x 00	0 x 00	0 x 65	"ACK data"	0 x 00	Status	Range:"1~120"
Red-Status	0 x 67	0 x 00	0 x 00	0 x 00	0 x 67	"ACK data"	0 x 00	Status	Range:"1~200"
Blue-Status	0 x 68	0 x 00	0 x 00	0 x 00	0 x 68	"ACK data"	0 x 00	Status	Range:"1~200"
Zoom-Status	0 x 69	0 x 00	0 x 00	0 x 00	0 x 69	"ACK data"	Status(MSB)	Status(LSB)	Range:"0~1904"
Focus-Status	0 x 6A	0 x 00	0 x 00	0 x 00	0 x 6A	"ACK data"	Status(MSB)	Status(LSB)	Range:"0~2225"
[1]Focus-Status(Max)	0 x 6B	0 x 00	0 x 05	0 x 00	0 x 6B	"ACK data"	Status(MSB)	Status(LSB)	Range:"648~2225"
[1]Focus-Status(Min)		0 x 00	0 x 0A	0 x 00		"ACK data"	Status(MSB)	Status(LSB)	Range:"0~1383"

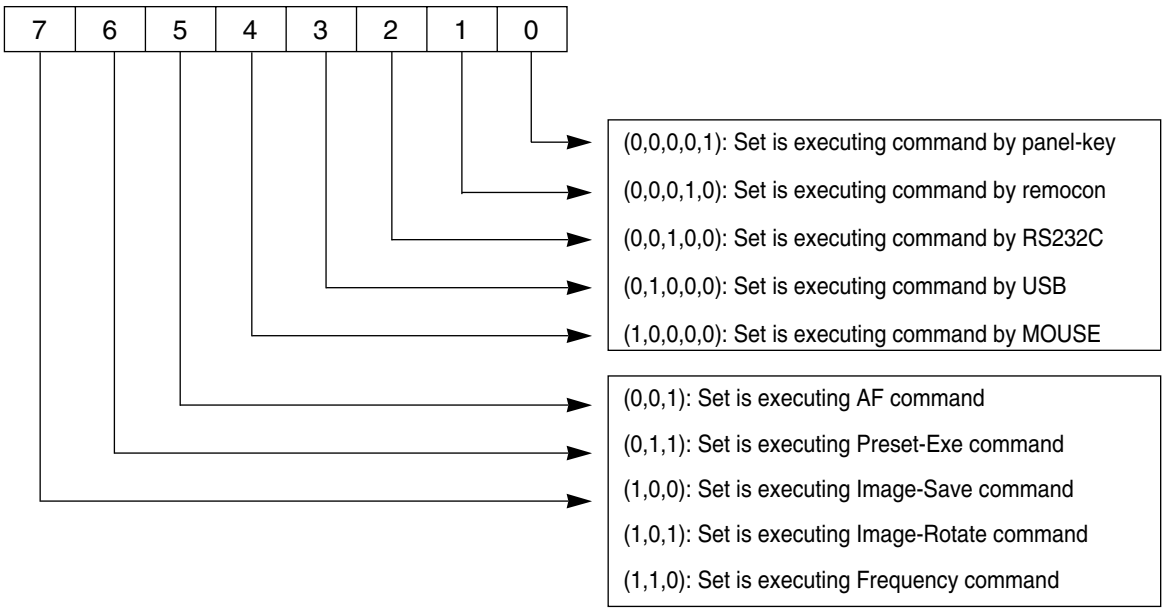
[Note 1] This command returns focus maximum/minimum data at current zoom position.

RS232C COMMAND CODE (UF-80)

■ Bit Definition of "ACK data"



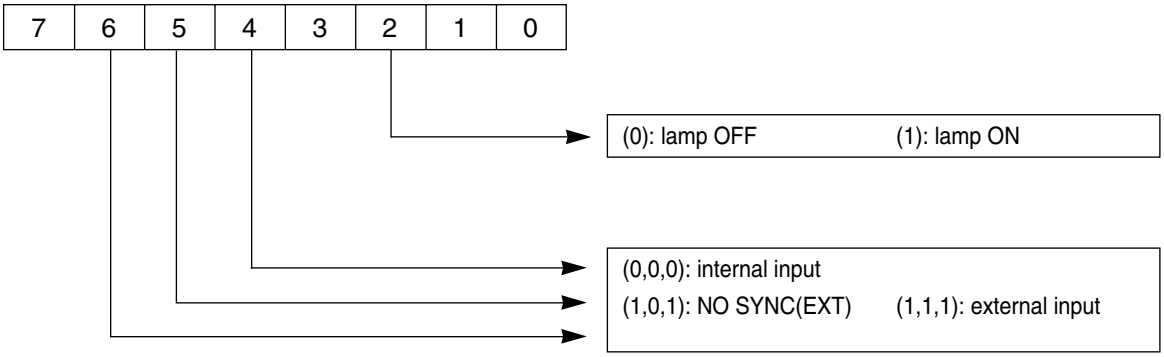
■ Status Bit Definition by Message-Status Command



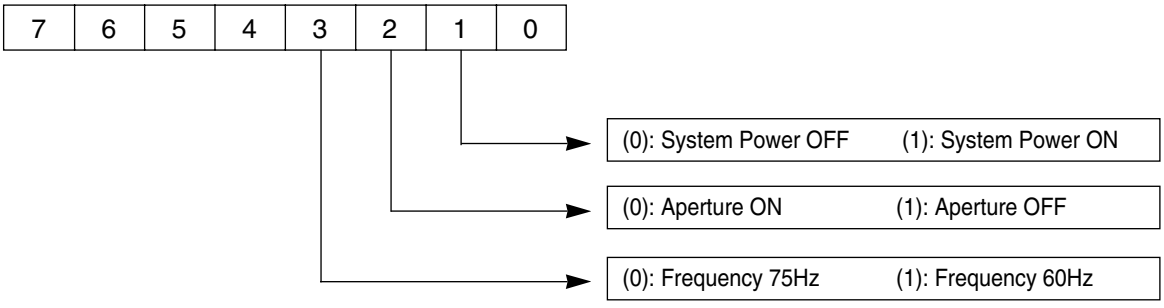
RS232C Command Code (UF-80)

■ Status Bit Definition by Set-Status Command

- LSB 8bit



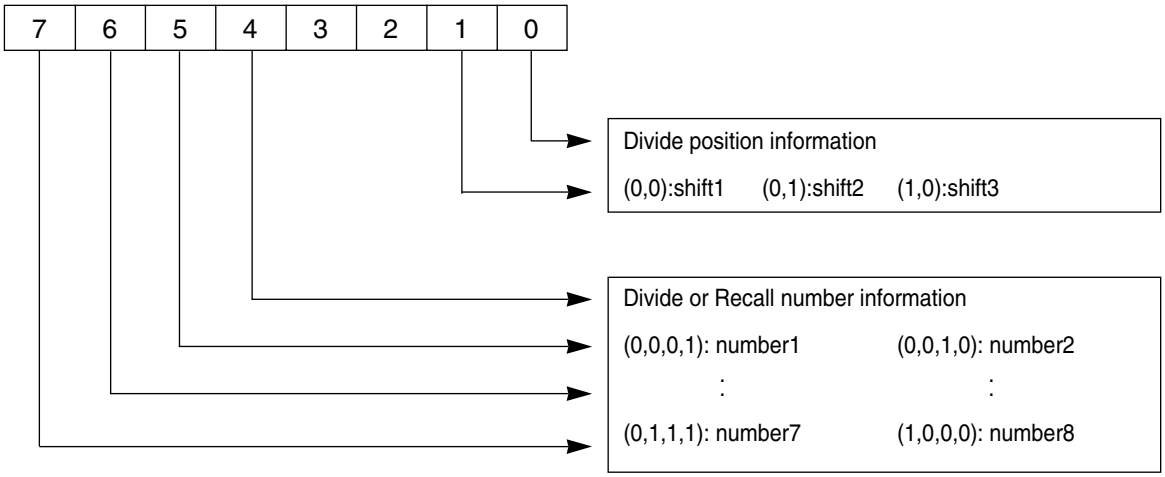
- MSB 8bit



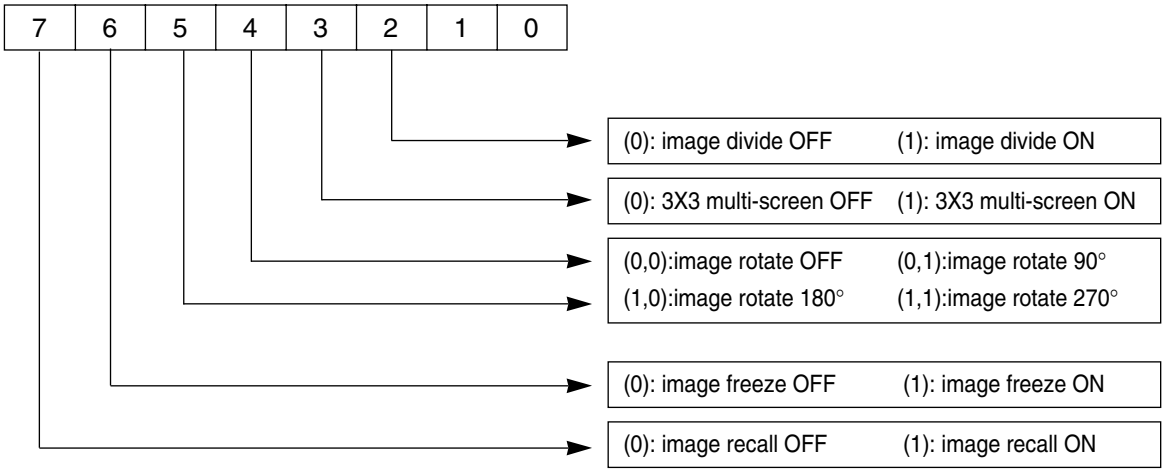
RS232C COMMAND CODE (UF-80)

■ Status Bit Definition by Set-Status(Digital) Command

- LSB 8bit



- MSB 8bit



Memo

SAMSUNG

English

French

German

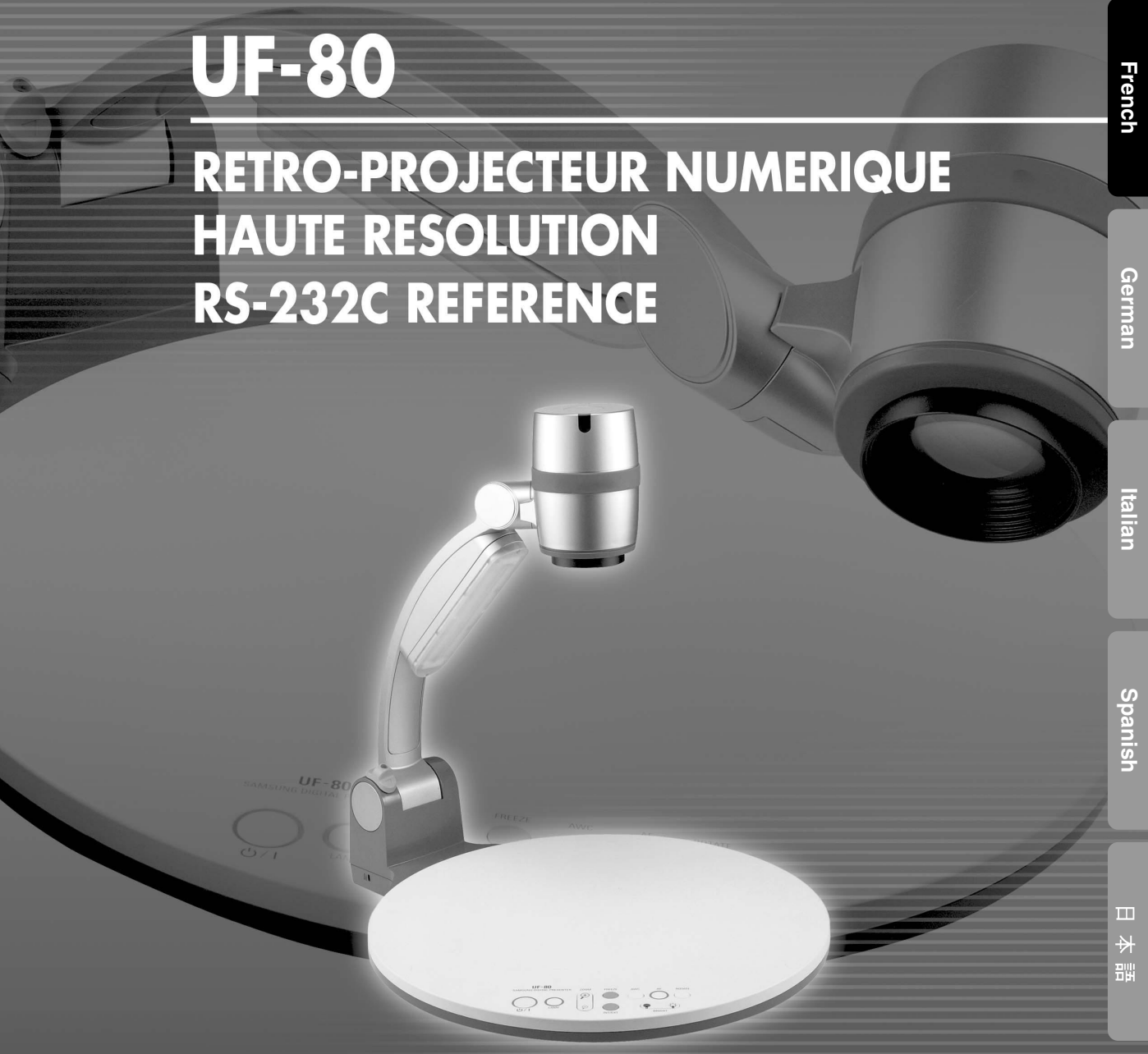
Italian

Spanish

日本語

UF-80

RETRO-PROJECTEUR NUMERIQUE HAUTE RESOLUTION RS-232C REFERENCE

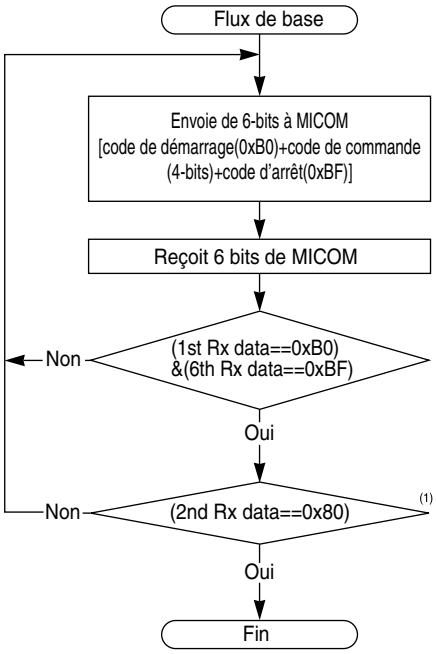


Avant de faire fonctionner ce produit, veuillez lire les instructions attentivement.

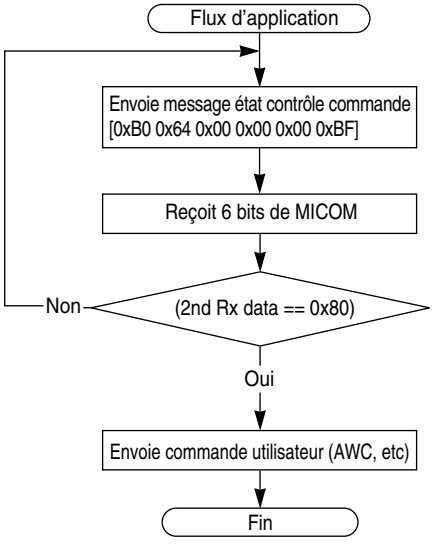
www.samsungpresenter.com

Organigramme côté PC UF-80 RS232C

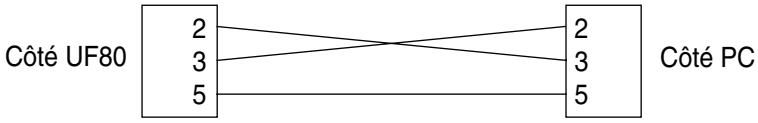
- Débit en bauds : 9600bps
- Bit de parité : Aucune parité
- Arrêt longueur de bit : 1-bit
- Longueur de caractère : 8-bit
- Code de démarrage : 0xB0
- Code d'arrêt : 0xBF
- Code de commande : 4-byte



(Remarque 1 2nd Rx data== 0x80)
2nd-Rx-data ("ACK data") n'est pas 0x80 signifie que le système effectue une autre opération. (Vérifiez page 8)
A l'aide de la commande "Message-Status" vérifiez l'état actuel du système et envoyez la commande utilisateur. (AWC, etc)



Câble de branchement UF-80 RS232C



Code commande RS232C (UF-80)

Command	Transmission de données du PC vers MICOM				Réception de données de MICOM vers le PC				Remarque
	1er	2ème	3ème	4ème	1er	2ème	3ème	4ème	
AWC	0 x 01	0 x 00	0 x 05	0 x 00	0 x 01	"Données ACK"	0 x 05	0 x 00	
AF	0 x 02	0 x 00	0 x 05	0 x 00	0 x 02	"Données ACK"	0 x 05	0 x 00	
Lamp ON	0 x 03	0 x 00	0 x 05	0 x 00	0 x 03	"Données ACK"	0 x 05	0 x 00	
Lamp OFF		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Internal	0 x 04	0 x 00	0 x 05	0 x 00	0 x 04	"Données ACK"	0 x 05	0 x 00	
External		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Aperture ON	0 x 09	0 x 00	0 x 05	0 x 00	0 x 09	"Données ACK"	0 x 05	0 x 00	
Aperture OFF		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
FREQ 75Hz	0 x 0A	0 x 00	0 x 05	0 x 00	0 x 0A	"Données ACK"	0 x 05	0 x 00	
FREQ 60Hz		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Power ON	0 x 0F	0 x 00	0 x 05	0 x 00	0 x 0F	"Données ACK"	0 x 05	0 x 00	
Power OFF		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Rotate OFF	0 x 11	0 x 00	0 x 05	0 x 00	0 x 11	"Données ACK"	0 x 05	0 x 00	
Rotate 90°		0 x 00	0 x 08	0 x 00		"Données ACK"	0 x 08	0 x 00	
Rotate 180°		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Rotate 360°		0 x 00	0 x 0D	0 x 00		"Données ACK"	0 x 0D	0 x 00	

RS232C Command Code (UF-80)

Command	Transmission de données du PC vers MICOM				Réception de données de MICOM vers le PC				REMARQUE
	1er	2ème	3ème	4ème	1er	2ème	3ème	4ème	
Freeze ON	0 x 12	0 x 00	0 x 05	0 x 00	0 x 12	"Données ACK"	0 x 05	0 x 00	
Freeze OFF		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Image Save	0 x 13	0 x 00	Numéro	0 x 00	0 x 13	"Données ACK"	Numéro	0 x 00	Plage:"1~8"
Image Recall	0 x 14	0 x 00	Numéro	0 x 00	0 x 14	"Données ACK"	Numéro	0 x 00	Plage:"1~8"
[1)]Image Divide	0 x 15	0 x 00	Numéro	0 x 00	0 x 15	"Données ACK"	Numéro	0 x 00	Plage:"1~9"
Image Shift	0 x 16	0 x 00	0 x 05	0 x 00	0 x 16	"Données ACK"	0 x 05	0 x 00	
Preset Save	0 x 17	0 x 00	Numéro	0 x 00	0 x 17	"Données ACK"	Numéro	0 x 00	Plage:"1~4"
Preset Exe	0 x 18	0 x 00	Numéro	0 x 00	0 x 18	"Données ACK"	Numéro	0 x 00	
Recall, divide, 3x3 multi-screen Cancel	0 x1F	0 x 00	0 x 05	0 x 00	0 x 1F	"Données ACK"	0 x 05	0 x 00	
Iris Up	0 x 21	0 x 00	0 x 05	0 x 00	0 x 21	"Données ACK"	0 x 05	0 x 00	
Iris Down		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Red Up	0 x 23	0 x 00	0 x 05	0 x 00	0 x 23	"Données ACK"	0 x 05	0 x 00	
Red Down		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Blue Up	0 x 24	0 x 00	0 x 05	0 x 00	0 x 24	"Données ACK"	0 x 05	0 x 00	
Blue Down		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	

[Remarque 1] En transmettant le numéro "9" en commande division d'image, le système exécute le mode multi écran 3X3.

RS232C Command Code (UF-80)

Command	Transmission de données du PC vers MICOM				Réception de données de MICOM vers le PC				Remarque
	1er	2ème	3ème	4ème	1er	2ème	3ème	4ème	
Focus FAR	0 x 25	0 x 00	0 x 05	0 x 00	0 x 25	"Données ACK"	0 x 05	0 x 00	
Focus NEAR		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Zoom Tele	0 x 26	0 x 00	0 x 05	0 x 00	0 x 26	"Données ACK"	0 x 05	0 x 00	
Zoom Wide		0 x 00	0 x 0A	0 x 00		"Données ACK"	0 x 0A	0 x 00	
Iris Target	0 x 41	0 x 00	0 x 00	"données"	0 x 41	"Données ACK"	0 x 00	"données"	Plage: "1~120"
Red Target	0 x 43	0 x 00	0 x 00	"données"	0 x 43	"Données ACK"	0 x 00	"données"	Plage: "1~200"
Blue Target	0 x 44	0 x 00	0 x 00	"données"	0 x 44	""Données ACK"	0 x 00	"données"	Plage: "1~200"
Focus Target	0 x 45	0 x 00	"données MSB"	"données LSB"	0 x 45	"Données ACK"	"données MSB"	"données LSB"	(1)Plage: "0~2225"
Zoom Target	0 x 46	0 x 00	"données MSB"	"données LSB"	0 x 46	"Données ACK"	"données MSB"	"données LSB"	Plage: "0~1904"
Focus/Zoom	0 x 47	0 x 05	"données MSB"	"données LSB"	0 x 47	"Données ACK"	"zoom MSB"	"zoom LSB"	(1)Mise au point : "0~2225
concurrent Target		0 x 0A	"données MSB"	"données LSB"		"Données ACK"	"Mise au point MSB"	"Mise au point LSB"	Zoom: "0~1904"
(1)Drive Stop	0 x 2F	0 x 00	0 x 05	0 x 00	0 x 2D	"Données ACK"	0 x 05	0 x 00	

[Remarque 1] Selon le zoom, la plage des données de la mise au point vont changer. Vous pouvez consulter la page 6. ("Etat mise au point[Max]", "Etat mise au point [Min]")

[Remarque 2] Au delà, la commande 10 (Diaphragme haut/bas, Rouge haut/bas, Bleu haut/bas, Mise au point proche/éloigné, Zoom téléobjectif/grand angle) sera effectuée entièrement lorsque vous l'exécutez.
" Arrêt lecteur" permet d'arrêter les commandes à l'endroit de votre choix.

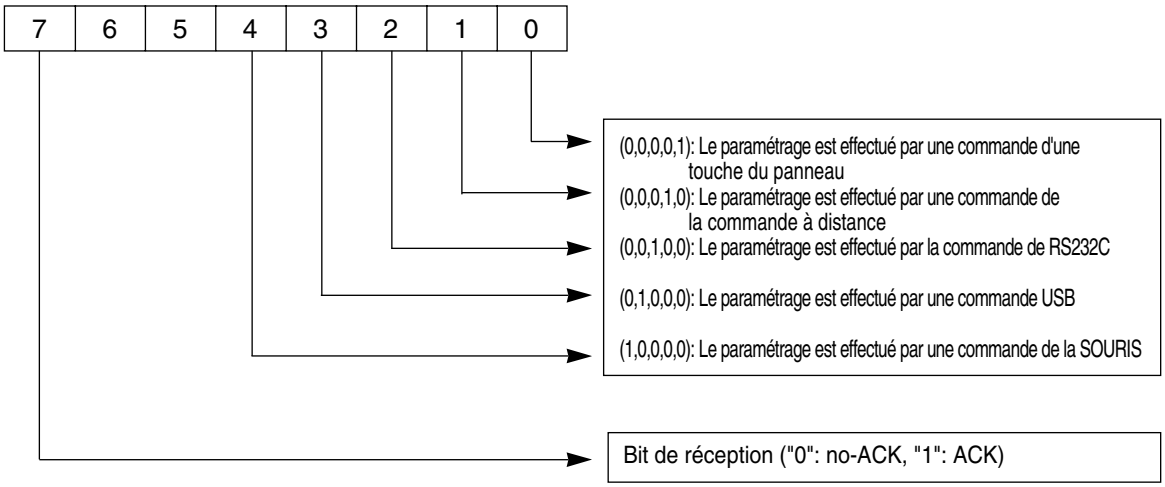
RS232C Command Code (UF-80)

Command	Transmission de données du PC vers MICOM				Réception de données de MICOM vers le PC				Remarque
	1er	2ème	3ème	4ème	1er	2ème	3ème	4ème	
Set-Status(Normal)	0 x 61	0 x 00	0 x 00	0 x 00	0 x 61	"données ACK"	Etat (MSB)	Etat (LSB)	La définition du bit de l'état représente les pages 7, 8, 9
Set-Status(Digital)	0 x 62	0 x 00	0 x 00	0 x 00	0 x 62	"données ACK"	Etat (MSB)	Etat (LSB)	
Message-Status	0 x 64	0 x 00	0 x 00	0 x 00	0 x 64	"données ACK"	Etat (MSB)	Etat (LSB)	
Iris-Status	0 x 65	0 x 00	0 x 00	0 x 00	0 x 65	"données ACK"	0 x 00	Etat	Plage:"1~120"
Red-Status	0 x 67	0 x 00	0 x 00	0 x 00	0 x 67	"données ACK"	0 x 00	Etat	Plage:"1~200"
Blue-Status	0 x 68	0 x 00	0 x 00	0 x 00	0 x 68	"données ACK"	0 x 00	Etat	Plage:"1~200"
Zoom-Status	0 x 69	0 x 00	0 x 00	0 x 00	0 x 69	"données ACK"	Etat (MSB)	Etat (LSB)	Plage:"0~1904"
Focus-Status	0 x 6A	0 x 00	0 x 00	0 x 00	0 x 6A	"données ACK"	Etat (MSB)	Etat (LSB)	Plage:"0~2225"
(1)Focus-Status(Max)	0 x 6B	0 x 00	0 x 05	0 x 00	0 x 6B	"données ACK"	Etat (MSB)	Etat (LSB)	Plage:"648~2225"
(1)Focus-Status(Min)		0 x 00	0 x 0A	0 x 00		"données ACK"	Etat (MSB)	Etat (LSB)	Plage:"0~1383"

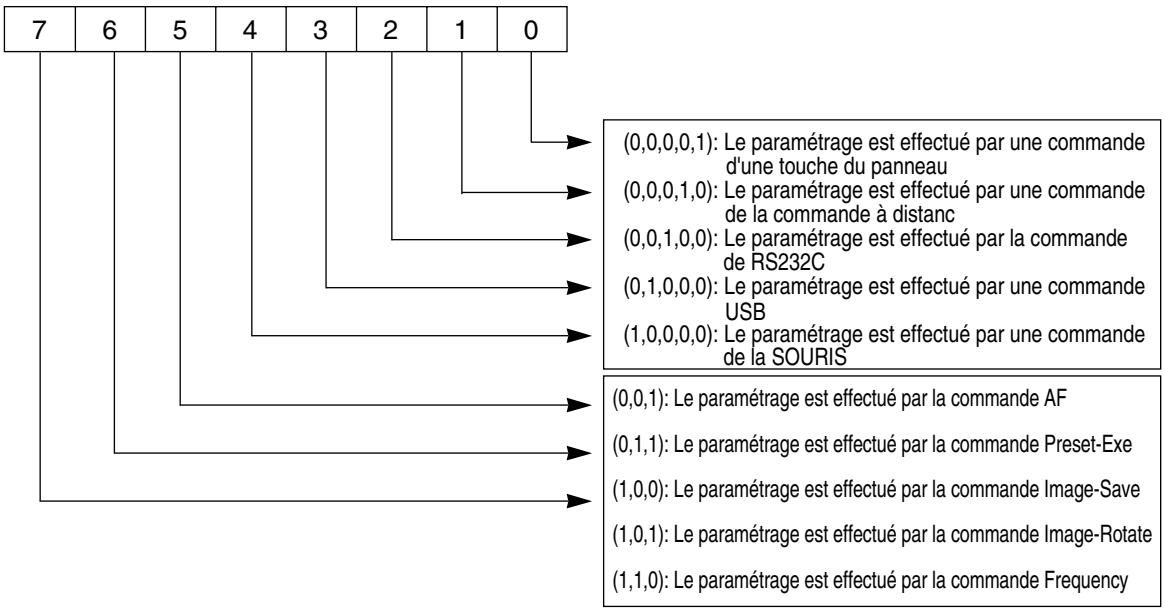
[Remarque 1] Cette commande permet de ramener les données maximum/minimum de la mise au point à la position du zoom actuel.

RS232C COMMAND CODE (UF-80)

■ Définition de bit des "données ACK"

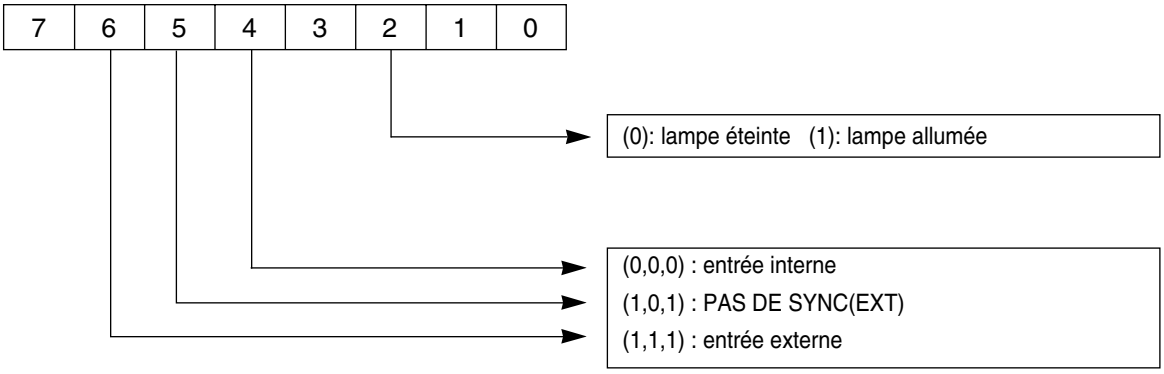


■ Bit d'état Definition par Message-Commande état

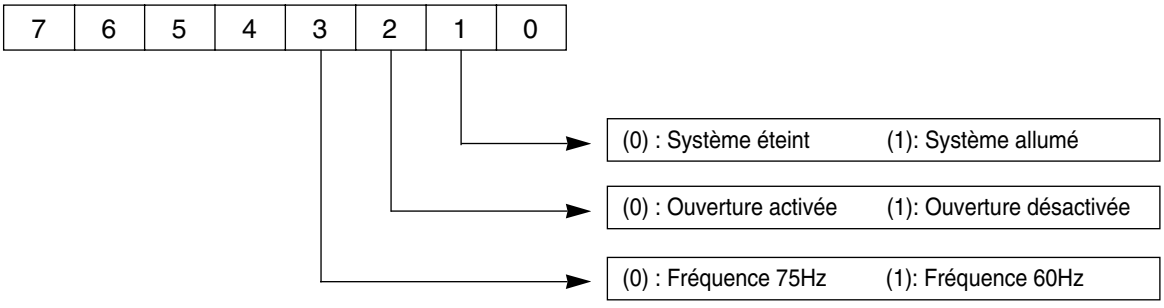


■ Définition du bit d'état par paramétrage-Commande état

- LSB 8bit

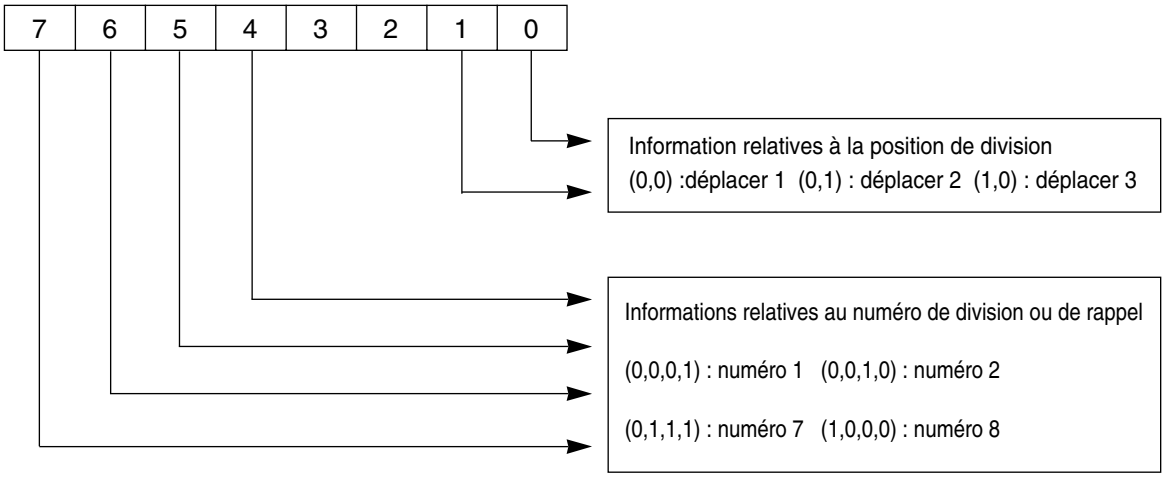


- MSB 8bit

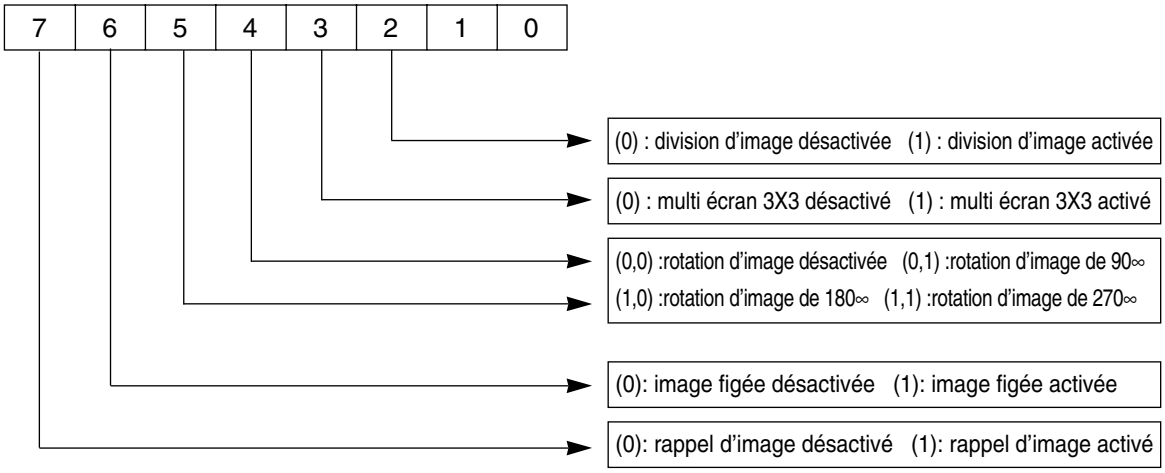


■ Bit d'état définition par paramétrage-Commande état (Numérique)

- LSB 8bit



- MSB 8bit



Memo

SAMSUNG

English
French
German
Italian
Spanish
日本語

UF-80

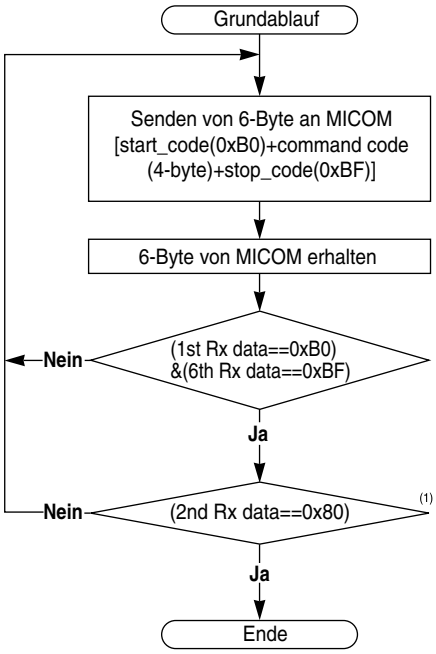
RS-232C REFERENZ FÜR DIGITAL PRESENTER MIT HOHER AUFLÖSUNG

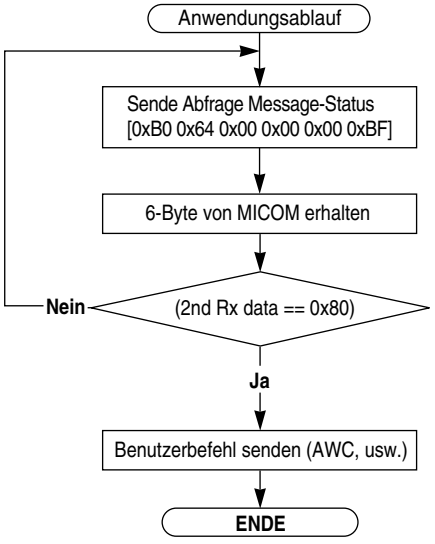
Vor Inbetriebnahme des Produktes bitte die Anweisungen sorgfältig lesen.
www.samsungpresenter.com

UF -80 RS232C Ablaufdiagramm für PC

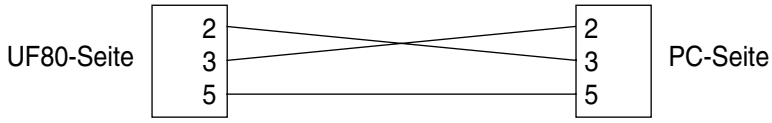
- Baudrate: 9600bps
- Paritätsbit: Keine Parität
- Stoppbitlänge: 1-bit
- Zeichenlänge: 8-bit
- Anfangscode: 0xB0
- Stoppcode: 0xBF
- Befehlscode: 4-byte

(Note1 2nd Rx data== 0x80)
Wenn 2nd-Rx-data ("ACK data") nicht 0X80 entspricht, ist das System mit anderen Operationen beschäftigt.
(Siehe auch Seite 8)
Mit dem Befehl "Message-Status" können Sie den aktuellen Status des Systems überprüfen und Kommandos senden. (AWC, usw.)





UF-80 RS232C Kabelverbindung



RS232C Befehls-Code (UF -80)

Befehl	PC sendet Daten an MICOM				PC erhält Daten von MICOM				Bemerkung
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
AWC	0 x 01	0 x 00	0 x 05	0 x 00	0 x 01	"ACK data"	0 x 05	0 x 00	
AF	0 x 02	0 x 00	0 x 05	0 x 00	0 x 02	"ACK data"	0 x 05	0 x 00	
Lamp ON	0 x 03	0 x 00	0 x 05	0 x 00	0 x 03	"ACK data"	0 x 05	0 x 00	
Lamp OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Internal	0 x 04	0 x 00	0 x 05	0 x 00	0 x 04	"ACK data"	0 x 05	0 x 00	
External		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Aperture ON	0 x 09	0 x 00	0 x 05	0 x 00	0 x 09	"ACK data"	0 x 05	0 x 00	
Aperture OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
FREQ 75Hz	0 x 0A	0 x 00	0 x 05	0 x 00	0 x 0A	"ACK data"	0 x 05	0 x 00	
FREQ 60Hz		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Power ON	0 x 0F	0 x 00	0 x 05	0 x 00	0 x 0F	"ACK data"	0 x 05	0 x 00	
Power OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Rotate OFF	0 x 11	0 x 00	0 x 05	0 x 00	0 x 11	"ACK data"	0 x 05	0 x 00	
Rotate 90°		0 x 00	0 x 08	0 x 00		"ACK data"	0 x 08	0 x 00	
Rotate 180°		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Rotate 270°		0 x 00	0 x 0D	0 x 00		"ACK data"	0 x 0D	0 x 00	

RS232C Befehls-Code (UF -80)

Befehl	PC sendet Daten an MICOM				PC erhält Daten von MICOM				Bemerkung
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Freeze ON	0 x 12	0 x 00	0 x 05	0 x 00	0 x 12	"ACK data"	0 x 05	0 x 00	
Freeze OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Image Save	0 x 13	0 x 00	Zahl	0 x 00	0 x 13	"ACK data"	Zahl	0 x 00	Bereich:"1~8"
Image Recall	0 x 14	0 x 00	Zahl	0 x 00	0 x 14	"ACK data"	Zahl	0 x 00	Bereich:"1~8"
[1)]Image Divide	0 x 15	0 x 00	Zahl	0 x 00	0 x 15	"ACK data"	Zahl	0 x 00	Bereich:"1~9"
Image Shift	0 x 16	0 x 00	0 x 05	0 x 00	0 x 16	"ACK data"	0 x 05	0 x 00	
Preset Save	0 x 17	0 x 00	Zahl	0 x 00	0 x 17	"ACK data"	Zahl	0 x 00	Bereich:"1~4"
Preset Exe	0 x 18	0 x 00	Zahl	0 x 00	0 x 18	"ACK data"	Zahl	0 x 00	
Recall, divide, 3x3 multi-screen Cancel	0 x1F	0 x 00	0 x 05	0 x 00	0 x 1F	"ACK data"	0 x 05	0 x 00	
Iris Up	0 x 21	0 x 00	0 x 05	0 x 00	0 x 21	"ACK data"	0 x 05	0 x 00	
Iris Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Red Up	0 x 23	0 x 00	0 x 05	0 x 00	0 x 23	"ACK data"	0 x 05	0 x 00	
Red Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Blue Up	0 x 24	0 x 00	0 x 05	0 x 00	0 x 24	"ACK data"	0 x 05	0 x 00	
Blue Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	

[Hinweis 1] Wird die Ziffer "9" unter Image Divide übertragen, startet das System die 3X3 Multibildschirmdarstellung.

RS232C Befehls-Code (UF -80)

Befehl	PC sendet Daten an MICOM				PC erhält Daten von MICOM				Bemerkung
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Focus FAR	0 x 25	0 x 00	0 x 05	0 x 00	0 x 25	"ACK data"	0 x 05	0 x 00	
Focus NEAR		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Zoom Tele	0 x 26	0 x 00	0 x 05	0 x 00	0 x 26	"ACK data"	0 x 05	0 x 00	
Zoom Wide		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Iris Target	0 x 41	0 x 00	0 x 00	"data"	0 x 41	"ACK data"	0 x 00	"data"	Bereich: "1~120"
Red Target	0 x 43	0 x 00	0 x 00	"data"	0 x 43	"ACK data"	0 x 00	"data"	Bereich: "1~200"
Blue Target	0 x 44	0 x 00	0 x 00	"data"	0 x 44	"ACK data"	0 x 00	"data"	Bereich: "1~200"
Focus Target	0 x 45	0 x 00	"MSB data"	"LSB data"	0 x 45	"ACK data"	"MSB data"	"LSB data"	[1]Bereich: "0~2225"
Zoom Target	0 x 46	0 x 00	"MSB data"	"LSB data"	0 x 46	"ACK data"	"MSB data"	"LSB data"	Bereich: "0~1904"
Focus/Zoom	0 x 47	0 x 05	"zoom MSB"	"zoom LSB"	0 x 47	"ACK data"	"zoom MSB"	"zoom LSB"	[1]Focus: "0~2225"
concurrent Target		0 x 0A	"focus MSB"	"focus LSB"		"ACK data"	"focus MSB"	"focus LSB"	Zoom: "0~1904"
[1]Drive Stop	0 x 2F	0 x 00	0 x 05	0 x 00	0 x 2D	"ACK data"	0 x 05	0 x 00	

[Hinweis 1] In Abhängigkeit vom Zoomfaktor wird der Fokuswert geändert. Vgl. dazu Seite 6 ("Focus-Status[Max]", "Focus-Status[Min]").

[Hinweis 2] Befehle jenseits des Wertes 10 (Iris up/down, Red up/down, Blue up/down, Focus far/near, Zoom tele/wide) werden nach Aufruf ganz ausgeführt.
"Drive Stop" kann diese Befehle an einem beliebiegen Punkt stoppen.

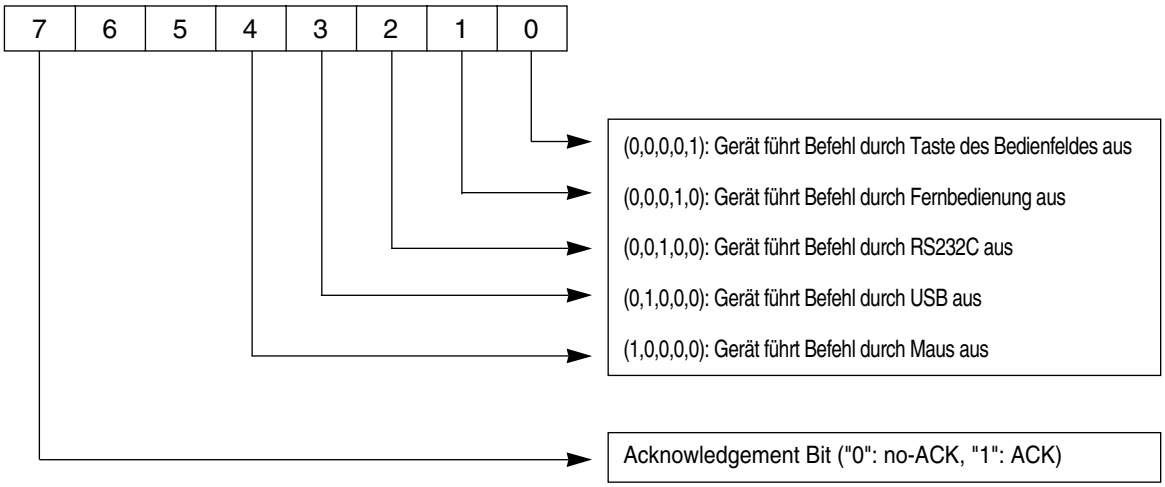
RS232C Befehls-Code (UF -80)

Befehl	PC sendet Daten an MICOM				PC erhält Daten von MICOM				Bemerkung
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Set-Status(Normal)	0 x 61	0 x 00	0 x 00	0 x 00	0 x 61	"ACK data"	Status(MSB)	Status(LSB)	Bit-Definition des Status' auf den Seiten 7, 8, 9.
Set-Status(Digital)	0 x 62	0 x 00	0 x 00	0 x 00	0 x 62	"ACK data"	Status(MSB)	Status(LSB)	
Message-Status	0 x 64	0 x 00	0 x 00	0 x 00	0 x 64	"ACK data"	Status(MSB)	Status(LSB)	
Iris-Status	0 x 65	0 x 00	0 x 00	0 x 00	0 x 65	"ACK data"	0 x 00	Status	Bereich:"1~120"
Red-Status	0 x 67	0 x 00	0 x 00	0 x 00	0 x 67	"ACK data"	0 x 00	Status	Bereich:"1~200"
Blue-Status	0 x 68	0 x 00	0 x 00	0 x 00	0 x 68	"ACK data"	0 x 00	Status	Bereich:"1~200"
Zoom-Status	0 x 69	0 x 00	0 x 00	0 x 00	0 x 69	"ACK data"	Status(MSB)	Status(LSB)	Bereich:"0~1904"
Focus-Status	0 x 6A	0 x 00	0 x 00	0 x 00	0 x 6A	"ACK data"	Status(MSB)	Status(LSB)	Bereich:"0~2225"
(1)Focus-Status(Max)	0 x 6B	0 x 00	0 x 05	0 x 00	0 x 6B	"ACK data"	Status(MSB)	Status(LSB)	Bereich:"648~2225"
(1)Focus-Status(Min)		0 x 00	0 x 0A	0 x 00		"ACK data"	Status(MSB)	Status(LSB)	Bereich:"0~1383"

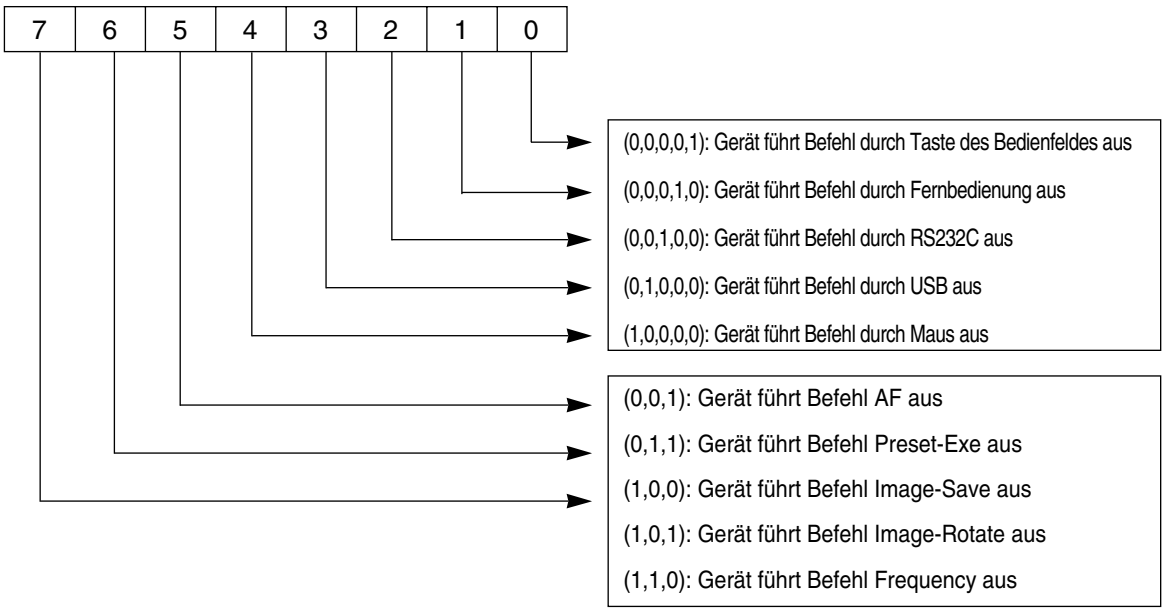
[Hinweis 1] Dieser Befehl gibt die Daten für FokusMaximum/Minimum für die aktuelle Zoomposition zurück.

RS232C Befehls-Code (UF -80)

■ Bitdefinition von "ACK data"



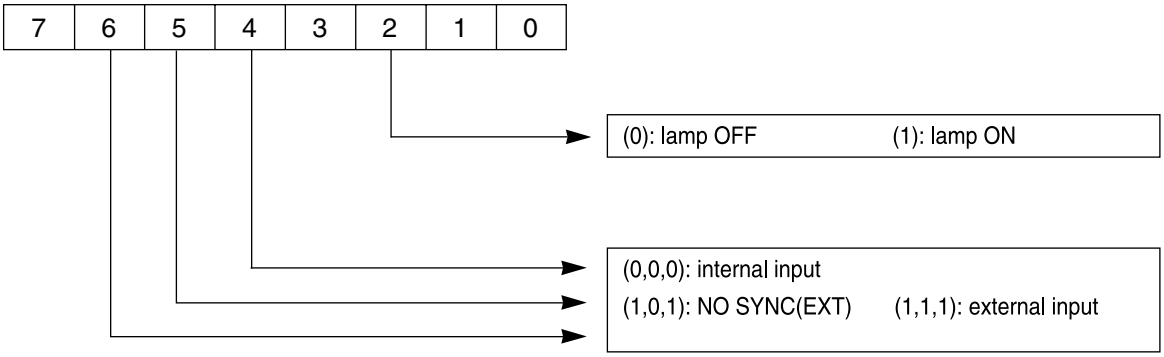
■ Statusbitdefinition des Befehls Message-Status



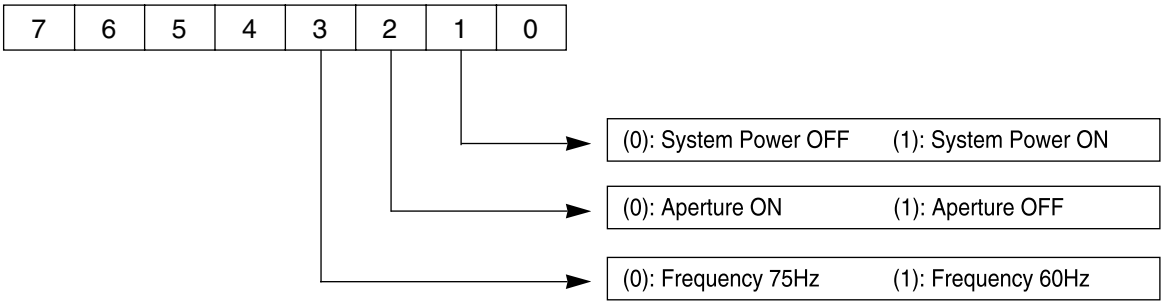
RS232C Befehls-Code (UF -80)

■ Statusbitdefinition des Befehls Set-Status

- LSB 8bit



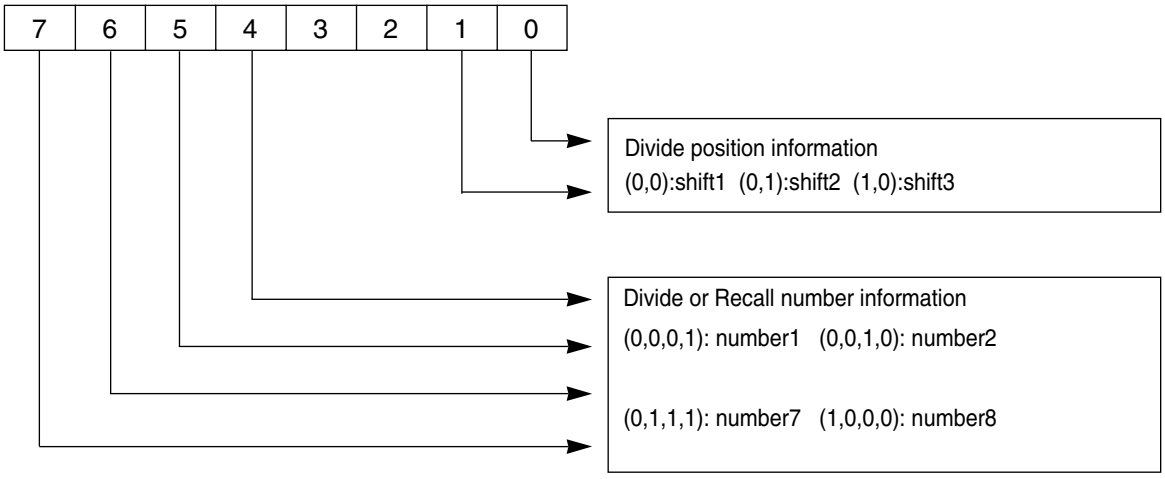
- MSB 8bit



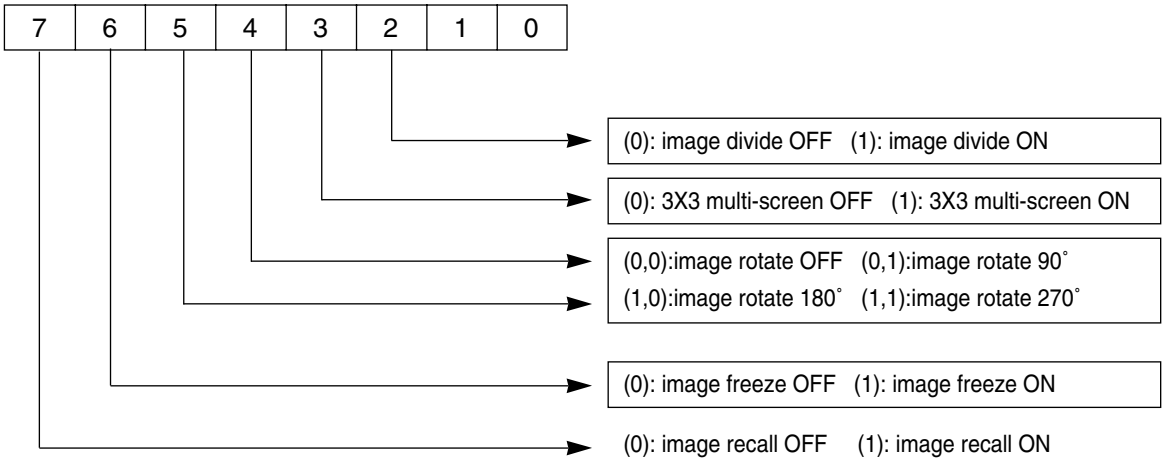
RS232C Befehls-Code (UF -80)

■ Statusbitdefinition des Befehls Set-Status(Digital)

- LSB 8bit



- MSB 8bit



Memo

SAMSUNG

English
French
German
Italian
Spanish
日本語

UF-80

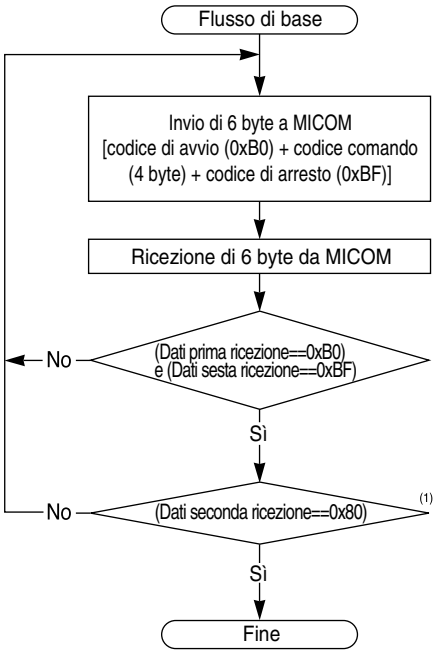
DIGITAL PRESENTER AD ALTA RISOLUZIONE
GUIDA DI RIFERIMENTO
PER L'INTERFACCIA RS-232C

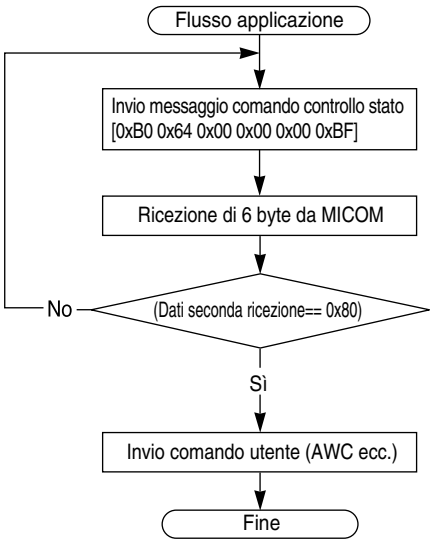
Prima di cercare di mettere in funzione il prodotto, leggere attentamente le istruzioni.
www.samsungpresenter.com

UF-80 RS232C Lato PC Diagramma di flusso

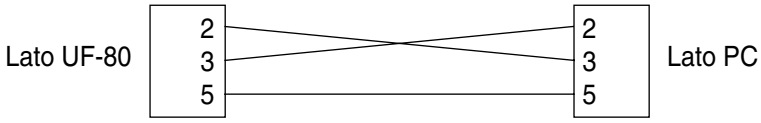
- Velocità in baud: 9600 bps
- Bit di parità: nessuna parità
- Lunghezza del bit di stop: 1 bit
- Lunghezza dei caratteri: 8 bit
- Codice di avvio: 0xB0
- Codice di arresto: 0xBF
- Codice comando: 4 byte

(Nota 1 Dati seconda ricezione== 0x80)
Se i dati della seconda ricezione ("dati ACK") sono diversi da 0x80, significa che il sistema sta eseguendo un'altra operazione.
(Consultare la pagina 8)
Con il comando "Stato messaggio" è possibile controllare lo stato corrente del sistema e inviare il comando utente. (AWC ecc.)





Collegamento del cavo RS232C con l'UF-80



Codice comandi RS232C (UF-80)

Commando	Il PC trasmette i dati a MICOM				Il PC riceve i dati da MICOM				Note
	1°	2°	3°	4°	1°	2°	3°	4°	
AWC	0 x 01	0 x 00	0 x 05	0 x 00	0 x 01	"Dati ACK"	0 x 05	0 x 00	
AF	0 x 02	0 x 00	0 x 05	0 x 00	0 x 02	"Dati ACK"	0 x 05	0 x 00	
Lamp ON	0 x 03	0 x 00	0 x 05	0 x 00	0 x 03	"Dati ACK"	0 x 05	0 x 00	
Lamp OFF		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Internal	0 x 04	0 x 00	0 x 05	0 x 00	0 x 04	"Dati ACK"	0 x 05	0 x 00	
External		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Aperture ON	0 x 09	0 x 00	0 x 05	0 x 00	0 x 09	"Dati ACK"	0 x 05	0 x 00	
Aperture OFF		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
FREQ 75Hz	0 x 0A	0 x 00	0 x 05	0 x 00	0 x 0A	"Dati ACK"	0 x 05	0 x 00	
FREQ 60Hz		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Power ON	0 x 0F	0 x 00	0 x 05	0 x 00	0 x 0F	"Dati ACK"	0 x 05	0 x 00	
Power OFF		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Rotate OFF	0 x 11	0 x 00	0 x 05	0 x 00	0 x 11	"Dati ACK"	0 x 05	0 x 00	
Rotate 90°		0 x 00	0 x 08	0 x 00		"Dati ACK"	0 x 08	0 x 00	
Rotate 180°		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Rotate 270°		0 x 00	0 x 0D	0 x 00		"Dati ACK"	0 x 0D	0 x 00	

Codice comandi RS232C (UF-80)

Comando	Il PC trasmette i dati a MICOM				Il PC riceve i dati da MICOM				NOTE
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Freeze ON	0 x 12	0 x 00	0 x 05	0 x 00	0 x 12	"Dati ACK"	0 x 05	0 x 00	
Freeze OFF		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Image Save	0 x 13	0 x 00	Numero	0 x 00	0 x 13	"Dati ACK"	Numero	0 x 00	Intervallo:"1~8"
Image Recall	0 x 14	0 x 00	Numero	0 x 00	0 x 14	"Dati ACK"	Numero	0 x 00	Intervallo:"1~8"
[1)]Image Divide	0 x 15	0 x 00	Numero	0 x 00	0 x 15	"Dati ACK"	Numero	0 x 00	Intervallo:"1~9"
Image Shift	0 x 16	0 x 00	0 x 05	0 x 00	0 x 16	"Dati ACK"	0 x 05	0 x 00	
Preset Save	0 x 17	0 x 00	Numero	0 x 00	0 x 17	"Dati ACK"	Numero	0 x 00	Intervallo:"1~4"
Preset Exe	0 x 18	0 x 00	Numero	0 x 00	0 x 18	"Dati ACK"	Numero	0 x 00	
Recall, divide, 3x3 multi-screen Cancel	0 x1F	0 x 00	0 x 05	0 x 00	0 x 1F	"Dati ACK"	0 x 05	0 x 00	
Iris Up	0 x 21	0 x 00	0 x 05	0 x 00	0 x 21	"Dati ACK"	0 x 05	0 x 00	
Iris Down		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Red Up	0 x 23	0 x 00	0 x 05	0 x 00	0 x 23	"Dati ACK"	0 x 05	0 x 00	
Red Down		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Blue Up	0 x 24	0 x 00	0 x 05	0 x 00	0 x 24	"Dati ACK"	0 x 05	0 x 00	
Blue Down		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	

[Nota 1] Se si trasmette il numero "9" in un comando di suddivisione dell'immagine, il sistema attiva la modalità multischermo 3X3.

Codice comandi RS232C (UF-80)

Comando	Il PC trasmette i dati a MICOM				Il PC riceve i dati da MICOM				Note
	1°	2°	3°	4°	1°	2°	3°	4°	
Focus FAR	0 x 25	0 x 00	0 x 05	0 x 00	0 x 25	"Dati ACK"	0 x 05	0 x 00	
Focus NEAR		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Zoom Tele	0 x 26	0 x 00	0 x 05	0 x 00	0 x 26	"Dati ACK"	0 x 05	0 x 00	
Zoom Wide		0 x 00	0 x 0A	0 x 00		"Dati ACK"	0 x 0A	0 x 00	
Iris Target	0 x 41	0 x 00	0 x 00	"dati"	0 x 41	"Dati ACK"	0 x 00	"dati"	Intervallo: "1~120"
Red Target	0 x 43	0 x 00	0 x 00	"dati"	0 x 43	"Dati ACK"	0 x 00	"dati"	Intervallo: "1~200"
Blue Target	0 x 44	0 x 00	0 x 00	"dati"	0 x 44	"Dati ACK"	0 x 00	""dati"	Intervallo: "1~200"
Focus Target	0 x 45	0 x 00	"Dati MSB"	"Dati LSB"	0 x 45	"Dati ACK"	"Dati MSB"	"Dati LSB"	(1)Intervallo: "0~2225"
Zoom Target	0 x 46	0 x 00	"Dati MSB"	"Dati LSB"	0 x 46	"Dati ACK"	"Dati MSB"	"Dati LSB"	Intervallo: "0~1904"
Focus/Zoom		0 x 05	"Zoom MSB"	"zoom LSB"		"Dati ACK"	"zoom MSB"	"zoom LSB"	(1)Messa a fuoco: "0~2225"
concurrent Target	0 x 47	0 x 0A	"Messa a fuoco MSB"	"Messa a fuoco LSB"	0 x 47	"Dati ACK"	"Messa a fuoco MSB"	"Messa a fuoco LSB"	Zoom: "0~1904"
(1)Drive Stop	0 x 2F	0 x 00	0 x 05	0 x 00	0 x 2D	"Dati ACK"	0 x 05	0 x 00	

[Nota 1] L'intervallo dei dati della messa a fuoco verrà modificato in base al livello di zoom. Per maggiori informazioni, vedere la pagina 6. ("Stato messa a fuoco [Max]", "Stato messa a fuoco [Min]")

[Nota 2] Una volta attivati, i 10 comandi precedenti (Diaframma su/giù, Rosso su/giù, Blu su/giù, Messa a fuoco lontana/vicina, Zoom teleobiettivo/grandangolo) vengono eseguiti fino in fondo.
Il comando "Drive Stop" è in grado di interrompere i comandi sopra citati nel punto desiderato.

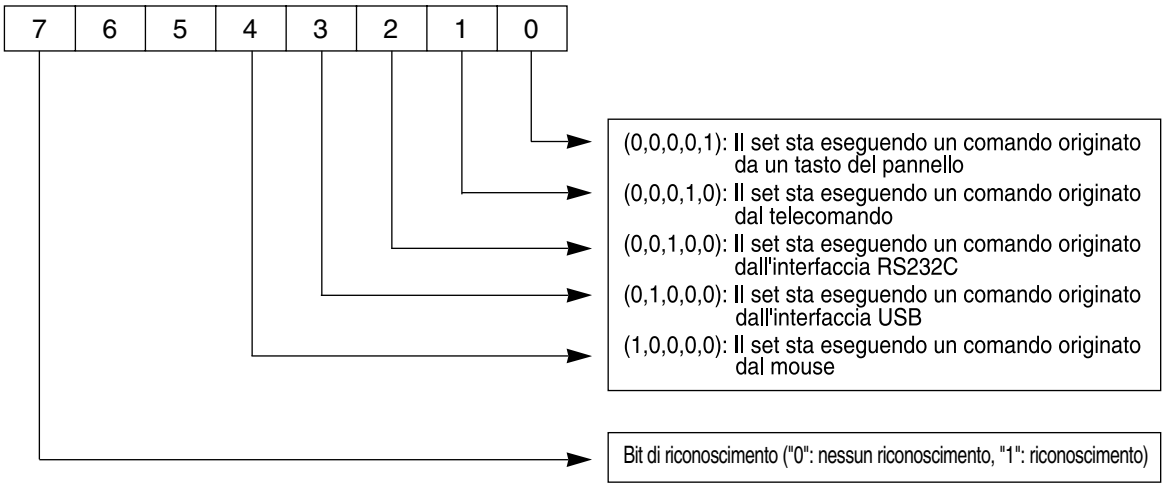
Codice comandi RS232C (UF-80)

Comando	Il PC trasmette i dati a MICOM				Il PC riceve i dati da MICOM				Note
	1°	2°	3°	4°	1°	2°	3°	4°	
Set-Status(Normal)		0 x 00	0 x 00	0 x 00	0 x 61	"Dati ACK"	Stato (MSB)	Stato (LSB)	La definizione dei bit di stato è riportata alle pagine 7, 8 e 9
Set-Status(Digital)		0 x 00	0 x 00	0 x 00	0 x 62	"Dati ACK"	Stato (MSB)	Stato (LSB)	
Message-Status		0 x 00	0 x 00	0 x 00	0 x 64	"Dati ACK"	Stato (MSB)	Stato (LSB)	
Iris-Status		0 x 00	0 x 00	0 x 00	0 x 65	"Dati ACK"	0 x 00	Stato	Intervallo:"1~120"
Red-Status		0 x 00	0 x 00	0 x 00	0 x 67	"Dati ACK"	0 x 00	Stato	Intervallo:"1~200"
Blue-Status		0 x 00	0 x 00	0 x 00	0 x 68	"Dati ACK"	0 x 00	Stato	Intervallo:"1~200"
Zoom-Status		0 x 00	0 x 00	0 x 00	0 x 69	"Dati ACK"	Stato (MSB)	Stato (LSB)	Intervallo:"0~1904"
Focus-Status		0 x 00	0 x 00	0 x 00	0 x 6A	"Dati ACK"	Stato (MSB)	Stato (LSB)	Intervallo:"0~2225"
(1)Focus-Status(Max)		0 x 00	0 x 05	0 x 00	0 x 6B	"Dati ACK"	Stato (MSB)	Stato (LSB)	Intervallo:"648~2225"
(1)Focus-Status(Min)		0 x 00	0 x 0A	0 x 00		"Dati ACK"	Stato (MSB)	Stato (LSB)	Intervallo:"0~1383"

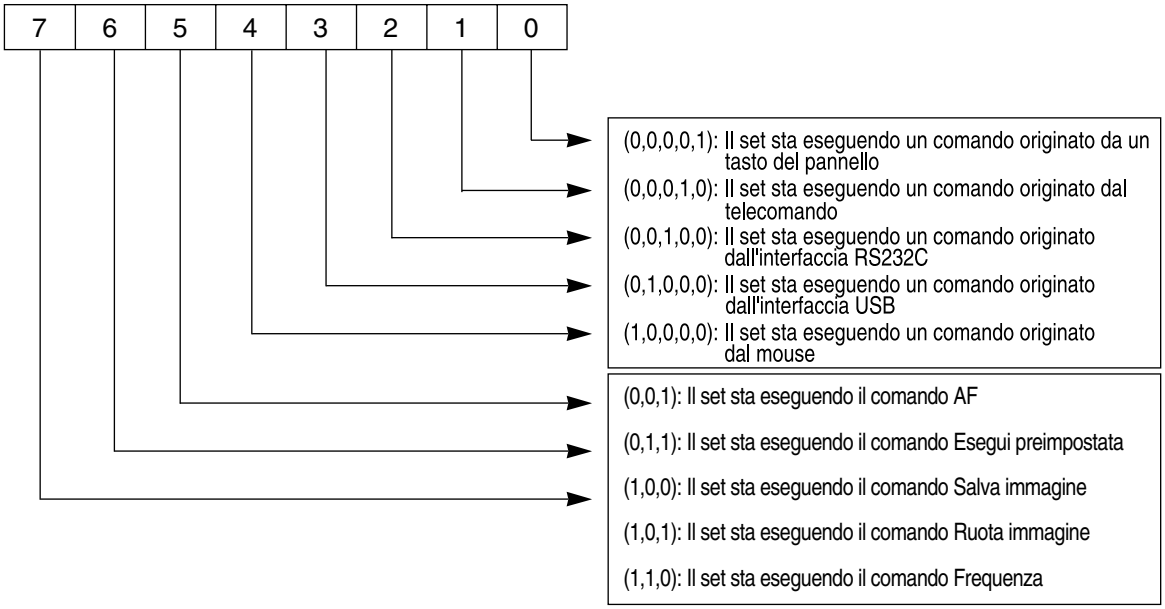
[Nota 1] Questo comando riporta i dati con messa a fuoco massima/minima alla posizione di zoom corrente.

Codice comandi RS232C (UF-80)

■ Definizione in bit dei "dati ACK"



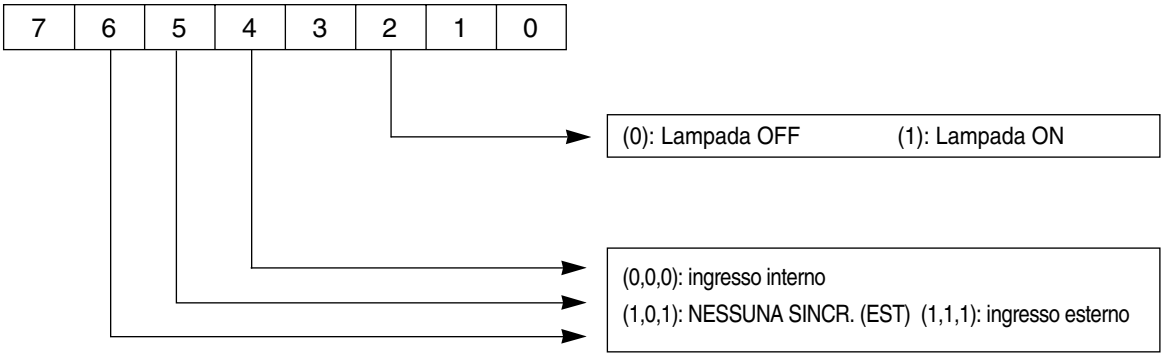
■ Definizione dei bit di stato per mezzo del comando stato messaggio



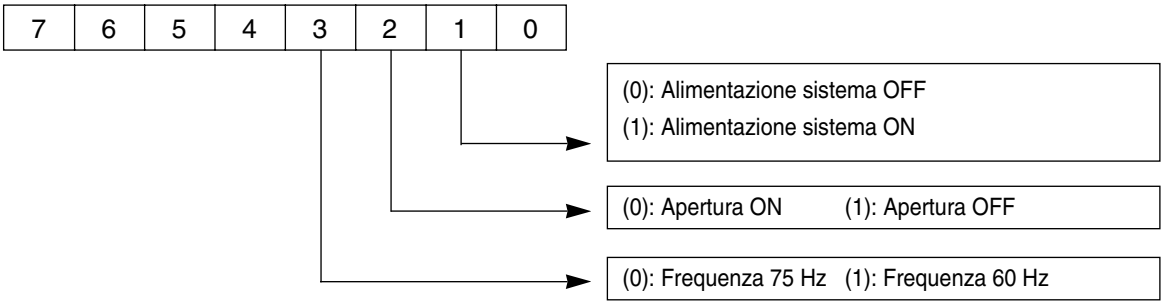
Codice comandi RS232C (UF-80)

■ Definizione dei bit di stato per mezzo del comando Imposta stato

- LSB 8bit



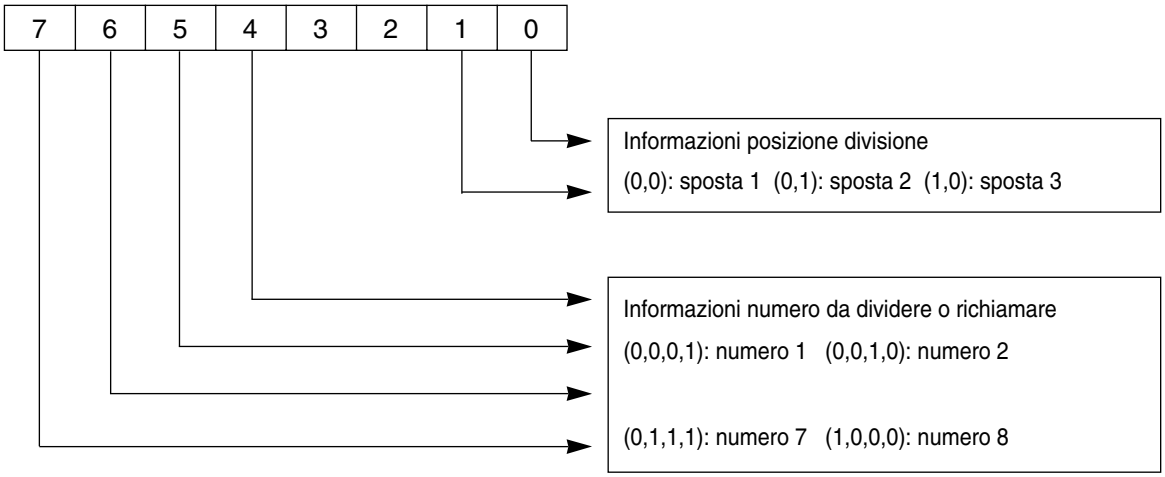
- MSB 8bit



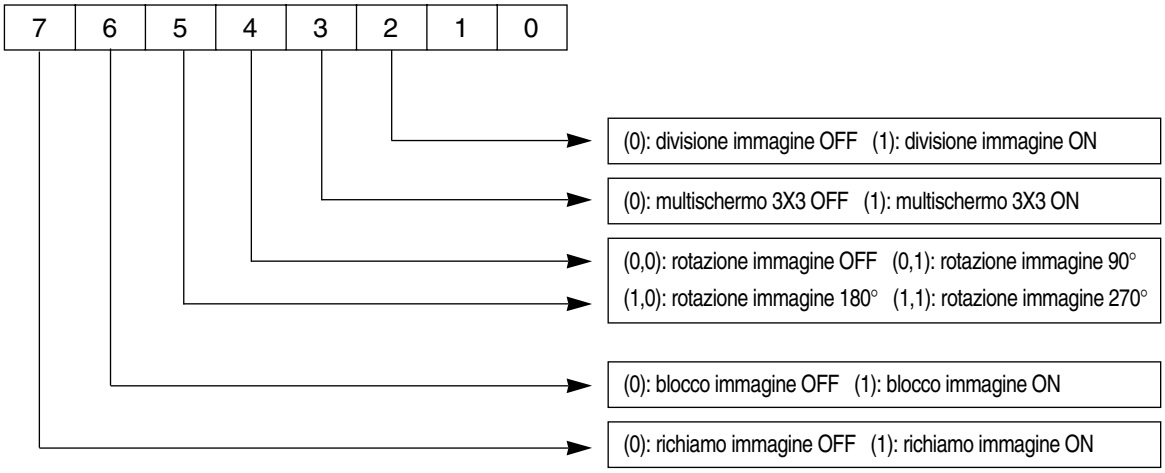
Codice comandi RS232C (UF-80)

■ Definizione dei bit di stato per mezzo del comando Imposta stato (Digitale)

- LSB 8bit



- MSB 8bit



Memo

SAMSUNG

English
French
German
Italian
Spanish
日本語

UF-80

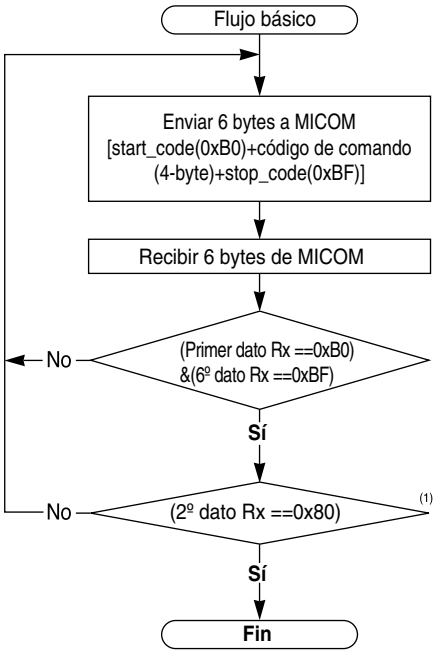
REFERENCIA DEL PRESENTADOR DIGITAL RS-232C DE ALTA RESOLUCIÓN

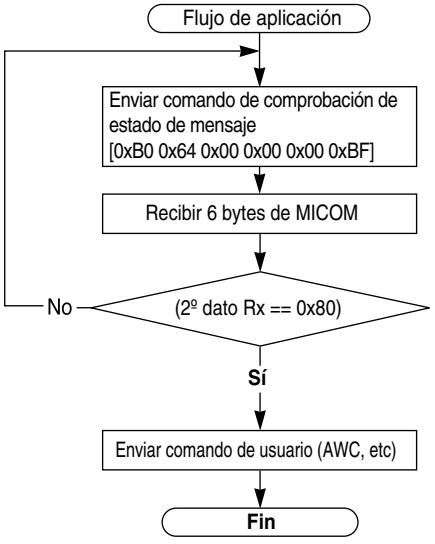
Antes de manejar este producto, lea las instrucciones atentamente.
www.samsungpresenter.com

Flujograma del lado del ordenador de UF-80 RS232C

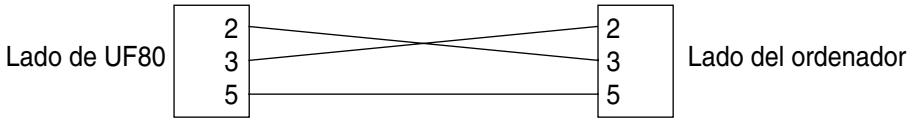
- Velocidad de baudios: 9600 bps
- Paridad de bits: Sin paridad
- Longitud de bits de parada: 1 bit
- Longitud de caracteres: 8 bits
- Código de inicio: 0xB0
- Código de parada: 0xBF
- Código de comando: 4 bytes

(Nota 1: 2º dato Rx == 0x80)
(Consulte la página 8).
Con el comando "Message-Status", puede comprobar el estado actual del sistema y enviar el comando de usuario. (AWC, etc)





Conexión de cables de UF-80 RS232C



Código de comando de RS232C (UF-80)

Comando	Datos de transmisión del ordenador a MICOM				Datos de recepción del ordenador desde MICOM				Observación
	1˚	2˚	3˚	4˚	1˚	2˚	3˚	4˚	
AWC	0 x 01	0 x 00	0 x 05	0 x 00	0 x 01	"ACK data"	0 x 05	0 x 00	
AF	0 x 02	0 x 00	0 x 05	0 x 00	0 x 02	"ACK data"	0 x 05	0 x 00	
Lamp ON	0 x 03	0 x 00	0 x 05	0 x 00	0 x 03	"ACK data"	0 x 05	0 x 00	
Lamp OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Internal	0 x 04	0 x 00	0 x 05	0 x 00	0 x 04	"ACK data"	0 x 05	0 x 00	
External		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Aperture ON	0 x 09	0 x 00	0 x 05	0 x 00	0 x 09	"ACK data"	0 x 05	0 x 00	
Aperture OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
FREQ 75Hz	0 x 0A	0 x 00	0 x 05	0 x 00	0 x 0A	"ACK data"	0 x 05	0 x 00	
FREQ 60Hz		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Power ON	0 x 0F	0 x 00	0 x 05	0 x 00	0 x 0F	"ACK data"	0 x 05	0 x 00	
Power OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Rotate OFF	0 x 11	0 x 00	0 x 05	0 x 00	0 x 11	"ACK data"	0 x 05	0 x 00	
Rotate 90°		0 x 00	0 x 08	0 x 00		"ACK data"	0 x 08	0 x 00	
Rotate 180°		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Rotate 270°		0 x 00	0 x 0D	0 x 00		"ACK data"	0 x 0D	0 x 00	

Código de comando de RS232C (UF-80)

Command	Datos de transmisión del ordenador a MICOM				Datos de recepción del ordenador desde MICOM				OBSERVACIÓN
	1˚	2˚	3˚	4˚	1˚	2˚	3˚	4˚	
Freeze ON	0 x 12	0 x 00	0 x 05	0 x 00	0 x 12	"ACK data"	0 x 05	0 x 00	
Freeze OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Image Save	0 x 13	0 x 00	Número	0 x 00	0 x 13	"ACK data"	Number	0 x 00	Intervalo:"1~8"
Image Recall	0 x 14	0 x 00	Número	0 x 00	0 x 14	"ACK data"	Number	0 x 00	Intervalo:"1~8"
[1)]Image Divide	0 x 15	0 x 00	Número	0 x 00	0 x 15	"ACK data"	Number	0 x 00	Intervalo:"1~9"
Image Shift	0 x 16	0 x 00	0 x 05	0 x 00	0 x 16	"ACK data"	0 x 05	0 x 00	
Preset Save	0 x 17	0 x 00	Número	0 x 00	0 x 17	"ACK data"	Number	0 x 00	Intervalo:"1~4"
Preset Exe	0 x 18	0 x 00	Número	0 x 00	0 x 18	"ACK data"	Number	0 x 00	
Recall, divide, 3x3 multi-screen Cancel	0 x1F	0 x 00	0 x 05	0 x 00	0 x 1F	"ACK data"	0 x 05	0 x 00	
Iris Up	0 x 21	0 x 00	0 x 05	0 x 00	0 x 21	"ACK data"	0 x 05	0 x 00	
Iris Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Red Up	0 x 23	0 x 00	0 x 05	0 x 00	0 x 23	"ACK data"	0 x 05	0 x 00	
Red Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Blue Up	0 x 24	0 x 00	0 x 05	0 x 00	0 x 24	"ACK data"	0 x 05	0 x 00	
Blue Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	

[Nota 1] Mediante la transmisión del número "9" en el comando de división de imagen, el sistema ejecuta el modo de multipantalla 3 X 3.

Código de comando de RS232C (UF-80)

Comando	Datos de transmisión del ordenador a MICOM				Datos de recepción del ordenador a MICOM				Observación
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Focus FAR	0 x 25	0 x 00	0 x 05	0 x 00	0 x 25	"ACK data"	0 x 05	0 x 00	
Focus NEAR		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Zoom Tele	0 x 26	0 x 00	0 x 05	0 x 00	0 x 26	"ACK data"	0 x 05	0 x 00	
Zoom Wide		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Iris Target	0 x 41	0 x 00	0 x 00	"datos"	0 x 41	"ACK data"	0 x 00	"datos"	Intervalo: "1~120"
Red Target	0 x 43	0 x 00	0 x 00	"datos"	0 x 43	"ACK data"	0 x 00	"datos"	Intervalo: "1~200"
Blue Target	0 x 44	0 x 00	0 x 00	"datos"	0 x 44	"ACK data"	0 x 00	"datos"	Intervalo: "1~200"
Focus Target	0 x 45	0 x 00	"datos MSB"	"datos LSB"	0 x 45	"ACK data"	"datos MSB"	"datos LSB"	(1)Intervalo: "0~2225"
Zoom Target	0 x 46	0 x 00	"datos MSB"	"datos LSB"	0 x 46	"ACK data"	"datos MSB"	"datos LSB"	Intervalo: "0~1904"
Focus/Zoom	0 x 47	0 x 05	"zoom MSB"	"zoom LSB"	0 x 47	"ACK data"	"zoom MSB"	"zoom LSB"	(1)Focus: "0~2225"
concurrent Target		0 x 0A	"focus MSB"	"focus LSB"		"ACK data"	"focus MSB"	"focus LSB"	Zoom: "0~1904"
(1)Drive Stop	0 x 2F	0 x 00	0 x 05	0 x 00	0 x 2D	"ACK data"	0 x 05	0 x 00	

[Nota 1] En función de la cantidad de zoom, cambiará el intervalo de datos de enfoque. Puede consultarlo en la página 6. ("Focus-Status[Max]", "Focus-Status[Min]")

[Nota 2] El comando 10 superior (Iris up/down, Red up/down, Blue up/down, Focus far/near, Zoom tele/wide) se iniciará en cuanto lo ejecute.
"Drive Stop" puede detener esos comandos en el punto que desee.

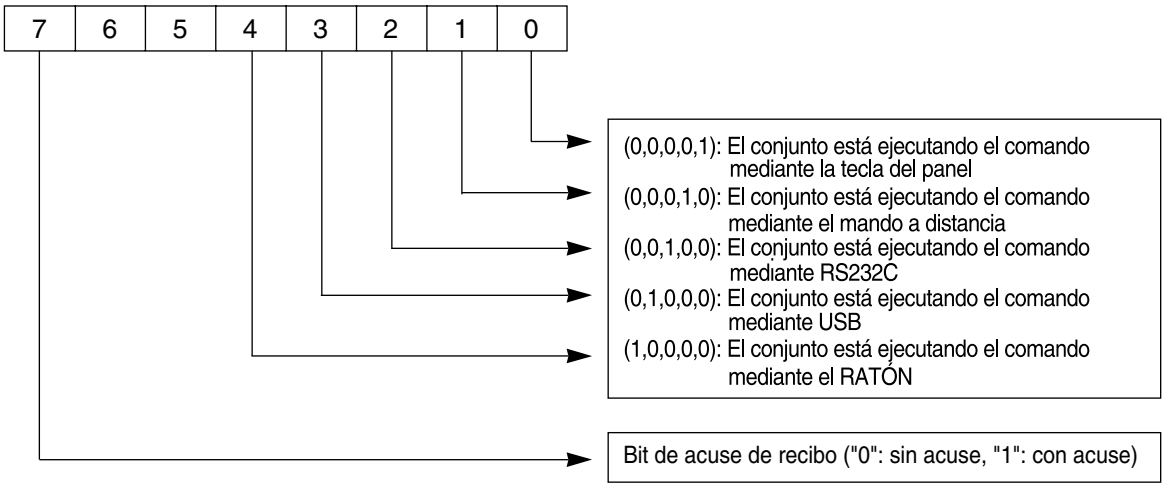
Código de comando de RS232C (UF-80)

Comando	Datos de transmisión del ordenador a MICOM				Datos de recepción del ordenador a MICOM				Observación
	1˚	2˚	3˚	4˚	1˚	2˚	3˚	4˚	
Set-Status(Normal)	0 x 61	0 x 00	0 x 00	0 x 00	0 x 61	"ACK data"	Estado (MSB)	Estado (LSB)	Definición páginas, 7, 8, 9
Set-Status(Digital)	0 x 62	0 x 00	0 x 00	0 x 00	0 x 62	"ACK data"	Estado (MSB)	Estado (LSB)	
Message-Status	0 x 64	0 x 00	0 x 00	0 x 00	0 x 64	"ACK data"	Estado (MSB)	Estado (LSB)	
Iris-Status	0 x 65	0 x 00	0 x 00	0 x 00	0 x 65	"ACK data"	0 x 00	Estado	Intervalo:"1~120"
Red-Status	0 x 67	0 x 00	0 x 00	0 x 00	0 x 67	"ACK data"	0 x 00	Estado	Intervalo:"1~200"
Blue-Status	0 x 68	0 x 00	0 x 00	0 x 00	0 x 68	"ACK data"	0 x 00	Estado	Intervalo:"1~200"
Zoom-Status	0 x 69	0 x 00	0 x 00	0 x 00	0 x 69	"ACK data"	Estado (MSB)	Estado (LSB)	Intervalo:"0~1904"
Focus-Status	0 x 6A	0 x 00	0 x 00	0 x 00	0 x 6A	"ACK data"	Estado (MSB)	Estado (LSB)	Intervalo:"0~2225"
[(1)]Focus-Status(Max)	0 x 6B	0 x 00	0 x 05	0 x 00	0 x 6B	"ACK data"	Estado (MSB)	Estado (LSB)	Intervalo:"648~2225"
[(1)]Focus-Status(Min)		0 x 00	0 x 0A	0 x 00		"ACK data"	Estado (MSB)	Estado (LSB)	Intervalo:"0~1383"

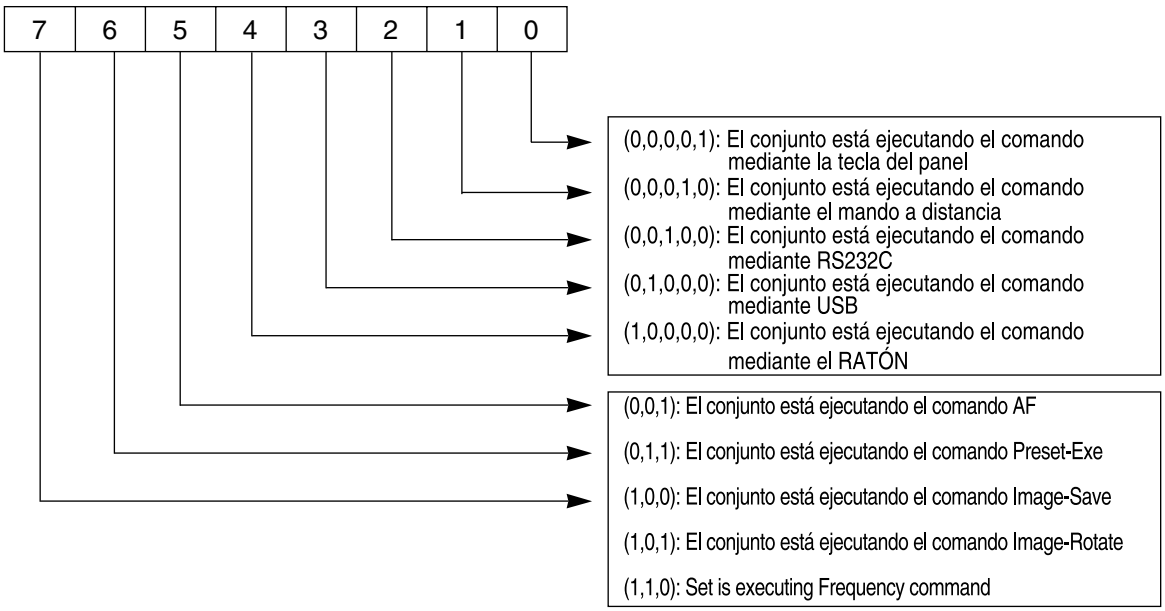
[Nota 1] Este comando devuelve los datos máximos y mínimos de enfoque a la posición de zoom actual.

Código de comando de RS232C (UF-80)

■ Definición de bits de "ACK data"



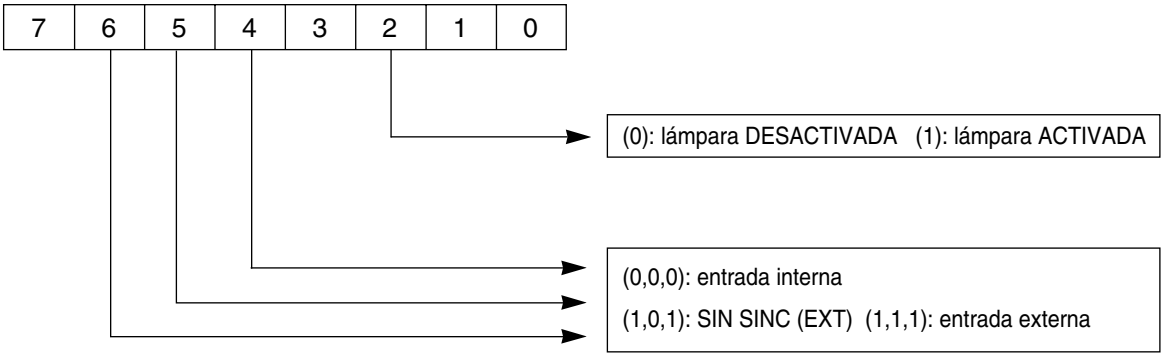
■ Definición de bits de estado mediante el comando de estado de mensaje



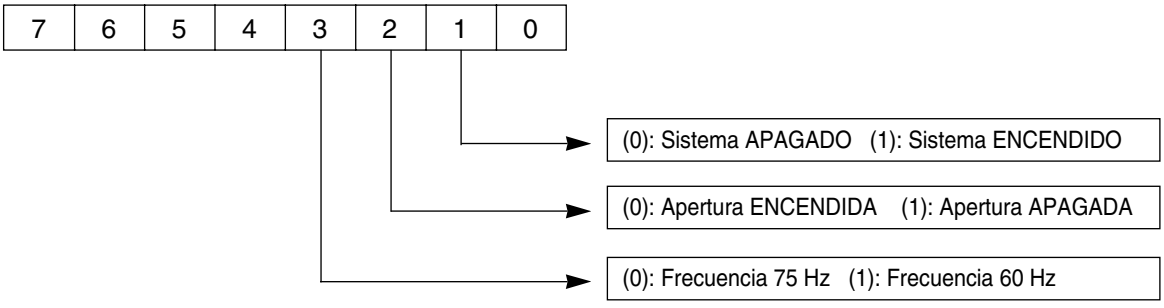
Código de comando de RS232C (UF-80)

■ Definición de bits de estado mediante el comando de estado de conjunto

- LSB 8bit



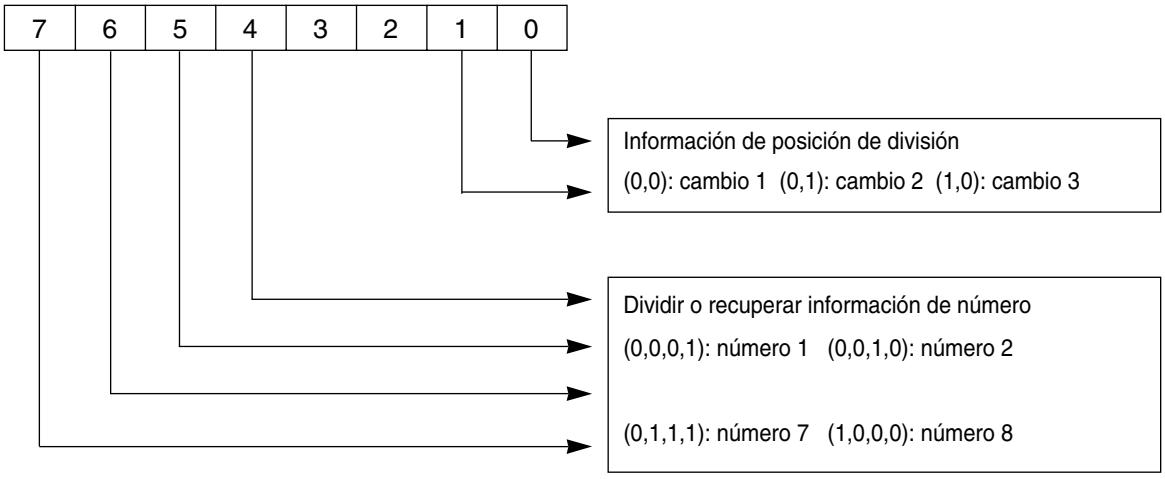
- MSB 8bit



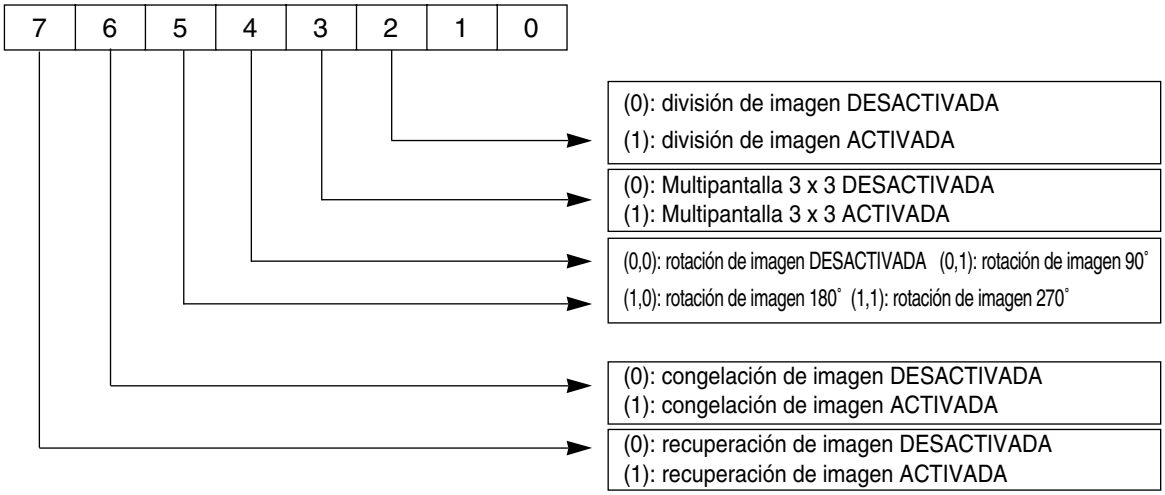
RS232C COMMAND CODE (UF-80)

■ Definición de bits de estado mediante el comando de estado de conjunto (digital)

- LSB 8bit



- MSB 8bit



Memo

SAMSUNG

English
French
German
Italian
Spanish
日本語

UF-80

高解像DIGITAL PRESENTER
RS-232C参考資料

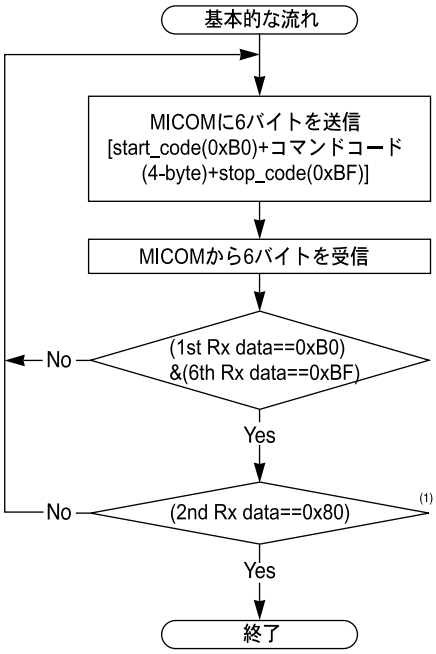
本製品の操作を開始する前に、指示書に十分目を通すようにしてください。

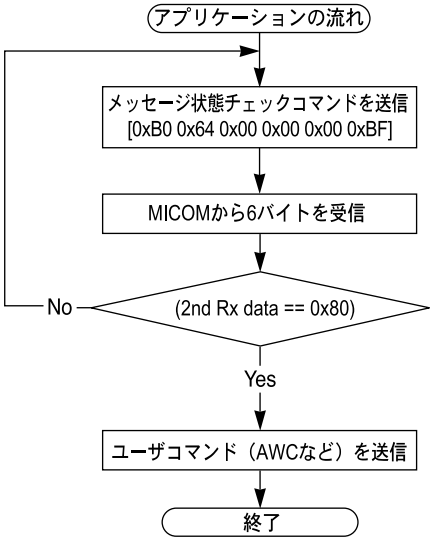
www.samsungpresenter.com

UF-80 RS232C PC側のフローチャート

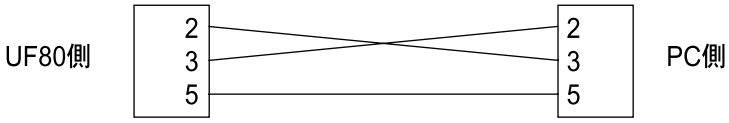
- ボーレート: 9600bps
- パリティ: なし
- 停止ビット長: 1ビット
- 文字長: 8ビット
- 開始コード: 0xB0
- 停止コード: 0xBF
- コマンドコード: 4/バイト

（注1 2nd Rx data== 0x80）
2nd-Rx-data（"ACK data"）が0x80でない場合、システムが他の動作を行っていることになります。
（8ページで確認）
コマンド"Message-Status"を使用することで、システムの現在の状態を確認し、ユーザコマンド（AWCなど）を送信することができます。





UF-80 RS232Cケーブル接続



RS232Cコマンドコード（UF-80）

コマンド	PCからMICOMへの伝送データ				PCのMICOMからの受信データ				摘要
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
AWC	0 x 01	0 x 00	0 x 05	0 x 00	0 x 01	"ACK data"	0 x 05	0 x 00	
AF	0 x 02	0 x 00	0 x 05	0 x 00	0 x 02	"ACK data"	0 x 05	0 x 00	
Lamp ON	0 x 03	0 x 00	0 x 05	0 x 00	0 x 03	"ACK data"	0 x 05	0 x 00	
Lamp OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Internal	0 x 04	0 x 00	0 x 05	0 x 00	0 x 04	"ACK data"	0 x 05	0 x 00	
External		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Aperture ON	0 x 09	0 x 00	0 x 05	0 x 00	0 x 09	"ACK data"	0 x 05	0 x 00	
Aperture OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
FREQ 75Hz	0 x 0A	0 x 00	0 x 05	0 x 00	0 x 0A	"ACK data"	0 x 05	0 x 00	
FREQ 60Hz		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Power ON	0 x 0F	0 x 00	0 x 05	0 x 00	0 x 0F	"ACK data"	0 x 05	0 x 00	
Power OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Rotate OFF	0 x 11	0 x 00	0 x 05	0 x 00	0 x 11	"ACK data"	0 x 05	0 x 00	
Rotate 90°		0 x 00	0 x 08	0 x 00		"ACK data"	0 x 08	0 x 00	
Rotate 180°		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Rotate 360°		0 x 00	0 x 0D	0 x 00		"ACK data"	0 x 0D	0 x 00	

RS232Cコマンドコード（UF-80）

コマンド	PCからMICOMへの伝送データ				PCのMICOMからの受信データ				摘要
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Freeze ON	0 x 12	0 x 00	0 x 05	0 x 00	0 x 12	"ACK data"	0 x 05	0 x 00	
Freeze OFF		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Image Save	0 x 13	0 x 00	数字	0 x 00	0 x 13	"ACK data"	数字	0 x 00	範囲: "1~8"
Image Recall	0 x 14	0 x 00	数字	0 x 00	0 x 14	"ACK data"	数字	0 x 00	範囲:"1~8"
[1]Image Divide	0 x 15	0 x 00	数字	0 x 00	0 x 15	"ACK data"	数字	0 x 00	範囲:"1~9"
Image Shift	0 x 16	0 x 00	0 x 05	0 x 00	0 x 16	"ACK data"	0 x 05	0 x 00	
Preset Save	0 x 17	0 x 00	数字	0 x 00	0 x 17	"ACK data"	数字	0 x 00	範囲:"1~4"
Preset Exe	0 x 18	0 x 00	数字	0 x 00	0 x 18	"ACK data"	数字	0 x 00	
Recall, divide, 3x3 multi-screen Cancel	0 x1F	0 x 00	0 x 05	0 x 00	0 x 1F	"ACK data"	0 x 05	0 x 00	
Iris Up	0 x 21	0 x 00	0 x 05	0 x 00	0 x 21	"ACK data"	0 x 05	0 x 00	
Iris Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Red Up	0 x 23	0 x 00	0 x 05	0 x 00	0 x 23	"ACK data"	0 x 05	0 x 00	
Red Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Blue Up	0 x 24	0 x 00	0 x 05	0 x 00	0 x 24	"ACK data"	0 x 05	0 x 00	
Blue Down		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	

[注1] 画像分割コマンド(image divide)で数字[9]を送信すると、システムは3X3マルチスクリーンモードを実行します。

RS232Cコマンドコード（UF-80）

コマンド	PCからMICOMへの伝送データ				PCのMICOMからの受信データ				摘要
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Focus FAR	0 x 25	0 x 00	0 x 05	0 x 00	0 x 25	"ACK data"	0 x 05	0 x 00	
Focus NEAR		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Zoom Tele	0 x 26	0 x 00	0 x 05	0 x 00	0 x 26	"ACK data"	0 x 05	0 x 00	
Zoom Wide		0 x 00	0 x 0A	0 x 00		"ACK data"	0 x 0A	0 x 00	
Iris Target	0 x 41	0 x 00	0 x 00	"data"	0 x 41	"ACK data"	0 x 00	"data"	範囲: "1~120"
Red Target	0 x 43	0 x 00	0 x 00	"data"	0 x 43	"ACK data"	0 x 00	"data"	範囲: "1~200"
Blue Target	0 x 44	0 x 00	0 x 00	"data"	0 x 44	"ACK data"	0 x 00	"data"	範囲: "1~200"
Focus Target	0 x 45	0 x 00	"MSB data"	"LSB data"	0 x 45	"ACK data"	"MSB data"	"LSB data"	(1)範囲: "0~2225"
Zoom Target	0 x 46	0 x 00	"MSB data"	"LSB data"	0 x 46	"ACK data"	"MSB data"	"LSB data"	範囲: "0~1904"
Focus/Zoom	0 x 47	0 x 05	"zoom MSB"	"zoom LSB"	0 x 47	"ACK data"	"zoom MSB"	"zoom LSB"	(1)焦点: "0~2225"
concurrent Target		0 x 0A	"focus MSB"	"focus LSB"		"ACK data"	"focus MSB"	"focus LSB"	ズーム: "0~1904"
(1)Drive Stop	0 x 2F	0 x 00	0 x 05	0 x 00	0 x 2D	"ACK data"	0 x 05	0 x 00	

[注1] ズーム量により、フォーカスデータの範囲は変化します。6ページを参照して計算できます（"Focus-Status[Max]", "Focus-Status[Min]"）。

[注2] 上記の10のコマンド（Iris up/down、Red up/down、Blue up/down、Focus far/near、Zoom tele/wide）は、実行後、常に有効になります。
"Drive Stop"を実行すると、必要な特定のポイントでコマンドを停止できます。

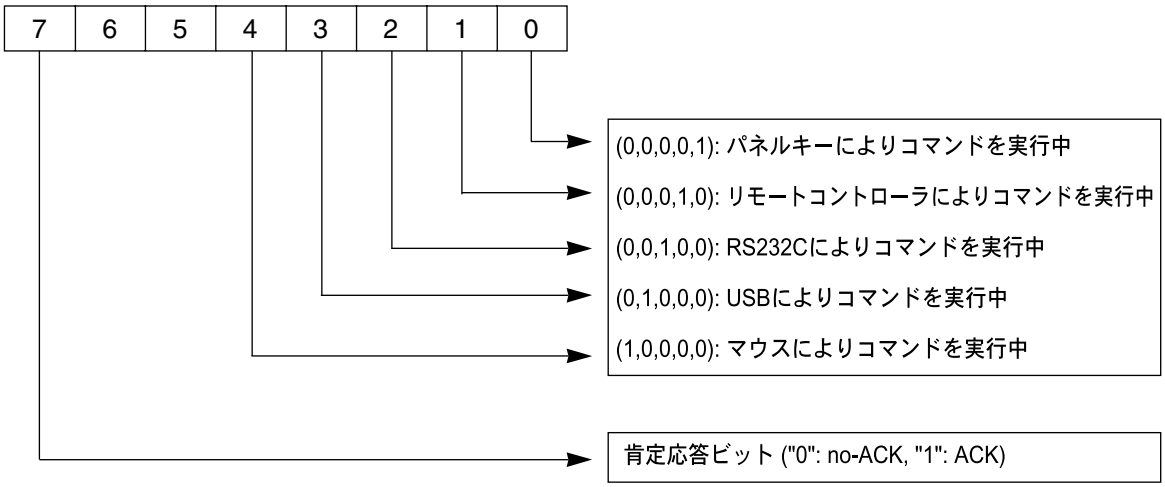
RS232Cコマンドコード（UF-80）

コマンド	PCからMICOMへの伝送データ				PCのMICOMからの受信データ				摘要
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
Set-Status(Normal)	0 x 61	0 x 00	0 x 00	0 x 00	0 x 61	"ACK data"	状態(MSB)	状態(LSB)	Statusのビット定義は7、8、9ページに提示
Set-Status(Digital)	0 x 62	0 x 00	0 x 00	0 x 00	0 x 62	"ACK data"	状態(MSB)	状態(LSB)	
Message-Status	0 x 64	0 x 00	0 x 00	0 x 00	0 x 64	"ACK data"	状態(MSB)	状態(LSB)	
Iris-Status	0 x 65	0 x 00	0 x 00	0 x 00	0 x 65	"ACK data"	0 x 00	状態	範囲::"1~120"
Red-Status	0 x 67	0 x 00	0 x 00	0 x 00	0 x 67	"ACK data"	0 x 00	状態	範囲:"1~200"
Blue-Status	0 x 68	0 x 00	0 x 00	0 x 00	0 x 68	"ACK data"	0 x 00	状態	範囲:"1~200"
Zoom-Status	0 x 69	0 x 00	0 x 00	0 x 00	0 x 69	"ACK data"	状態(MSB)	状態(LSB)	範囲:"0~1904"
Focus-Status	0 x 6A	0 x 00	0 x 00	0 x 00	0 x 6A	"ACK data"	状態(MSB)	状態(LSB)	範囲:"0~2225"
(1)Focus-Status(Max)	0 x 6B	0 x 00	0 x 05	0 x 00	0 x 6B	"ACK data"	状態(MSB)	状態(LSB)	範囲:"648~2225"
(1)Focus-Status(Min)		0 x 00	0 x 0A	0 x 00		"ACK data"	状態(MSB)	状態(LSB)	範囲:"0~1383"

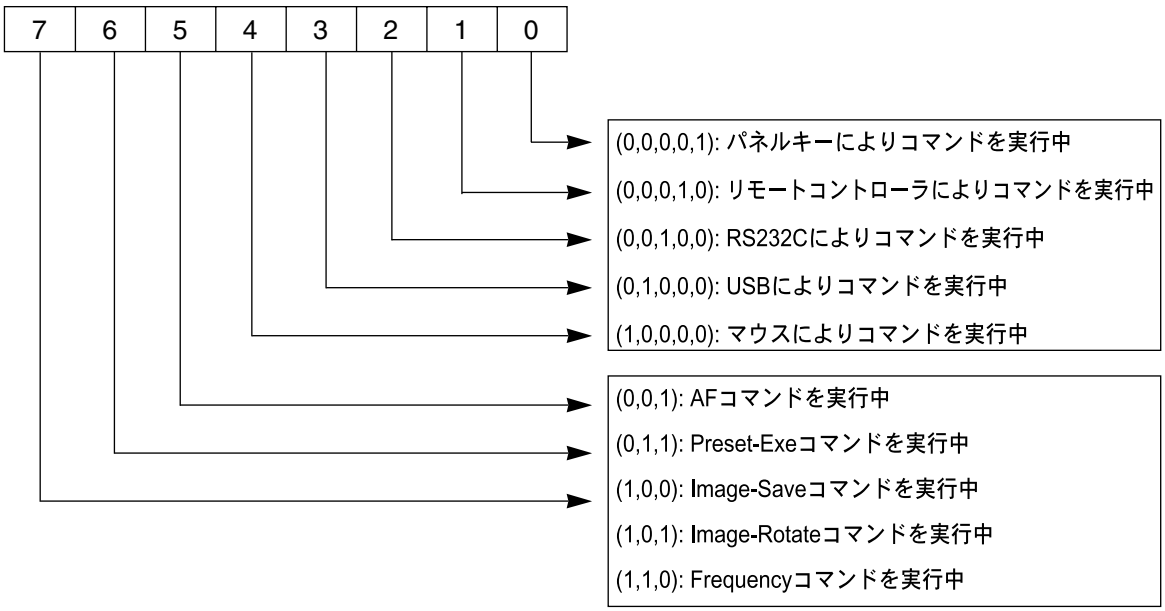
[注1] このコマンドにより、現在のズーム位置で焦点の最大/最小データに戻ります。

RS232Cコマンドコード（UF-80）

■ "ACK data"のビット定義

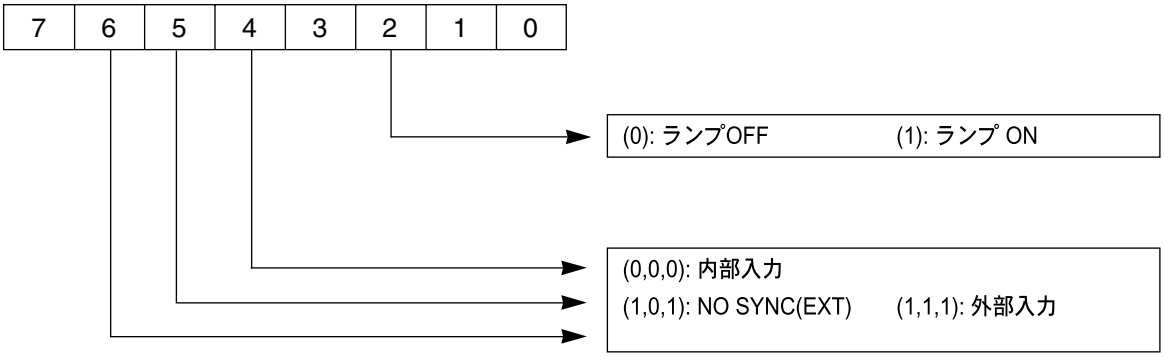


■ Message-Statusコマンドの状態ビット定義

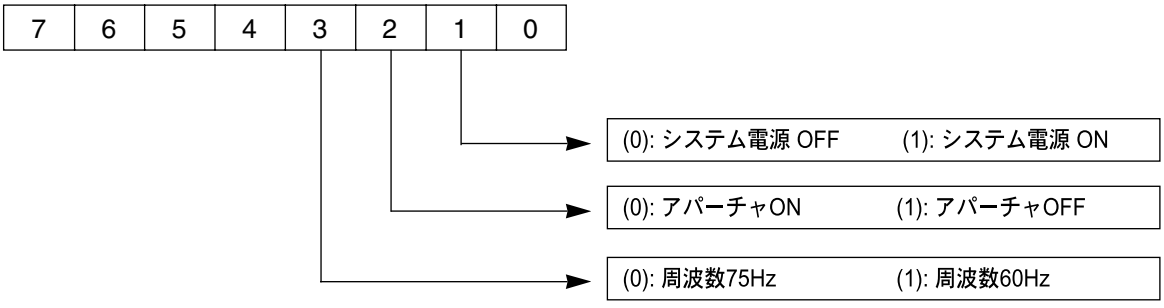


■ Set-Statusコマンドによる状態ビット定義

- LSB 8bit



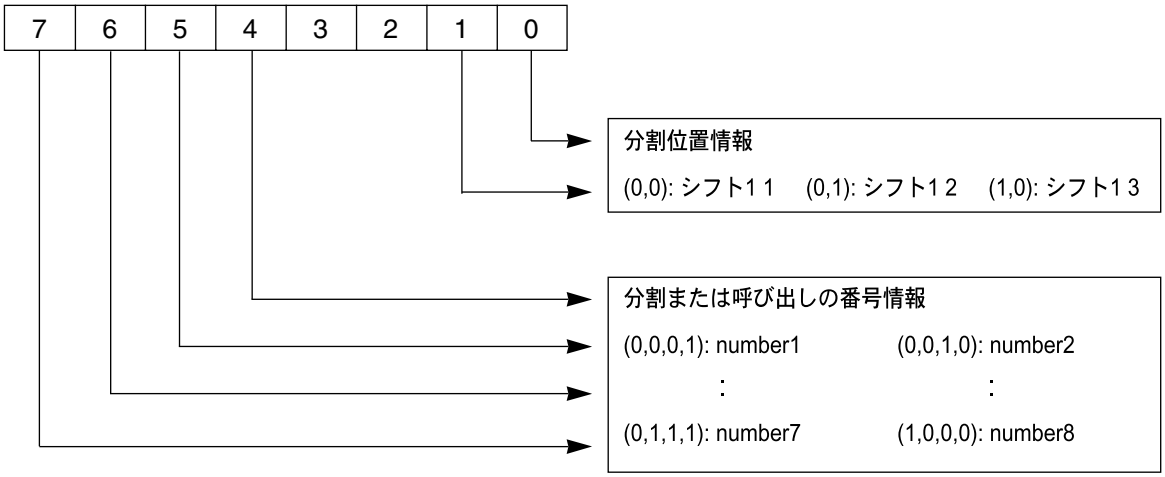
- MSB 8bit



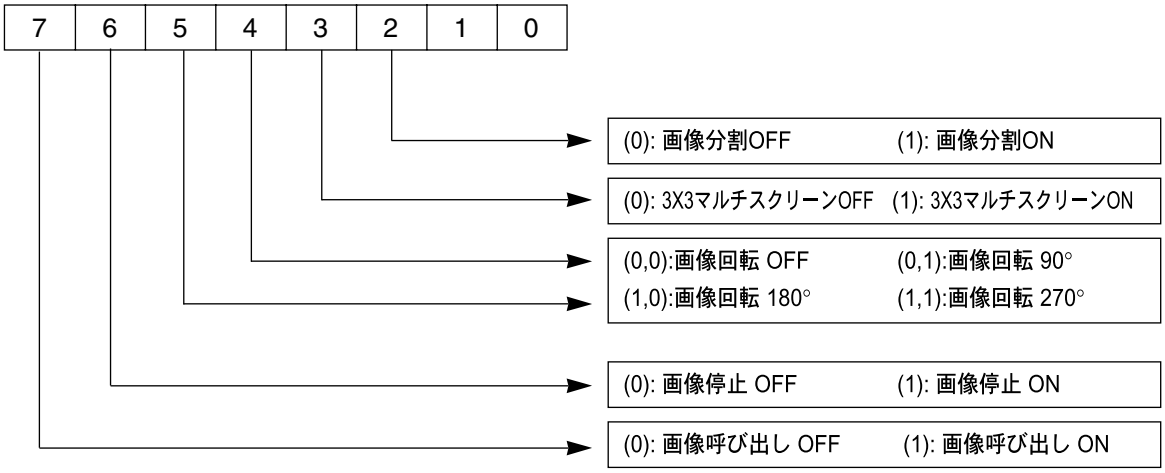
RS232Cコマンドコード（UF-80）

■ Set-Status(Digital) コマンドによる状態ビット定義

- LSB 8bit



- MSB 8bit



Memo

SAMSUNG TECHWIN CO., LTD

■ **HEAD OFFICE: SAMSUNG TECHWIN CO., LTD**
145-3 Sangdaewon 1-Dong, Jungwon-Gu, Sungnam,
Kyungki-Do,Korea 462-703
TEL : 82-31-740-8137~8141
FAX : 82-31-740-8145

■ **U.S.A OFFICE: SAMSUNG OPTO-ELECTRONICS AMERICA, INC.**
40 Seaview Drive, Secaucus N.J.07094, U.S.A
TEL : 201-902-0347
FAX : 201-902-9342

■ **SAMSUNG TECHWIN MOSCOW OFFICE**
LENNINGRADSKY PR-KT, 37-A. KORP.14
RUSSIA, 125167, MOSCOW
TEL: +7-095-258-9296, 9298 FAX: +7-095-258-9297

■ **SAMSUNG OPTO-ELECTRONICS UK LTD (SOUK)**
Samsung House,1000 Hillswood Drive Hillswood Business
Park Chertsey Surrey KT16OPS
TEL :44-(0)1932-45-5308 FAX :44-(0)1932-45-5325

■ **TIANJIN SAMSUNG OPTO-ELECTRONICS CO.,LTD (TSOE)**
7 Pingchang Rd,Nankai Dist,Tianjin,P.R China
Post Code :300190
TEL :86-22-2761-9698 FAX :86-22-2761-6514